



Rotational and Rovibrational Spectroscopy of the v8=1 and 2 Vibrational States of CH3NC

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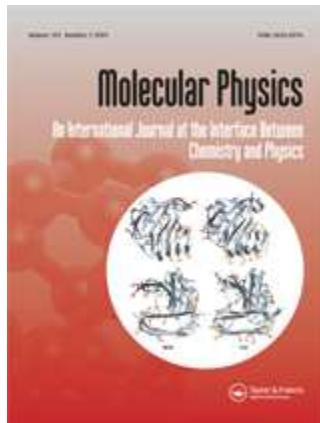
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**Rotational and Rovibrational Spectroscopy of the v8=1 and
2 Vibrational States of CH3NC**

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2 | **Rotational and Rovibrational Spectroscopy of the v₈=1 and 2 Vibrational**
3 | **States of CH₃NC**

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32 Dedicated to Prof. Gianfranco DiLonardo in recognition of his many valuable contributions to
33 molecular spectroscopy
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1
2 **Abstract**
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6 The lowest frequency vibration-rotation band ν_8 , corresponding to the degenerate CNC
7 bending vibration of methyl isocyanide (CH_3NC) with band center at 267.3 cm^{-1} , was studied
8 by FTIR spectroscopy between 215 and 320 cm^{-1} and rotational spectroscopy in the range
9 from 201 to 383 GHz in order to describe the vibration-rotation dynamics with inclusion of all
10 important anharmonic and vibration-rotation interactions. Assignments extended to higher- K
11 rotational states in both vibration-rotation and rotational spectra reveal a resonance crossing
12 with the $\nu_8 = 2$ overtone level due to a local anharmonic Fermi resonance. The simultaneous
13 analysis of both types of data provides a fully quantitative reproduction of the experimental
14 data as well as a preliminary characterization of the $\nu_8 = 2$ level. The parallel component of
15 the overtone band $2\nu_8^0$ with band center at 524.6 cm^{-1} was assigned for the first time from
16 spectra in the region from 480 to 585 cm^{-1} together with the hot bands $2\nu_8 - \nu_8$ in the region
17 of the fundamental band.
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Keywords: methyl isocyanide; high-resolution FTIR spectroscopy; submillimeter wave
spectroscopy; anharmonic and vibration-rotation resonances

1 2 1. Introduction 3

4 A systematic investigation of high-resolution rovibrational spectra of methyl isocyanide
5 (CH_3NC) was initiated in the 1990's by Plíva and coworkers with the aim of providing a more
6 detailed spectroscopic background for the quantitative understanding of the rovibrational
7 structure in the context of the problem of monomolecular isomerization of CH_3NC to CH_3CN .
8

9 This reaction has been a subject of many kinetic investigations [1,2] because it demonstrated a
10 substantial disagreement with the statistical behaviour (Rice-Ramsperger-Kassel-Marcus
11 theory) for unimolecular reactions [3]. In their studies, Plíva and coworkers analyzed all
12 fundamental vibrational levels [4-7] and determined the axial rotational constant A_0 and
13 centrifugal distortion constant D_K^0 applying the method of combination loops to the v_7+v_8
14 combination band and the $(v_7+v_8)-v_8$ hot band [8]. Their scheduled studies of the series of
15 vibrational levels $v_8 = 1, 2, \dots$ corresponding to the bending mode of the CNC chain,
16 however, have not continued after the analysis of the fundamental level $v_8 = 1$ [8]. This may
17 be explained by the problems which are unavoidably encountered in studies of this low-
18 frequency mode, as observed for example in the structurally similar molecule CH_3CCH [9-
19 13]. The strongly prolate structure of such molecules with a large value of $A - B \approx 5 \text{ cm}^{-1}$
20 makes the intensities of transitions rapidly vanish with the growing value of K . These high-*K*
21 rotational levels are at the same time those for which the onset of strong local anharmonic
22 (Fermi) resonances occurs. As a result, it becomes difficult to describe these vibrational levels
23 as isolated ones because of the impaired convergence of the corresponding effective
24 Hamiltonians when higher rotational states are studied. It is necessary to use a global
25 treatment from the lowest vibrational levels which has been previously applied only to
26 CH_3CCH but not to CH_3CN [14,15] and CH_3NC .
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28 A series of microwave investigations of the lowest vibrational levels was undertaken
29 even earlier in the 1970's. These studies covered the vibrational ground state [16], the lowest
30 excited vibrational levels $v_8 = 1-4$ [17-19], and the fundamental level $v_4 = 1$ [20]. All these
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1 studies were also confined only to the lower- K rotational states because of the limited
2 frequency range of microwave measurements.
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4 Therefore the aim of the present investigations is to describe ~~quantitatively~~ these
5 anharmonic resonances in the CH₃NC molecule which are obviously crucial for understanding
6 the intramolecular vibrational redistribution of energy that plays an important role in the
7 mentioned kinetic studies. We have prepared ground for them by a reinvestigation of the
8 vibrational ground state of CH₃NC with a significant extension of the range of rotational
9 states up to $K=14$ [21]. Because the new rotational data were supplemented with ground state
10 combination differences generated from the fundamental v_4 band, the $v_4=1$ level was also
11 subject to a refined analysis.
12

13 In the present paper we present a new analysis of the fundamental level $v_8=1$ based on
14 the newly measured FTIR spectra of the v_8 band and rotational spectra measured in this
15 excited vibrational state, which both cross the region of the local Fermi resonance ($K=9$ and
16 10) and reach up to $K=16$ in the $v_8=1$ level. The combination of both types of data has been
17 found extremely effective in the search for the exact position of the resonance which will be
18 described in more detail in further sections. The current analysis provides also a preliminary
19 characterization of the $v_8=2$ level involved in the Fermi resonance.
20

2. Experimental Details

21 The synthesis procedure of CH₃NC and the details of rotational measurements with the
22 Prague High Resolution Microvawe Spectrometer [22] were described in the previous study
23 [21]. The frequency range was extended up to 385 GHz in the present study by using a new
24 set of semiconductor frequency multipliers and amplifiers. The optical path length of
25 a conventional 280 cm long glass cell was doubled using a roof top mirror and THz polarizer
26 from TYDEX (www.tydex.ru) to increase sensitivity. The pressure of the sample was varied
27 according to transition intensities between 1.1 and 1.9 Pa and measured with a capacitance
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2 gauge (Leybold) with relative uncertainty of about 5%. The uncertainty of measurements is
3 estimated to be better than 20 kHz for isolated lines with good signal-to-noise ratio.
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6 The infrared experimental work was performed by using the Bruker IFS 120 HR Fourier
7 transform spectrometer in the Infrared Laboratory at the University of Oulu. The CH₃NC
8 sample was purified with cold traps before evaporating it into a White cell [23], which was
9 provided with 60 μm thick polypropylene windows. The instrument was equipped with a
10 Globar source and a multilayer Mylar beamsplitter made by Bruker Inc. Infrared radiation
11 was detected with a He cooled Si bolometer operating at 1.4-1.8 K. Two series of registration
12 were performed in different conditions. The absorption path lengths were 57.6 and 163.2 m
13 and the sample pressures 72.4 and 147.4 Pa (spectra A and B), respectively. With suitable
14 velocities for the detector 111 and 279 scans were performed in these measurements giving
15 the total registration times 33.7 and 42.8 hours, respectively. An overview of the regions of
16 the v₈ and 2v₈ bands is shown in Figure 1. During the measurements the sample gas was kept
17 at room temperature. The spectra were calibrated with peaks of residual H₂O [24] in the
18 region of the fundamental v₈ band and also CO₂ in the region of the v₈ overtone band [23b].
19 The spectral resolution for small well-separated lines was better than 0.0013 cm⁻¹ and 0.0023
20 cm⁻¹ in the regions of the v₈ and 2v₈ bands, respectively. The pressure shifts in these spectra
21 have been estimated to be within the estimated accuracy of the FTIR measurements [25,26].
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40 3. Results and Discussion

41 In spite that the first vibration-rotation study of the degenerate fundamental vibrational
42 level v₈ = 1 provided the basic characteristics from which the occurrence of the localized
43 Fermi resonance with the overtone level v₈ = 2 could have been inferred, its effect remained
44 neglected. The reason consists probably in difficulties of experimental observation of
45 transitions to the rotational levels perturbed by this resonance. The absorption intensities in
46 the fundamental band v₈ decrease rapidly with the growing K rotational quantum number due
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1 to the large value of $A - B \approx 4.9 \text{ cm}^{-1}$ and the patterns of the weaker line series are thus
2 hidden among the stronger lines of the fundamental v_8 band and also the accompanying hot
3 bands $2v_8-v_8$ and $3v_8-2v_8$. This perhaps explains why the previous IR analysis [8] did not
4 reach these perturbed levels. The details of the rotational structures of the $v_8 = 1$ and 2 levels
5 around the resonant crossing and the accompanying vibration-rotation interactions are shown
6 in Figure 2. It also illustrates another typical feature of the rotational levels in $v_8 = 1, 2, \dots$
7 caused by the accidentally small value of the combination of constants $2(A - B - A\zeta)_8 \approx 0.08$
8 cm^{-1} . This makes the pairs of levels $v_8^{l_8} = 1^{-1}, K - 1 / v_8^{l_8} = 1^{+1}, K + 1$, which are coupled by the
9 q_{22} l -type resonance, systematically near-degenerate. The same effect couples the chains of
10 levels $v_8^{l_8} = 2^{-2}, K - 2 / v_8^{l_8} = 2^0, K / v_8^{l_8} = 2^{+2}, K + 2$ and also $v_8^{l_8} = 3^{-3}, K - 3 / v_8^{l_8} = 3^{-1}, K - 1 /$
11 $v_8^{l_8} = 3^{+1}, K + 1 / v_8^{l_8} = 3^{+3}, K + 3$. Such coincidence was, however, found useful in assigning
12 transitions perturbed by the Fermi resonance.

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Because the propagation of assignments in the v_8 band across the resonant region was unmanageable in the stand-alone IR spectrum, we applied the strategy used before for the propyne (CH_3CCH) molecule [9-12]. We first searched for higher- K transitions in the $l_8=+1$ sublevel of $v_8 = 1$, having now access to the levels with $K \geq 12$ in rotational spectra extended to the region of 380 GHz, which corresponds to $J \leq 18$. We could also assign the corresponding weaker branches ${}^1\text{R}_K$ and ${}^1\text{P}_K$ with K up to 15 in the FTIR spectra, with the lower state combination difference (LSCD) verification of assignments. Although these levels are not directly perturbed by the Fermi resonance, the q_{22} l -type resonance makes the levels $K=11$ and 12 of the $l_8=+1$ sub levels sensitive to the Fermi resonance affecting $K=9$ and 10 of the $l_8=-1$ sublevel. This enabled estimating the value of the Fermi coupling term in the preliminary fits with its value kept constrained and changed stepwise. The progressively improved predictions of rotational transition frequencies with $K \geq 12$ in the $l_8=-1$ sublevel facilitated the search for them, of course at the price of recording wider frequency scans. With

a consistent, but still not quantitative fit of these rotational data we finally succeeded in finding the ${}^P P_{12}$ and ${}^P R_{12}$ branches in the FTIR spectra, start fitting the Fermi coupling term and finally assigning the resonant transitions for $K=9$ and 10 in the $l_8=-1$ sublevel, both in the rotational and FTIR spectra.

This procedure would be difficult or even impossible without the simultaneous preliminary analysis of the $v_8 = 2$ level. The beginning of assignments of the IR spectrum was strongly facilitated by the available low- J rotational frequencies [17]. We first assigned the parallel band $2v_8^0$ which is the strongest feature in the overtone region around 525 cm^{-1} .

Along with assignments of the overtone band we assigned also the $2v_8^0 - v_8$ hot band. Like in

the case of the $v_8 = 1$ level, we were not able to propagate assignments to the levels of the Fermi resonance with $v_8 = 3^{+3}$ occurring for $K=10$ and 11 (cf. Figure 2) and beyond. We also

assigned transitions to the degenerate sublevel (E symmetry) from the hot band $2v_8^2 - v_8$ in

the FTIR spectrum. The branches ${}^R R_8$ and ${}^R R_9$ of the hot band $2v_8^{+2} - v_8^{+1}$ pertaining to the

levels in Fermi resonance $K=9$ and 10 were in fact assigned before the assignments of the

perturbed branches ${}^P P_{10}$ and ${}^P P_{11}$ were accomplished in the fundamental band v_8 , because the

former are stronger and provide clearer series in the Loomis-Wood diagrams. The effect of

the Fermi resonance on switching the positions of the ${}^R R_8$ and ${}^R R_9$ branches of the hot band is

illustrated in Figure 3 with the Loomis-Wood plot from the Loomis-Wood for Windows

(LWW) program [27]. The ${}^R R_8$ branch represents transitions to the $K=9$ levels of $v_8 = 2^{+2}$

which is above those of $v_8 = 1^{-1}$ (cf. figure 2) and thus is shifted towards higher wavenumbers.

The relative positions of the levels in resonance are interchanged for $K=10$, which puts the ${}^R R_9$

branch of the hot band below ${}^R R_8$. Since there were several concurrent series in the close

neighborhood of these two critical branches, their assignment was an iterative trial-and-error

procedure rather than a straightforward matter. This was also because in the earlier stages of

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2 the analysis the fit of the lower state involved in the hot band was not yet strictly quantitative
3 and the lower state combination difference checking in the LWW program was thus not
4 convincing. The attempts to estimate the Fermi coupling term led to a wide variation of its
5 value between 0.5 and 0.8 cm⁻¹ and the final value was established only with the assistance of
6
7 the simultaneous submillimeter wave (SMMW) measurements of rotational transitions in both
8 vibrational states and finding consistent IR and SMMW assignments, first for less perturbed
9 states $K \geq 11$ and finally for the two resonant cases of $K=9$ and 10.
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15 The analysis of the $v_8 = 1$ and 2 levels relies mostly on the assignments in the P and R
16 branches of the fundamental and hot bands, which provide clear patterns in the Loomis-Wood
17 diagrams. The Q branches of all perpendicular bands of the CNC bending mode are, on the
18 other hand, quite congested and resemble rather parallel bands. This is a consequence of the
19 mentioned smallness of $2(A - B - A\zeta)_8 \approx 0.08$ cm⁻¹ which determines the distance between
20 adjacent ^{pr}Q branches as shown in Figure 4. This leads to frequent overlaps of lines in the Q-
21 branch region and makes them in most cases useless for LSCD checking.
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30 The prominent role of the Fermi resonance also explains why we have not succeeded so
31 far with assigning neither the vibrational-rotational IR nor the rotational SMMW transitions to
32 the levels in Fermi resonance, $K=10$ and 11 in $v_8 = 2^0$ and $K=8$ and 9 in $v_8 = 2^2$ and beyond.
33 At the present stage of the analysis, we have extended the assignments just below these Fermi
34 crossings. A fully quantitative analysis of all sublevels of the overtone level $v_8 = 2$ will
35 require extending the assignments to the $v_8 = 3$ level beyond the resonant crossings and
36 determining a precise value of the Fermi coupling term by a similar procedure as described
37 above.
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45 The least-squares fit was performed with the standard effective Hamiltonian of
46 degenerate vibrational levels including the q_{22} l -type resonance, the Fermi coupling terms, and
47 the α -resonance ($\Delta k = \pm 2$, $\Delta l = \mp 1$). The last interaction needed to be included in order to
48 remove the remaining residuals of data corresponding to levels in the neighborhood of the
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Fermi resonance. The definition of the matrix elements is given in the Appendix. The statistical weights of experimental data in the least-squares fits were taken as proportional to the inverse squares of their estimated experimental uncertainties. Overlapped IR lines were given higher uncertainties based on the extent of discrepancy with the LSCD checks. We merged the IR data from the two spectra in the following way. The lower- J transitions were in general taken from the weaker spectrum A, while spectrum B, saturated in the central part of the bands, was used for extending assignments towards higher J and K values. We have assigned over 2700 transitions in the fundamental band, over 1200 transitions in the parallel overtone band $2\nu_8^0$, and over 900 transitions in each of the still incomplete hot bands $2\nu_8^0 - \nu_8$ and $2\nu_8^2 - \nu_8$. The new rotational transitions in vibrational levels $\nu_8 = 1^{\pm 1}$, 2^0 , and $2^{\pm 2}$ were measured for $J = 9$, 14, and 18 in the region between 201 and 385 GHz. We have also recorded rotational spectra for $J = 6$ in the region around 140 GHz to compare with the previous measurements [17] and found a remarkable consistency.

The fitted parameters of the effective Hamiltonian of the levels $\nu_8 = 1$ and 2 are given in Table 1 together with an overview of range of maximum J and K values of assigned transitions and standard deviations of reproduction. The details of the data reproduction have been deposited with the British Library under the Supplementary Publication scheme and are also available in electronic form upon request from one of the authors (P.P.). The parameters of the vibrational ground state were taken from the previous study [21] and kept fixed in this work. The centrifugal distortion parameters of the $\nu_8 = 1$ level lie close to the ground state values which confirms that no significant interactions were neglected in its analysis. The only exceptions are the sextic constants H_J and H_K which are rather effective fitting parameters. They could not be, however, kept fixed to the ground state value because of significant deterioration of the fit of rotational data in such case. It should be also noted that the rotational constant B and the quartic centrifugal distortion constants D_J and D_{JK} from the

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1 previous MW work [17] are closer to the present ones than those from the earlier IR study [8].
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4 A similar agreement was observed also in the $v_8 = 2$ level. Its sextic centrifugal distortion
5 ~~constants~~ are on the contrary quite far from the ground state ones. They cannot be constrained
6 to the ground state values for the same reason as above and have to be accepted as effective
7 fitting parameters at the present stage of the analysis.
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14 4. Conclusion

15 We have investigated the lowest vibrational levels $v_8 = 1$ and 2 corresponding to the
16 CNC bending vibration of methyl isocyanide from its vibrational-rotational FTIR and
17 SMMW rotational spectra. We extended significantly assignments in the fundamental v_8 band
18 across the region of the Fermi resonance between the levels $v_8 = 1^{-1}$ and 2^{+2} and assigned for
19 the first time the overtone and hot bands to the $v_8 = 2^0$ and $2^{\pm 2}$ vibrational levels. The
20 vibrational-rotational data were analyzed simultaneously with the newly measured SMMW
21 rotational data whose assignments were also extended over the region of the Fermi resonance.
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24 The reproduction of data is quantitative for the ~~whole vibrational level~~ $v_8 = 1^{\pm 1}$ and the
25 sublevel $v_8 = 2^{+2}$. The analysis of the sublevels $v_8 = 2^0$ and $v_8 = 2^{-2}$ provides preliminary results
26 and the quantitative fit of the data will require exploring the vibrational state $v_8 = 3$ and its
27 crossings with $v_8 = 2$ which will be the subject of a forthcoming paper.
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2 **Appendix. Definition of matrix elements of the effective vibration-rotation Hamiltonian**
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4 The diagonal matrix elements up to octic terms were taken in the form
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$$6 \quad E_{vr}^0(J, k, l) = E_v + B_v J(J+1) + (A_v - B_v) K^2 - D_J^v J^2 (J+1)^2 - D_{JK}^v J(J+1) K^2 - D_K^v K^4 + \\ 7 \quad + H_J^v J^3 (J+1)^3 + H_{JK}^v J^2 (J+1)^2 K^2 + H_{KJ}^v J(J+1) K^4 + H_K^v K^6 + \\ 8 \quad + L_J^v J^4 (J+1)^4 + L_{JK}^v J^3 (J+1)^3 K^2 + L_{JK}^v J^2 (J+1)^2 K^4 + L_{JKK}^v J(J+1) K^6 + L_K^v K^8 + \\ 9 \quad + \left[-2A\zeta_v + \eta_J^v J(J+1) + \eta_K^v K^2 + \tau_J^v J^2 (J+1)^2 + \tau_{JK}^v J(J+1) K^2 + \tau_K^v K^4 \right] K l . \quad (A1)$$

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Obviously, the fourth line of equation (A1) vanishes for the non-degenerate vibrational

ground $v_8 = 2^0$ states. For the definition of Hamiltonian off-diagonal matrix elements, it is more appropriate to use the signed quantum number k ($K=|k|$), because they can in general connect rotational states with different signs of k . The general form of the q_{22} l -type operator

has the matrix elements

$$\begin{aligned} & \langle v_i^{l\pm 2}; J, k \pm 2 | \mathbf{H}_{22} + \mathbf{H}_{24} + \mathbf{H}_{26} | v_i^l; J, k \rangle = \left[(v_i \mp l_i)(v_i \pm l_i + 2) \right]^{1/2} \times \\ & \times \left\{ q_{22} + f_{22}^J J(J+1) + f_{22}^K \left[k^2 + (k \pm 2)^2 \right] + \right. \\ & \left. \left. f_{22}^{JJ} J^2 (J+1)^2 + f_{22}^{IK} J(J+1) \left[k^2 + (k \pm 2)^2 \right] + f_{22}^{KK} \left[k^4 + (k \pm 2)^4 \right] \right\} F_2^\pm(J, k) \end{aligned} \quad (A2)$$

The effects of the other vibration-rotation interactions within the studied vibrational level were neglected and are assumed to be absorbed into the effective values of the vibrationally diagonal parameters [28, 29]. The Fermi interaction between the $v_8 = 1$ and $v_8 = 2$ levels was described by the matrix element

$$\langle v_8 = 1^{\pm 1}, J, k | \mathbf{H}_{30} + \mathbf{H}_{32} | v_8 = 2^{\mp 2}, J, k \rangle = W_{12} + W_{12}^J J(J+1) + W_{12}^K k^2 \quad (A3)$$

The matrix elements of the α -type resonance were taken in the form

$$\langle v_8 = 1^{\pm 1}, J, k \pm 2 | \mathbf{H}_{22} | v_8 = 2^{\pm 2}, J, k \rangle = 1/\left(2\sqrt{2}\right) \alpha_{8-88}^{BB} F_2^\pm(J, k) \quad (A4)$$

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2 The notation of the matrix elements of rotational shifting operators was taken conventionally
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6 $F_n^\pm(J, k) = \prod_{i=1}^n [J(J+1) - (k \pm i \mp 1)(k \pm i)]^{1/2}$ (A5)
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Captions to figures

Figure 1. Overview of the FTIR spectra in the regions of the ν_8 and $2\nu_8$ bands of CH_3NC .

The spectra A and B were recorded at pressures of 72.4 and 147.4 Pa and pathlengths 57.6 and 163.2 m, respectively.

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Figure 2. The K -dependent part of the energy terms $E = E_{vib} + (A - B)K^2 \mp 2A\zeta Kl$ of the

$\nu_8 = 1, 2$, and 3 vibrational levels of CH_3NC . The local Fermi resonances are indicated by

ellipses, the global q_{22} l -type resonances by dashed lines, and the α -resonance by dotted lines.

For further details see text. The upper bounds of rotational states in the previous IR and MW studies are shown by dot-and-dashed lines.

Figure 3. The Loomis-Wood diagram of the LWW program (lower frame) with the ${}^{\text{r}}\text{R}_K$

branches of the fundamental ν_8^{+1} and hot $2\nu_8^{+2} - \nu_8^{+1}$ bands of CH_3NC . The regular spacing

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of the ${}^{\text{r}}\text{R}$ branches, corresponding to $2(A - B - A\zeta) \approx 0.08 \text{ cm}^{-1}$, is distorted at the Fermi

resonance crossing and inverts the positions of the ${}^{\text{r}}\text{R}_8$ and ${}^{\text{r}}\text{R}_9$ branches in the hot band. The

section of the IR spectrum corresponding to the „line“ in the frame in the Loomis-Wood

diagram (transitions $J=14 \leftarrow 13$) is shown in the upper frame.

Figure 4. The Q-branch region of the fundamental ν_8 band and the hot bands $2\nu_8 - \nu_8$ of

CH_3NC . The heads of individual Q-branches are indicated by dots, the larger ones for $K - l = 3n$.

The two branches ${}^{\text{P}}\text{Q}_{10}$ and ${}^{\text{P}}\text{Q}_{11}$ of the ν_8 band, affected by the local Fermi

resonance, are apparently moved from the otherwise regular positions. The Q-branches of all

bands are blue degraded due to the difference of rotational constants $B' - B'' > 0$, (Spectrum A)

recorded at pressure of 72.4 Pa and pathlength 57.6 m).

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Caption to table

Table 1. Energies, rotational, and centrifugal distortion parameters ^a (in cm⁻¹ units) of the vibrational states v₈ = 1 and 2 of CH₃NC and their interaction terms.

Parameter	Present work	$v_8 = 1$		$v_8 = 2^{\pm 2}$		$v_8 = 2^0$	
		IR ^b	MW ^c	Present work	MW ^c	Present work	MW ^c
E	267.319414 (11)	267.3173 (1)		545.295387 (20)	20.259 ^d	524.633133 (15)	
A	5.24725371 (62)	5.2472237 (77)		5.2461394 (17)		5.2481718 (15)	
B	0.3366313467 (62)	0.33662748 (1)	0.3366314	0.337899924 (9)	0.3378556	0.337942990 (13)	0.3379431
$D_J \times 10^7$	1.629558 (58)	1.91921 (105)	1.64	1.695440 (99)	1.71	1.696839 (127)	1.71
$D_{JK} \times 10^6$	7.592406 (149)	7.45032 (41)	7.575	7.59672 (47)	7.582	7.64033 (75)	7.582
$D_K \times 10^5$	8.55562 (76)	8.5748 (5)		8.4745 (38)		8.2815 (42)	
$H_J \times 10^{14}$	0.458 (109)			-2.7357 ^d		-2.7357 ^d	
$H_{JK} \times 10^{11}$	7.8727 (28)			3.0044 (270)		13.3783 (210)	
$H_{KJ} \times 10^{10}$	2.0337 (75)			1.5419 (39)		11.7281 (826)	
$H_K \times 10^{10}$	0.421 (232)			-2.464 (182)		-4.867 (34)	
$L_J \times 10^{18}$	1.82 ^e			1.82 ^e		1.82 ^e	
$L_{JK} \times 10^{16}$	-9.71 ^e			-9.71 ^e		-9.71 ^e	
$A\zeta$	4.8702548 (13)	4.870139 (1)	4.772	4.8720353 (14)	4.772		
$\eta_J \times 10^4$	0.196017 (10)	0.19116 (2)	0.1967	0.196080 (9)	0.1967		
$\eta_K \times 10^4$	3.37847 (33)	3.4199 (5)		3.36375 (64)			
$\tau_J \times 10^9$	-0.23476 (45)						
$\tau_{JK} \times 10^9$	-1.4869 (67)						
$q_{22} \times 10^4$	2.315153 (41)	2.30826 (5)	2.314	2.324442 (25)	2.316		
$q_{22}^J \times 10^9$	-1.4399 (33)			-1.4605 (15)			
$q_{22}^{JJ} \times 10^{14}$	1.058 (59)						
W_{12}				0.79415 (22)			
$W_{12}^J \times 10^6$				-7.694 (63)			
$\alpha_{8-88}^{BB} \times 10^5$				1.267 (34)			
Range of J, K^f	85,9 / 18,16	na,9 / -	- / 6,6	55,12/ 18,15	- / 6,6	70,9 / 18,9	- / 6,6
No. of data^{f,g}	2705 / 96	478 / -	- / 55	966 / 42, 28 ^h	- / 52	2135 / 36	- / 27
St. deviation^{f,g}	0.14 / 24	0.28 / -	- / na	0.28 / 71, 191 ^h	- / na	0.23 / 96	- / na

1 ^a Numbers in parentheses are one standard deviation in units of the last digit quoted.
2 ^b Ref. [8]. ^c Ref. [17].

3 ^d $E(v_8 = 2^{\pm 2}) - E(v_8 = 2^0)$

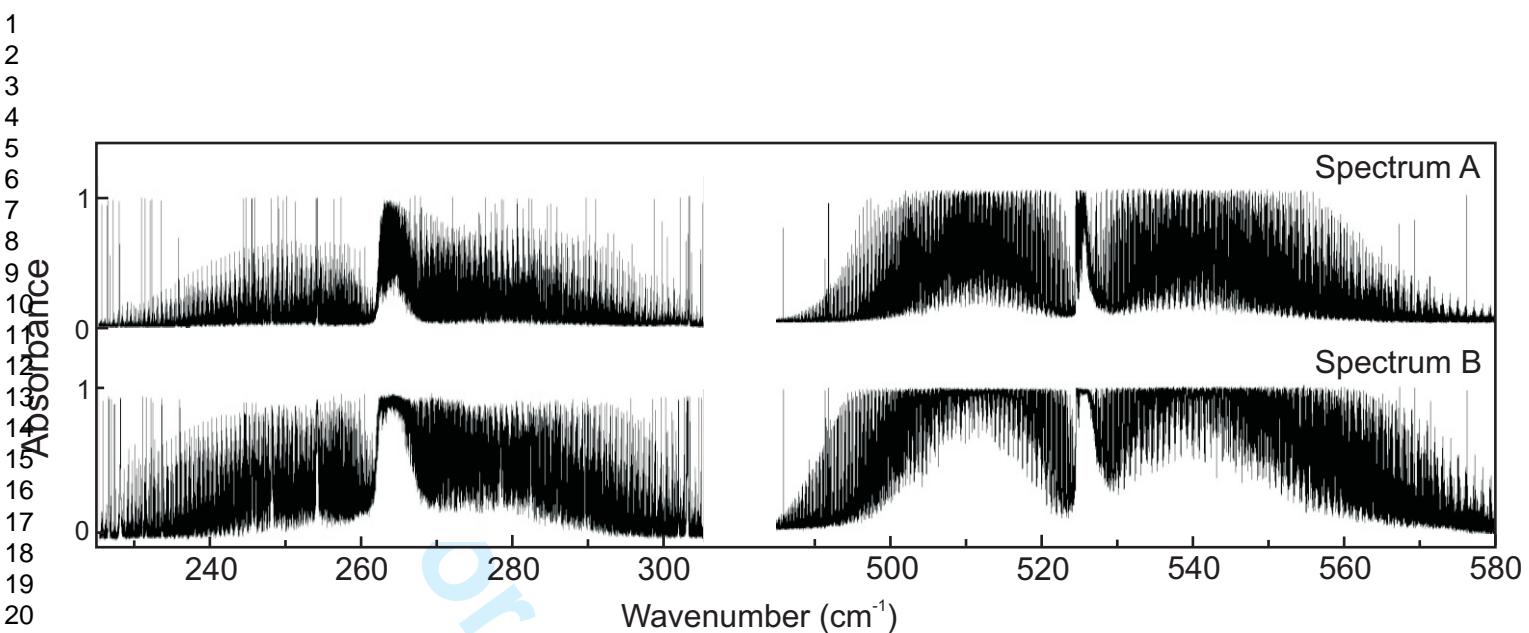
4 ^e Constrained to the ground state value. ^f Rovibrational / rotational data.

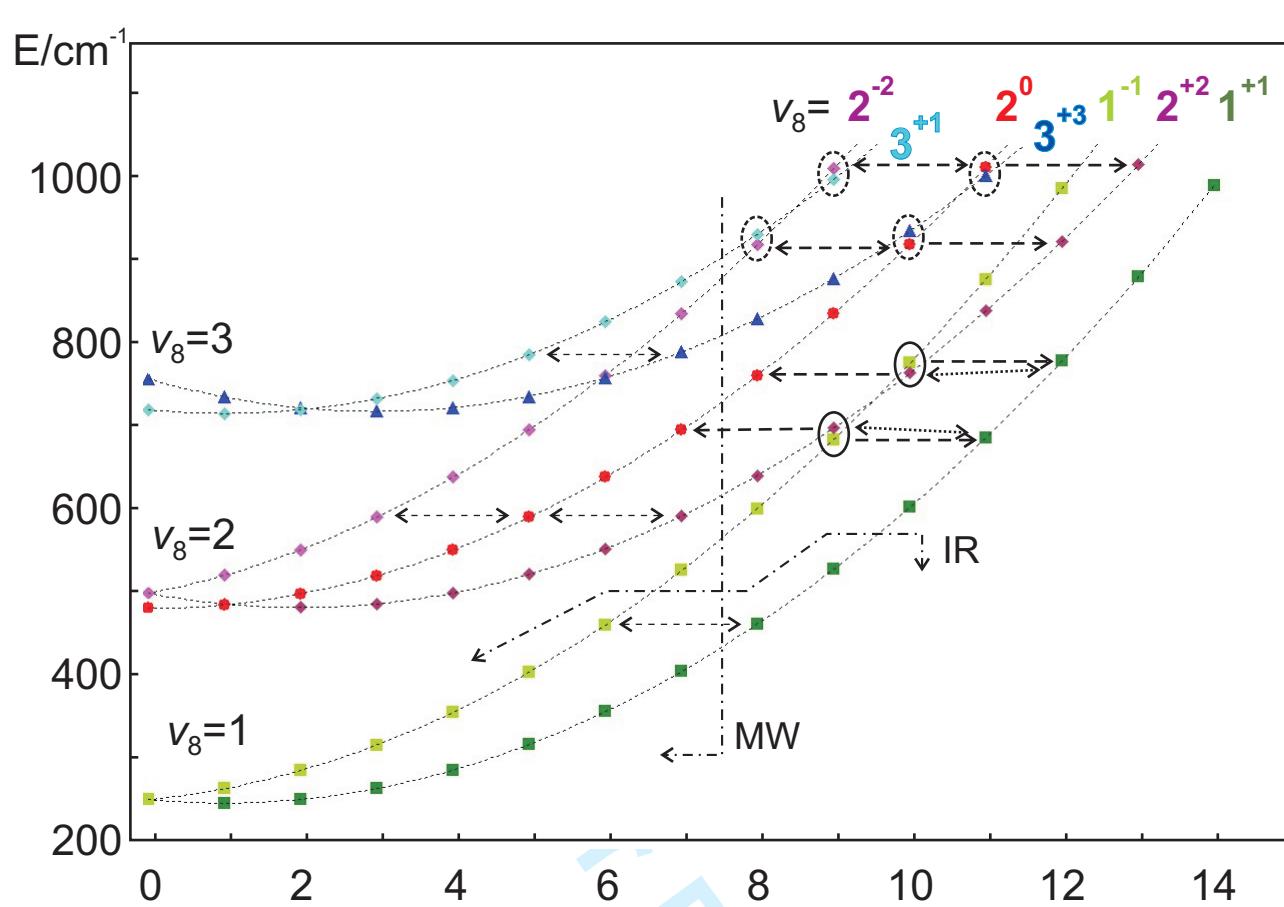
5 ^g 10^{-3} cm⁻¹ / kHz units

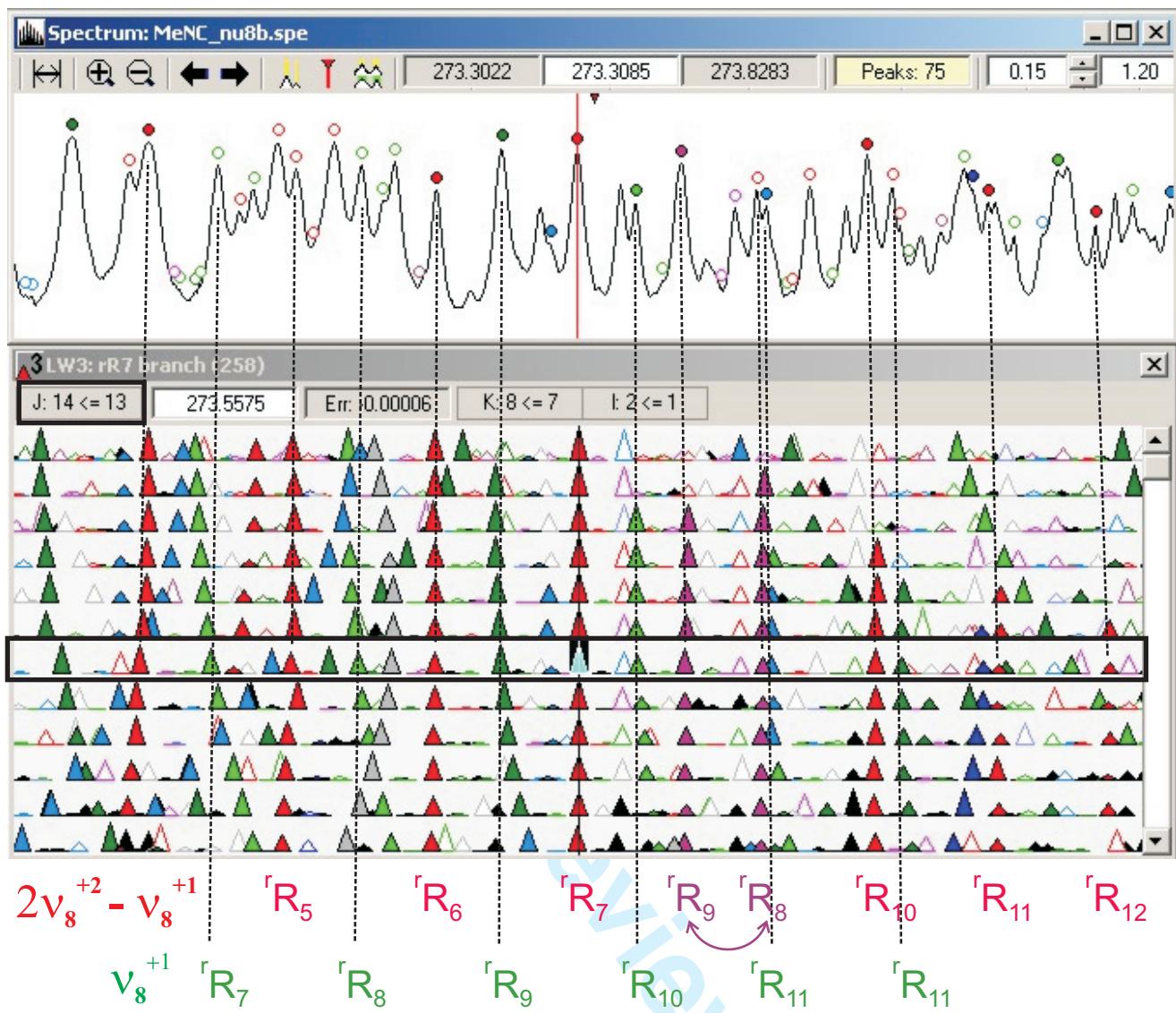
6 ^h $l=+2$ and -2 , respectively..

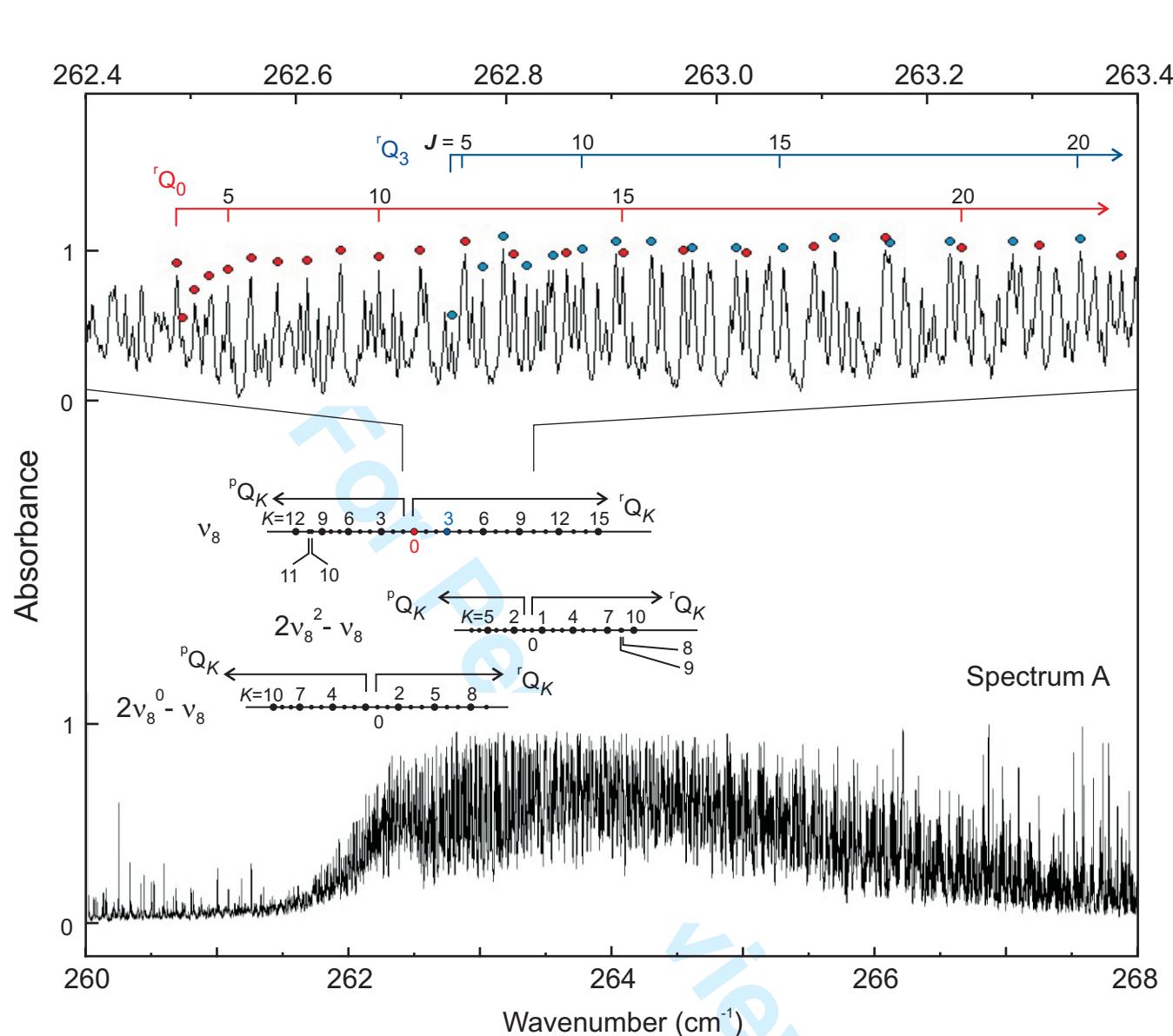
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3 Supplementary material to the paper
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6 Rotational and Rovibrational Spectroscopy of the v8=1 and 2
7 Vibrational States of CH3NC
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10 by
11 Petr Pracna, Jiøí Urban, Ondøej Votava, Zuzana Meltzerová, Štipán Urban,
12 and Veli-Matti Horneman

13 File # 1 - rovibrational transition wavenumbers of the nu4 band
14 spectrum A data # 1-1769
15 spectrum B 1770-2705

16 File # 2 - rovibrational transition wavenumbers of the overtone band v8=2(0)
17

18 File # 3 - rovibrational transition wavenumbers of the hot band v8=2(0)<- 1(±1)
19

20 File # 4 - rovibrational transition wavenumbers of the hot band v8=2(±2)< 1(±1)
21

22 File # 5 - rotational transitions in the vibrational state v8=1
23

24 File # 6 - rotational transitions in the vibrational state v8=2(+2)
25

26 File # 7 - rotational transitions in the vibrational state v8=2(-2)
27

28 File # 8 - rotational transitions in the vibrational state v8=2(0)
29

30 File # 9 - rotational transitions in the vibrational state v8=1 (Ref. [16])
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32 File #10 - rotational transitions in the vibrational state v8=2 (Ref. [16])
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34 Format of the data output
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36 Columns 1-3 : the spectroscopic label of a transition, i.e.
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38 Column 1 : branch : o/p/q/r/s/t corresponding to delta_K = -2/-1/0/+1/+2/+3
39 P,Q,R corresponding to delta_J=-1/0/+1

40 Column 2-3 : Quantum numbers J,K of the lower state
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42 Column 4 : experimental frequency (in cm-1/MHz units)
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44 Column 5 : difference observed - calculated (in cm-1/MHz units)
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46 Column 6 : experimental uncertainty (in cm-1/MHz units)
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48 Semigraphical representaion of residuals (obs-calc) in units indicated in the
49 header line for each data file. When the limit value is set e.g.to 0.2 MHz
50 like for the file GS_fin.fre) the marker of the residual is positioned
51 on the left edge of the semigraphical strip when obs-calc <= - 0.2 MHz
52 and
53 on the right edge of the semigraphical strip when obs-calc >= + 0.2 MHz.
54

55 The position of the marker between the center and the edge of the
56 semigraphical strip is proportional otherwise. The marker is placed, for example,
57 on the center line when |obs-calc| < 0.1 / 10 (which is 0.020 MHz in the
58 current example).
59

60 The character of the marker depends on the ratio residual/uncertainty
61 v : residual =< uncertainty
62 x : residual =< uncertainty * 2
63 * : residual > uncertainty * 2
64 - : experimental value removed from the fit (given zero weight), mostly for
65 overlapped lines
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4 Final reproduction of data
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No.	Branch	I	Obs.	Obs-calc	Unc
-----+----0----+----					
10	File # 1 nu8.wn	No. data : 2705	.00200 cm-1 ->	-----+----0----+----	
11	1 pP 1 1 0	261.734913	.000228	.000500	. .v . .
12	2 pP 2 1 0	261.066408	-.000262	.000200	. x. . .
13	3 pP 3 1 0	260.401141	-.000111	.000200	. v. . .
14	4 pP 4 1 0	259.738269	-.000104	.000200	. v. . .
15	5 pP 5 1 0	259.077845	-.000096	.000200	. v . . .
16	6 pP 6 1 0	258.419938	.000099	.000200	. v . . .
17	7 pP 7 1 0	257.763854	-.000069	.000200	. v . . .
18	8 pP 8 1 0	257.109975	-.000061	.000200	. v . . .
19	9 pP 9 1 0	256.457895	-.000118	.000200	. v . . .
20	10 pP 10 1 0	255.807615	-.000085	.000200	. v . . .
21	11 pP 11 1 0	255.158915	-.000048	.000200	. v . . .
22	12 pP 12 1 0	254.511594	-.000105	.000200	. v. . .
23	13 pP 13 1 0	253.865947	.000105	.000200	. .v . .
24	14 pP 14 1 0	253.221327	-.000033	.000200	. v . . .
25	15 pP 15 1 0	252.578137	-.000110	.000200	. v. . .
26	16 pP 16 1 0	251.936295	-.000224	.000200	. x. . .
27	17 pP 17 1 0	251.296168	-.000036	.000200	. v . . .
28	18 pP 18 1 0	250.657260	-.000076	.000200	. v . . .
29	19 pP 19 1 0	250.019685	-.000266	.000300	. v. . .
30	20 pP 20 1 0	249.384103	.000017	.000200	. v . . .
31	21 pP 21 1 0	248.749722	-.000051	.000200	. v . . .
32	22 pP 22 1 0	248.116932	-.000109	.000200	. v. . .
33	23 pP 23 1 0	247.485878	-.000039	.000200	. v . . .
34	24 pP 24 1 0	246.856402	-.000022	.000200	. v . . .
35	25 pP 25 1 0	246.228762	.000180	.000200	. .v . .
36	26 pP 26 1 0	245.602401	-.000007	.000200	. v . . .
37	27 pP 27 1 0	244.977715	-.000203	.000200	. x. . .
38	28 pP 28 1 0	244.355241	.000118	.000200	. .v . .
39	29 pP 29 1 0	243.734030	-.000006	.000200	. v . . .
40	30 pP 30 1 0	243.114621	-.000044	.000200	. v . . .
41	31 pP 31 1 0	242.496975	-.000046	.000200	. v . . .
42	32 pP 32 1 0	241.881092	-.000016	.000200	. v . . .
43	33 pP 33 1 0	241.266919	-.000016	.000200	. v . . .
44	34 pP 34 1 0	240.654485	-.000022	.000200	. v . . .
45	35 pP 35 1 0	240.043819	-.000009	.000200	. v . . .
46	36 pP 36 1 0	239.434881	-.000022	.000200	. v . . .
47	37 pP 37 1 0	238.827715	-.000021	.000200	. v . . .
48	38 pP 38 1 0	238.222327	-.000003	.000200	. v . . .
49	39 pP 39 1 0	237.618689	.000002	.000200	. v . . .
50	40 pP 40 1 0	237.016845	.000034	.000200	. v . . .
51	41 pP 41 1 0	236.416694	-.000009	.000200	. v . . .
52	42 pP 42 1 0	235.818366	.000001	.000200	. v . . .
53	43 pP 43 1 0	235.221769	-.000030	.000200	. v . . .
54	44 pP 44 1 0	234.626958	-.000049	.000200	. v . . .
55	45 pP 45 1 0	234.033969	-.000020	.000200	. v . . .
56	46 pP 46 1 0	233.442678	-.000068	.000200	. v . . .
57	47 pP 47 1 0	232.853262	-.000018	.000200	. v . . .
58	48 pP 48 1 0	232.265522	-.000068	.000200	. v . . .
59	49 pP 49 1 0	231.679631	-.000046	.000200	. v . . .

1	50 pP 50	1	0	231.095529	-.000013	.000200		.	v	.	
2	51 pP 51	1	0	230.513151	-.000034	.000200		.	v	.	
3	52 pP 52	1	0	229.932549	-.000056	.000200		.	v	.	
4	53 pP 53	1	0	229.353721	-.000081	.000200		.	v	.	
5	54 pP 54	1	0	228.776708	-.000069	.000200		.	v	.	
6	55 pP 55	1	0	228.201451	-.000077	.000200		.	v	.	
7	56 pP 56	1	0	227.628105	.000050	.000200		.	v	.	
8	57 pP 57	1	0	227.056218	-.000140	.000200		.	v.	.	
9	58 pP 58	1	0	226.486351	-.000085	.000200		.	v	.	
10	59 pP 59	1	0	225.918227	-.000061	.000200		.	v	.	
11	60 pP 60	1	0	225.351895	-.000018	.000200		.	v	.	
12	61 pP 61	1	0	224.787325	.000015	.000200		.	v	.	
13	62 pP 62	1	0	224.224355	-.000123	.000200		.	v.	.	
14	63 pP 63	1	0	223.663432	.000017	.000200		.	v	.	
15	64 pP 64	1	0	223.103923	-.000198	.000200		.	v.	.	
16	65 pP 65	1	0	222.546390	-.000204	.000200		.	x.	.	
17	66 pP 66	1	0	221.990724	-.000108	.000200		.	v.	.	
18	67 pP 67	1	0	221.436937	.000102	.000200		.	.v	.	
19	68 pP 68	1	0	220.884451	-.000148	.000200		.	v.	.	
20	69 pP 69	1	0	220.334281	.000157	.000200		.	.v	.	
21	70 pP 70	1	0	219.785213	-.000194	.000200		.	v.	.	
22	71 pR 1	1	0	263.755013	.000577	.001000		.	.v	.	
23	72 pR 2	1	0	264.433728	.000924	.001000		.	.v	.	
24	73 pR 3	1	0	265.113846	.000253	.000500		.	.v	.	
25	74 pR 4	1	0	265.797181	.000503	.001000		.	.v	.	
26	75 pR 5	1	0	266.482307	.000398	.000500		.	.v	.	
27	76 pR 6	1	0	267.169134	.000015	.000200		.	v	.	
28	77 pR 7	1	0	267.858051	-.000086	.000200		.	v	.	
29	78 pR 8	1	0	268.549147	.000347	.000500		.	.v	.	
30	79 pR 9	1	0	269.240962	-.000007	.000200		.	v	.	
31	80 pR 10	1	0	269.934328	-.000204	.000200		.	x.	.	
32	81 pR 11	1	0	270.629423	.000008	.000200		.	v	.	
33	82 pR 12	1	0	271.325536	-.000043	.000200		.	v	.	
34	83 pR 13	1	0	272.023007	-.000005	.000200		.	v	.	
35	84 pR 14	1	0	272.721333	-.000387	.000500		.	v	.	
36	85 pR 15	1	0	273.421578	-.000146	.000200		.	v	.	
37	86 pR 16	1	0	274.123142	.000089	.000200		.	v	.	
38	87 pR 17	1	0	274.825942	.000209	.000300		.	.v	.	
39	88 pR 18	1	0	275.529757	-.000036	.000200		.	v	.	
40	89 pR 19	1	0	276.234999	-.000260	.000300		.	v	.	
41	90 pR 20	1	0	276.942141	-.000011	.000200		.	v	.	
42	91 pR 21	1	0	277.650429	-.000063	.000200		.	v	.	
43	92 pR 22	1	0	278.360182	-.000112	.000200		.	v.	.	
44	93 pR 23	1	0	279.071479	-.000091	.000200		.	v	.	
45	94 pR 24	1	0	279.784242	-.000088	.000200		.	v	.	
46	95 pR 25	1	0	280.498629	.000048	.000200		.	v	.	
47	96 pR 26	1	0	281.214238	-.000092	.000200		.	v	.	
48	97 pR 27	1	0	281.931464	-.000116	.000200		.	v.	.	
49	98 pR 28	1	0	282.650248	-.000084	.000200		.	v	.	
50	99 pR 29	1	0	283.370503	-.000085	.000200		.	v	.	
51	100 pR 30	1	0	284.092247	-.000100	.000200		.	v.	.	
52	101 pR 31	1	0	284.815532	-.000077	.000200		.	v	.	
53	102 pR 32	1	0	285.540275	-.000097	.000200		.	v	.	
54	103 pR 33	1	0	286.266525	-.000107	.000200		.	v.	.	
55	104 pR 34	1	0	286.994295	-.000092	.000200		.	v	.	
56	105 pR 35	1	0	287.723536	-.000097	.000200		.	v	.	

106	pR	36	1	0	288.454354	-0.000011	.000200	.	v	.
107	pR	37	1	0	289.186489	-0.000091	.000200	.	v	.
108	pR	38	1	0	289.920183	-0.000088	.000200	.	v	.
109	pR	39	1	0	290.655355	-0.000078	.000200	.	v	.
110	pR	40	1	0	291.391954	-0.000108	.000200	.	v.	.
111	pR	41	1	0	292.130062	-0.000088	.000200	.	v	.
112	pR	42	1	0	292.869574	-0.000119	.000200	.	v.	.
113	pR	43	1	0	293.610623	-0.000060	.000200	.	v	.
114	pR	44	1	0	294.353000	-0.000113	.000200	.	v.	.
115	pR	45	1	0	295.096881	-0.000097	.000200	.	v	.
116	pR	46	1	0	295.842177	-0.000093	.000200	.	v	.
117	pR	47	1	0	296.588885	-0.000097	.000200	.	v	.
118	pR	48	1	0	297.337018	-0.000089	.000200	.	v	.
119	pR	49	1	0	298.086529	-0.000108	.000200	.	v.	.
120	pR	50	1	0	298.837448	-0.000117	.000200	.	v.	.
121	pR	51	1	0	299.589799	-0.000085	.000200	.	v	.
122	pR	52	1	0	300.343502	-0.000082	.000200	.	v	.
123	pR	53	1	0	301.098564	-0.000096	.000200	.	v	.
124	pR	54	1	0	301.855167	.000066	.000200	.	v	.
125	pR	55	1	0	302.612860	-0.000041	.000200	.	v	.
126	pR	56	1	0	303.371908	-0.000143	.000200	.	v.	.
127	pR	57	1	0	304.132525	-0.000018	.000200	.	v	.
128	pR	58	1	0	304.894276	-0.000093	.000200	.	v	.
129	pR	59	1	0	305.657373	-0.000146	.000200	.	v.	.
130	pR	60	1	0	306.421848	-0.000137	.000200	.	v.	.
131	pR	61	1	0	307.187768	.000010	.000200	.	v	.
132	pR	62	1	0	307.954699	-0.000131	.000200	.	v.	.
133	pR	63	1	0	308.722931	-0.000261	.000300	.	v.	.
134	pR	64	1	0	309.492785	-0.000049	.000200	.	v	.
135	pR	65	1	0	310.263364	-0.000384	.000500	.	v.	.
136	pR	66	1	0	311.035907	-0.000018	.000200	.	v	.
137	pR	67	1	0	311.808938	-0.000416	.000500	.	v.	.
138	pR	68	1	0	312.583935	-0.000093	.000200	.	v	.
139	pR	69	1	0	313.360167	.000231	.000300	.	v	.
140	pP	2	2	0	260.982653	-0.000108	.000200	.	v.	.
141	pP	3	2	0	260.317348	-0.000055	.000200	.	v	.
142	pP	4	2	0	259.654604	-0.000025	.000200	.	v	.
143	pP	5	2	0	258.994330	-0.000065	.000200	.	v	.
144	pP	6	2	0	258.336586	-0.000056	.000200	.	v	.
145	pP	7	2	0	257.681223	-0.000074	.000200	.	v	.
146	pP	8	2	0	257.028237	-0.000033	.000200	.	v	.
147	pP	9	2	0	256.377407	-0.000057	.000200	.	v	.
148	pP	10	2	0	255.728676	-0.000094	.000200	.	v	.
149	pP	11	2	0	255.082004	-0.000069	.000200	.	v	.
150	pP	12	2	0	254.437248	-0.000011	.000200	.	v	.
151	pP	13	2	0	253.794445	.000228	.000300	.	v	.
152	pP	14	2	0	253.152811	-0.000034	.000200	.	v	.
153	pP	15	2	0	252.512985	-0.000068	.000200	.	v	.
154	pP	16	2	0	251.874715	-0.000053	.000200	.	v	.
155	pP	17	2	0	251.237925	-0.000008	.000200	.	v	.
156	pP	18	2	0	250.602424	-0.000087	.000200	.	v	.
157	pP	19	2	0	249.968407	-0.000072	.000200	.	v	.
158	pP	20	2	0	249.335702	-0.000129	.000200	.	v.	.
159	pP	21	2	0	248.704539	-0.000031	.000200	.	v	.
160	pP	22	2	0	248.074649	-0.000061	.000200	.	v	.
161	pP	23	2	0	247.446236	-0.000033	.000200	.	v	.

1	162 pP 24 2 0	246.819523	.000253	.000300	.	.v	.	
2	163 pP 25 2 0	246.194010	.000271	.000300	.	.v	.	
3	164 pP 26 2 0	245.569695	-.000006	.000200	.	v	.	
4	165 pP 27 2 0	244.947169	-.000011	.000200	.	v	.	
5	166 pP 28 2 0	244.326161	-.000041	.000200	.	v	.	
6	167 pP 29 2 0	243.706764	-.000025	.000200	.	v	.	
7	168 pP 30 2 0	243.088984	.000022	.000200	.	v	.	
8	169 pP 31 2 0	242.472732	-.000009	.000200	.	v	.	
9	170 pP 32 2 0	241.858134	-.000009	.000200	.	v	.	
10	171 pP 33 2 0	241.245170	-.000014	.000200	.	v	.	
11	172 pP 34 2 0	240.633855	-.000025	.000200	.	v	.	
12	173 pP 35 2 0	240.024210	-.000032	.000200	.	v	.	
13	174 pP 36 2 0	239.416255	-.000028	.000200	.	v	.	
14	175 pP 37 2 0	238.810010	-.000002	.000200	.	v	.	
15	176 pP 38 2 0	238.205389	-.000051	.000200	.	v	.	
16	177 pP 39 2 0	237.602549	-.000026	.000200	.	v	.	
17	178 pP 40 2 0	237.001403	-.000021	.000200	.	v	.	
18	179 pP 41 2 0	236.401993	-.000001	.000200	.	v	.	
19	180 pP 42 2 0	235.804272	-.000019	.000200	.	v	.	
20	181 pP 43 2 0	235.208296	-.000023	.000200	.	v	.	
21	182 pP 44 2 0	234.614074	-.000010	.000200	.	v	.	
22	183 pP 45 2 0	234.021564	-.000026	.000200	.	v	.	
23	184 pP 46 2 0	233.430806	-.000035	.000200	.	v	.	
24	185 pP 47 2 0	232.841815	-.000024	.000200	.	v	.	
25	186 pP 48 2 0	232.254536	-.000052	.000200	.	v	.	
26	187 pP 49 2 0	231.669036	-.000053	.000200	.	v	.	
27	188 pP 50 2 0	231.085320	-.000025	.000200	.	v	.	
28	189 pP 51 2 0	230.503323	-.000035	.000200	.	v	.	
29	190 pP 52 2 0	229.923055	-.000074	.000200	.	v	.	
30	191 pP 53 2 0	229.344602	-.000058	.000200	.	v	.	
31	192 pP 54 2 0	228.767943	-.000008	.000200	.	v	.	
32	193 pP 55 2 0	228.192964	-.000039	.000200	.	v	.	
33	194 pP 56 2 0	227.619907	.000091	.000200	.	v	.	
34	195 pP 57 2 0	227.048410	.000018	.000200	.	v	.	
35	196 pP 58 2 0	226.478612	-.000118	.000200	.	v	.	
36	197 pP 59 2 0	225.910824	-.000006	.000200	.	v	.	
37	198 pP 60 2 0	225.344596	-.000096	.000200	.	v	.	
38	199 pP 61 2 0	224.780295	-.000021	.000200	.	v	.	
39	200 pP 62 2 0	224.217732	.000032	.000200	.	v	.	
40	201 pP 63 2 0	223.656468	-.000377	.000500	.	v.	.	
41	202 pP 64 2 0	223.097738	-.000012	.000200	.	v	.	
42	203 pP 65 2 0	222.540499	.000085	.000200	.	v	.	
43	204 pP 66 2 0	221.985047	.000212	.000200	.	x	.	
44	205 pP 67 2 0	221.431143	.000130	.000200	.	v	.	
45	206 pP 68 2 0	220.879152	.000206	.000200	.	x	.	
46	207 pP 69 2 0	220.330842	.002209	.003000	.	.	v	
47	208 pR 2 2 0	264.350673	.001932	.002000	.	.	v	
48	209 pR 3 2 0	265.028406	-.001232	.002000	v.	.	.	
49	210 pR 4 2 0	265.712646	-.000335	.000300	.	x	.	
50	211 pR 5 2 0	266.399611	.000920	.001000	.	.	v	
51	212 pR 6 2 0	267.085837	-.000834	.001000	v.	.	.	
52	213 pR 7 2 0	267.776816	.000001	.000200	.	v	.	
53	214 pR 8 2 0	268.468989	-.000017	.000200	.	v	.	
54	215 pR 9 2 0	269.163051	-.000074	.000200	.	v	.	
55	216 pR 10 2 0	269.859002	-.000045	.000200	.	v	.	
56	217 pR 11 2 0	270.556623	-.000033	.000200	.	v	.	

1	218	pR	12	2	0	271.255803	-.000037	.000200		.v	.
2	219	pR	13	2	0	271.956494	-.000009	.000200		.v	.
3	220	pR	14	2	0	272.658390	-.000175	.000200		.v.	.
4	221	pR	15	2	0	273.363657	.001697	.002000		.	v
5	222	pR	16	2	0	274.066593	-.000051	.000200		.v	.
6	223	pR	17	2	0	274.772438	-.000150	.000200		.v.	.
7	224	pR	18	2	0	275.479809	.000033	.000200		.v	.
8	225	pR	19	2	0	276.188145	-.000061	.000200		.v	.
9	226	pR	20	2	0	276.897823	-.000059	.000200		.v	.
10	227	pR	21	2	0	277.608444	-.000372	.000500		.v.	.
11	228	pR	22	2	0	278.320880	-.000144	.000200		.v.	.
12	229	pR	23	2	0	279.034633	.000110	.000200		.v.	.
13	230	pR	24	2	0	279.749236	-.000095	.000200		.v	.
14	231	pR	25	2	0	280.465345	-.000121	.000200		.v.	.
15	232	pR	26	2	0	281.182866	-.000078	.000200		.v	.
16	233	pR	27	2	0	281.901837	.000056	.000200		.v	.
17	234	pR	28	2	0	282.621925	-.000066	.000200		.v	.
18	235	pR	29	2	0	283.343528	-.000056	.000200		.v	.
19	236	pR	30	2	0	284.066490	-.000083	.000200		.v	.
20	237	pR	31	2	0	284.790860	-.000104	.000200		.v.	.
21	238	pR	32	2	0	285.516734	-.000031	.000200		.v	.
22	239	pR	33	2	0	286.243904	-.000077	.000200		.v	.
23	240	pR	34	2	0	286.972518	-.000100	.000200		.v	.
24	241	pR	35	2	0	287.702613	-.000063	.000200		.v	.
25	242	pR	36	2	0	288.434090	-.000070	.000200		.v	.
26	243	pR	37	2	0	289.166940	-.000128	.000200		.v.	.
27	244	pR	38	2	0	289.901300	-.000102	.000200		.v.	.
28	245	pR	39	2	0	290.637106	-.000054	.000200		.v	.
29	246	pR	40	2	0	291.374302	-.000039	.000200		.v	.
30	247	pR	41	2	0	292.112841	-.000101	.000200		.v.	.
31	248	pR	42	2	0	292.852855	-.000107	.000200		.v.	.
32	249	pR	43	2	0	293.594296	-.000099	.000200		.v	.
33	250	pR	44	2	0	294.337122	-.000116	.000200		.v.	.
34	251	pR	45	2	0	295.081394	-.000094	.000200		.v	.
35	252	pR	46	2	0	295.827050	-.000089	.000200		.v	.
36	253	pR	47	2	0	296.574099	-.000087	.000200		.v	.
37	254	pR	48	2	0	297.322541	-.000083	.000200		.v	.
38	255	pR	49	2	0	298.072370	-.000077	.000200		.v	.
39	256	pR	50	2	0	298.823476	-.000173	.000200		.v.	.
40	257	pR	51	2	0	299.576150	-.000074	.000200		.v	.
41	258	pR	52	2	0	300.330087	-.000078	.000200		.v	.
42	259	pR	53	2	0	301.085364	-.000101	.000200		.v.	.
43	260	pR	54	2	0	301.842039	-.000079	.000200		.v	.
44	261	pR	55	2	0	302.600047	-.000069	.000200		.v	.
45	262	pR	56	2	0	303.359396	-.000056	.000200		.v	.
46	263	pR	57	2	0	304.119967	-.000151	.000200		.v.	.
47	264	pR	58	2	0	304.880109	-.001998	.002000	v	.	.
48	265	pR	59	2	0	305.645281	-.000130	.000200		.v.	.
49	266	pR	60	2	0	306.409949	-.000073	.000200		.v	.
50	267	pR	61	2	0	307.175819	-.000112	.000200		.v.	.
51	268	pR	62	2	0	307.943070	-.000061	.000200		.v	.
52	269	pR	63	2	0	308.711473	-.000140	.000200		.v.	.
53	270	pR	64	2	0	309.481087	-.000282	.000200		x.	.
54	271	pR	65	2	0	310.252314	-.000075	.000200		v	.
55	272	pR	66	2	0	311.024754	.000088	.000300		v	.
56	273	pR	67	2	0	311.798179	-.000010	.000200		v	.

1	2	3	274 pR 68 2 0	312.572887	-.000064	.000200	. v .
4	5	6	275 pP 3 3 0	260.231953	-.000078	.000200	. v .
7	8	9	276 pP 4 3 0	259.569283	-.000063	.000200	. v .
10	11	12	277 pP 5 3 0	258.909158	-.000071	.000200	. v .
13	14	15	278 pP 6 3 0	258.251584	-.000059	.000200	. v .
16	17	18	279 pP 7 3 0	257.596504	-.000034	.000200	. v .
19	20	21	280 pP 8 3 0	256.943783	-.000073	.000200	. v .
22	23	24	281 pP 9 3 0	256.293487	-.000041	.000200	. v .
25	26	27	282 pP 10 3 0	255.645334	-.000144	.000200	. v .
28	29	30	283 pP 11 3 0	254.999650	.000027	.000200	. v .
31	32	33	284 pP 12 3 0	254.355783	-.000090	.000200	. v .
34	35	36	285 pP 13 3 0	253.714159	.000023	.000200	. v .
37	38	39	286 pP 14 3 0	253.074283	-.000037	.000200	. v .
40	41	42	287 pP 15 3 0	252.436285	-.000047	.000200	. v .
43	44	45	288 pP 16 3 0	251.800031	-.000054	.000200	. v .
46	47	48	289 pP 17 3 0	251.165529	.000030	.000200	. v .
49	50	51	290 pP 18 3 0	250.532435	-.000067	.000200	. v .
52	53	54	291 pP 19 3 0	249.903002	.001968	.003000	. . . v
55	56	57	292 pP 20 3 0	249.270962	-.000082	.000200	. v .
58	59	60	293 pP 21 3 0	248.642486	-.000010	.000200	. v .
1	2	3	294 pP 22 3 0	248.015269	-.000094	.000200	. v .
4	5	6	295 pP 23 3 0	247.389633	.000003	.000200	. v .
7	8	9	296 pP 24 3 0	246.765276	-.000014	.000200	. v .
10	11	12	297 pP 25 3 0	246.142328	-.000018	.000200	. v .
13	14	15	298 pP 26 3 0	245.520776	-.000029	.000200	. v .
16	17	18	299 pP 27 3 0	244.900667	-.000013	.000200	. v .
19	20	21	300 pP 28 3 0	244.281993	.000005	.000200	. v .
22	23	24	301 pP 29 3 0	243.664742	-.000005	.000200	. v .
25	26	27	302 pP 30 3 0	243.048955	-.000021	.000200	. v .
28	29	30	303 pP 31 3 0	242.434671	-.000026	.000200	. v .
31	32	33	304 pP 32 3 0	241.821935	.000005	.000200	. v .
34	35	36	305 pP 33 3 0	241.210692	-.000003	.000200	. v .
37	38	39	306 pP 34 3 0	240.600983	-.000027	.000200	. v .
40	41	42	307 pP 35 3 0	239.992893	-.000002	.000200	. v .
43	44	45	308 pP 36 3 0	239.386356	-.000011	.000200	. v .
46	47	48	309 pP 37 3 0	238.781416	-.000025	.000200	. v .
50	51	52	310 pP 38 3 0	238.178112	-.000020	.000200	. v .
53	54	55	311 pP 39 3 0	237.576425	-.000029	.000200	. v .
56	57	58	312 pP 40 3 0	236.976409	-.000010	.000200	. v .
59	60	1	313 pP 41 3 0	236.378023	-.000016	.000200	. v .
2	3	4	314 pP 42 3 0	235.781321	-.000004	.000200	. v .
5	6	7	315 pP 43 3 0	235.186294	.000008	.000200	. v .
8	9	10	316 pP 44 3 0	234.592913	-.000018	.000200	. v .
11	12	13	317 pP 45 3 0	234.001254	-.000013	.000200	. v .
14	15	16	318 pP 46 3 0	233.411294	-.000008	.000200	. v .
17	18	19	319 pP 47 3 0	232.823026	-.000015	.000200	. v .
20	21	22	320 pP 48 3 0	232.236458	-.000033	.000200	. v .
23	24	25	321 pP 49 3 0	231.651627	-.000031	.000200	. v .
26	27	28	322 pP 50 3 0	231.068518	-.000026	.000200	. v .
29	30	31	323 pP 51 3 0	230.487139	-.000016	.000200	. v .
32	33	34	324 pP 52 3 0	229.907472	-.000023	.000200	. v .
35	36	37	325 pP 53 3 0	229.329547	-.000019	.000200	. v .
38	39	40	326 pP 54 3 0	228.753342	-.000029	.000200	. v .
41	42	43	327 pP 55 3 0	228.178794	-.000119	.000200	. v .
44	45	46	328 pP 56 3 0	227.606182	-.000011	.000200	. v .
47	48	49	329 pP 57 3 0	227.035167	-.000047	.000200	. v .

1	330 pP 58 3 0	226.465840	-0.000137	.000200	.	v.	.
2	331 pP 59 3 0	225.898465	-0.000018	.000200	.	v.	.
3	332 pP 60 3 0	225.332739	.000005	.000200	.	v.	.
4	333 pP 61 3 0	224.768578	-0.000151	.000200	.	v.	.
5	334 pP 62 3 0	224.206329	-0.000141	.000200	.	v.	.
6	335 pP 63 3 0	223.645930	-0.000026	.000200	.	v.	.
7	336 pP 64 3 0	223.087153	-0.000035	.000200	.	v.	.
8	337 pP 65 3 0	222.530107	-0.000058	.000200	.	v.	.
9	338 pP 66 3 0	221.975441	.000553	.001000	.	v.	.
10	339 pP 67 3 0	221.421078	-0.000278	.000300	.	v.	.
11	340 pP 68 3 0	220.870905	.001338	.002000	.	.	v.
12	341 pP 69 3 0	220.319563	.000041	.000200	.	v.	.
13	342 pP 70 3 0	219.771720	.000501	.000500	.	x.	.
14	343 pP 71 3 0	219.224939	.000281	.000300	.	v.	.
15	344 pP 72 3 0	218.680497	.000660	.001000	.	v.	.
16	345 pP 73 3 0	218.136489	-0.000265	.000500	.	v.	.
17	346 pP 74 3 0	217.595626	.000218	.000200	.	x.	.
18	347 pP 75 3 0	217.056859	.001061	.001000	.	.	x.
19	348 pP 76 3 0	216.517951	.000029	.000300	.	v.	.
20	349 pP 77 3 0	215.981036	-0.00741	.002000	.	v.	.
21	350 pP 78 3 0	215.448046	.000683	.001000	.	v.	.
22	351 pR 3 3 0	264.944545	.000756	.001000	.	v.	.
23	352 pR 4 3 0	265.627217	.000069	.000200	.	v.	.
24	353 pR 5 3 0	266.313800	.000853	.001000	.	v.	.
25	354 pR 6 3 0	267.001098	-0.000022	.000200	.	v.	.
26	355 pR 7 3 0	267.691744	.000153	.000200	.	v.	.
27	356 pR 8 3 0	268.384118	-0.000158	.000200	.	v.	.
28	357 pR 9 3 0	269.079223	.000138	.000200	.	v.	.
29	358 pR 10 3 0	269.775996	.000075	.000200	.	v.	.
30	359 pR 11 3 0	270.474781	.000097	.000200	.	v.	.
31	360 pR 12 3 0	271.175263	-0.000011	.000200	.	v.	.
32	361 pR 13 3 0	271.877482	-0.000110	.000200	.	v.	.
33	362 pR 14 3 0	272.581588	.000046	.000200	.	v.	.
34	363 pR 15 3 0	273.287100	.000063	.000200	.	v.	.
35	364 pR 16 3 0	273.993996	-0.000001	.000200	.	v.	.
36	365 pR 17 3 0	274.702316	-0.000039	.000200	.	v.	.
37	366 pR 18 3 0	275.412060	.000006	.000200	.	v.	.
38	367 pR 19 3 0	276.123026	-0.000022	.000200	.	v.	.
39	368 pR 20 3 0	276.835275	-0.000029	.000200	.	v.	.
40	369 pR 21 3 0	277.548595	-0.000204	.000200	.	x.	.
41	370 pR 23 3 0	278.979351	-0.000108	.000200	.	v.	.
42	371 pR 24 3 0	279.696534	-0.000085	.000200	.	v.	.
43	372 pR 25 3 0	280.414911	-0.000093	.000200	.	v.	.
44	373 pR 26 3 0	281.134544	-0.000079	.000200	.	v.	.
45	374 pR 27 3 0	281.855458	-0.000030	.000200	.	v.	.
46	375 pR 28 3 0	282.577505	-0.000105	.000200	.	v.	.
47	376 pR 29 3 0	283.300943	-0.000059	.000200	.	v.	.
48	377 pR 30 3 0	284.025587	-0.000091	.000200	.	v.	.
49	378 pR 31 3 0	284.751559	-0.000091	.000200	.	v.	.
50	379 pR 32 3 0	285.478856	-0.000074	.000200	.	v.	.
51	380 pR 33 3 0	286.207448	-0.000080	.000200	.	v.	.
52	381 pR 34 3 0	286.937369	-0.000086	.000200	.	v.	.
53	382 pR 35 3 0	287.668630	-0.000088	.000200	.	v.	.
54	383 pR 36 3 0	288.401294	-0.000031	.000200	.	v.	.
55	384 pR 37 3 0	289.135212	-0.000070	.000200	.	v.	.
56	385 pR 38 3 0	289.870417	-0.000178	.000200	.	v.	.

3	386 pR 39 3 0	290.607184	-.000082	.000200	. v .
4	387 pR 40 3 0	291.345217	-.000083	.000200	. v .
5	388 pR 41 3 0	292.084613	-.000085	.000200	. v .
6	389 pR 42 3 0	292.825397	-.000064	.000200	. v .
7	390 pR 43 3 0	293.567499	-.000091	.000200	. v .
8	391 pR 44 3 0	294.311003	-.000081	.000200	. v .
9	392 pR 45 3 0	295.055856	-.000087	.000200	. v .
10	393 pR 46 3 0	295.802086	-.000078	.000200	. v .
11	394 pR 47 3 0	296.549647	-.000097	.000200	. v .
12	395 pR 48 3 0	297.298614	-.000068	.000200	. v .
13	396 pR 49 3 0	298.048919	-.000055	.000200	. v .
14	397 pR 50 3 0	298.800577	-.000038	.000200	. v .
15	398 pR 51 3 0	299.553499	-.000103	.000200	. v .
16	399 pR 52 3 0	300.307854	-.000076	.000200	. v .
17	400 pR 53 3 0	301.063531	-.000063	.000200	. v .
18	401 pR 54 3 0	301.820563	-.000025	.000200	. v .
19	402 pR 55 3 0	302.578848	-.000059	.000200	. v .
20	403 pR 56 3 0	303.338433	-.000111	.000200	. v .
21	404 pR 57 3 0	304.099382	-.000112	.000200	. v .
22	405 pR 58 3 0	304.861645	-.000104	.000200	. v .
23	406 pR 59 3 0	305.625230	-.000074	.000200	. v .
24	407 pR 60 3 0	306.390111	-.000040	.000200	. v .
25	408 pR 61 3 0	307.156255	-.000027	.000200	. v .
26	409 pR 62 3 0	307.923598	-.000093	.000200	. v .
27	410 pR 63 3 0	308.692295	-.000074	.000200	. v .
28	411 pR 64 3 0	309.462222	-.000088	.000200	. v .
29	412 pR 65 3 0	310.233423	-.000081	.000200	. v .
30	413 pR 66 3 0	311.005876	-.000068	.000200	. v .
31	414 pR 67 3 0	311.779595	-.000027	.000200	. v .
32	415 pR 68 3 0	312.554558	.000029	.000200	. v .
33	416 pR 69 3 0	313.330692	.000035	.000200	. v .
34	417 pR 70 3 0	314.108115	.000118	.000200	. v .
35	418 pP 4 4 0	259.482483	-.000078	.000200	. v .
36	419 pP 5 4 0	258.822505	-.000059	.000200	. v .
37	420 pP 6 4 0	258.165042	-.000079	.000200	. v .
38	421 pP 7 4 0	257.510133	-.000061	.000200	. v .
39	422 pP 8 4 0	256.857920	.000179	.000300	. v .
40	423 pP 9 4 0	256.207655	-.000055	.000200	. v .
41	424 pP 10 4 0	255.560213	.000171	.000300	. v .
42	425 pP 11 4 0	254.914583	-.000091	.000200	. v .
43	426 pP 12 4 0	254.271383	-.000153	.000200	. v .
44	427 pP 13 4 0	253.630426	-.000126	.000200	. v .
45	428 pP 14 4 0	252.991556	-.000089	.000200	. v .
46	429 pP 15 4 0	252.354702	-.000034	.000200	. v .
47	430 pP 16 4 0	251.719247	-.000496	.000500	. v .
48	431 pP 17 4 0	251.086534	-.000054	.000200	. v .
49	432 pP 18 4 0	250.455169	-.000027	.000200	. v .
50	433 pP 19 4 0	249.825454	-.000041	.000200	. v .
51	434 pP 20 4 0	249.197336	-.000085	.000200	. v .
52	435 pP 21 4 0	248.570912	-.000004	.000200	. v .
53	436 pP 22 4 0	247.945591	-.000341	.000300	. x .
54	437 pP 23 4 0	247.322369	-.000060	.000200	. v .
55	438 pP 24 4 0	246.700286	-.000087	.000200	. v .
56	439 pP 25 4 0	246.079772	.000028	.000200	. v .
57	440 pP 26 4 0	245.460496	-.000029	.000200	. v .
58	441 pP 27 4 0	244.842724	.000016	.000200	. v .

442	pP	28	4	0	244.226270	-0.000023	.000200	.	v	.
443	pP	29	4	0	243.611312	.000030	.000200	.	v	.
444	pP	30	4	0	242.997648	-0.000036	.000200	.	v	.
445	pP	31	4	0	242.385485	-0.000025	.000200	.	v	.
446	pP	32	4	0	241.774767	-0.000006	.000200	.	v	.
447	pP	33	4	0	241.165490	.000000	.000200	.	v	.
448	pP	34	4	0	240.557698	.000021	.000200	.	v	.
449	pP	35	4	0	239.951340	-0.000011	.000200	.	v	.
450	pP	36	4	0	239.346541	.000011	.000200	.	v	.
451	pP	37	4	0	238.743234	.000004	.000200	.	v	.
452	pP	38	4	0	238.141446	-0.000023	.000200	.	v	.
453	pP	39	4	0	237.541279	.000016	.000200	.	v	.
454	pP	40	4	0	236.942621	-0.000006	.000200	.	v	.
455	pP	41	4	0	236.345593	.000017	.000200	.	v	.
456	pP	42	4	0	235.750160	.000037	.000200	.	v	.
457	pP	43	4	0	235.156265	-0.000017	.000200	.	v	.
458	pP	44	4	0	234.564058	-0.000006	.000200	.	v	.
459	pP	45	4	0	233.973477	-0.000003	.000200	.	v	.
460	pP	46	4	0	233.384573	.000031	.000200	.	v	.
461	pP	47	4	0	232.797233	-0.000024	.000200	.	v	.
462	pP	48	4	0	232.211572	-0.000063	.000200	.	v	.
463	pP	49	4	0	231.627663	-0.000021	.000200	.	v	.
464	pP	50	4	0	231.045353	-0.000057	.000200	.	v	.
465	pP	51	4	0	230.464785	-0.000037	.000200	.	v	.
466	pP	52	4	0	229.885912	-0.000012	.000200	.	v	.
467	pP	53	4	0	229.308842	.000120	.000200	.	v	.
468	pP	54	4	0	228.733219	-0.000001	.000200	.	v	.
469	pP	55	4	0	228.159428	.000004	.000200	.	v	.
470	pP	56	4	0	227.587364	.000026	.000200	.	v	.
471	pP	57	4	0	227.016982	.000019	.000200	.	v	.
472	pP	58	4	0	226.448309	.000004	.000200	.	v	.
473	pP	59	4	0	225.881276	-0.000089	.000200	.	v	.
474	pP	60	4	0	225.316101	-0.000045	.000200	.	v	.
475	pP	61	4	0	224.752655	.000005	.000200	.	v	.
476	pP	62	4	0	224.190746	-0.000132	.000200	.	v	.
477	pP	63	4	0	223.630605	-0.000227	.000200	.	x.	.
478	pP	64	4	0	223.073723	.001210	.002000	.	v	.
479	pP	65	4	0	222.516069	.000147	.000300	.	v	.
480	pP	66	4	0	221.961694	.000634	.001000	.	v	.
481	pP	67	4	0	221.409531	.001605	.002000	.	v	.
482	pP	68	4	0	220.856372	-0.000150	.000200	.	v	.
483	pP	69	4	0	220.306124	-0.000722	.001000	.	v	.
484	pP	70	4	0	219.758673	-0.000227	.000200	.	x.	.
485	pR	4	4	0	265.539823	.000364	.000500	.	v	.
486	pR	5	4	0	266.225365	.000141	.000200	.	v	.
487	pR	6	4	0	266.912942	-0.000472	.000500	.	v	.
488	pR	7	4	0	267.605233	.001263	.002000	.	v	.
489	pR	8	4	0	268.296825	-0.000002	.000200	.	v	.
490	pR	9	4	0	268.991849	-0.000063	.000200	.	v	.
491	pR	10	4	0	269.688865	-0.000284	.000300	.	v	.
492	pR	11	4	0	270.388690	.000235	.000300	.	v	.
493	pR	12	4	0	271.089681	-0.000063	.000200	.	v	.
494	pR	13	4	0	271.792838	-0.000092	.000200	.	v	.
495	pR	14	4	0	272.498010	.000085	.000200	.	v	.
496	pR	15	4	0	273.204580	-0.000062	.000200	.	v	.
497	pR	16	4	0	273.912848	-0.000150	.000200	.	v	.

1	498 pR 17 4 0	274.622821	-.000095	.000200	. v .
2	499 pR 18 4 0	275.334229	-.000094	.000200	. v .
3	500 pR 19 4 0	276.046981	-.000173	.000200	. v .
4	501 pR 20 4 0	276.761256	-.000096	.000200	. v .
5	502 pR 21 4 0	277.476808	-.000063	.000200	. v .
6	503 pR 22 4 0	278.193747	.000077	.000200	. v .
7	504 pR 23 4 0	278.911694	-.000025	.000200	. v .
8	505 pR 24 4 0	279.630803	-.000194	.000200	. v .
9	506 pR 25 4 0	280.351831	.000344	.000500	. . v .
10	507 pR 26 4 0	281.073101	-.000079	.000200	. v .
11	508 pR 27 4 0	281.795991	-.000082	.000200	. v .
12	509 pR 28 4 0	282.519964	-.000201	.000200	. x. .
13	510 pR 29 4 0	283.245415	-.000047	.000200	. v .
14	511 pR 30 4 0	283.971890	-.000079	.000200	. v .
15	512 pR 31 4 0	284.699684	-.000011	.000200	. v .
16	513 pR 32 4 0	285.428588	-.000059	.000200	. v .
17	514 pR 33 4 0	286.158776	-.000062	.000200	. v .
18	515 pR 34 4 0	286.890222	-.000053	.000200	. v .
19	516 pR 35 4 0	287.622879	-.000090	.000200	. v .
20	517 pR 36 4 0	288.356863	-.000066	.000200	. v .
21	518 pR 37 4 0	289.092133	-.000031	.000200	. v .
22	519 pR 38 4 0	289.828597	-.000085	.000200	. v .
23	520 pR 39 4 0	290.566454	-.000036	.000200	. v .
24	521 pR 40 4 0	291.305459	-.000136	.000200	. v. .
25	522 pR 41 4 0	292.045926	-.000074	.000200	. v .
26	523 pR 42 4 0	292.787680	-.000032	.000200	. v .
27	524 pR 43 4 0	293.530654	-.000080	.000200	. v .
28	525 pR 44 4 0	294.274999	-.000068	.000200	. v .
29	526 pR 45 4 0	295.020668	-.000048	.000200	. v .
30	527 pR 46 4 0	295.767615	-.000064	.000200	. v .
31	528 pR 47 4 0	296.515902	-.000057	.000200	. v .
32	529 pR 48 4 0	297.265492	-.000062	.000200	. v .
33	530 pR 49 4 0	298.016444	-.000021	.000200	. v .
34	531 pR 50 4 0	298.768633	-.000055	.000200	. v .
35	532 pR 51 4 0	299.522188	-.000035	.000200	. v .
36	533 pR 52 4 0	300.277028	-.000039	.000200	. v .
37	534 pR 53 4 0	301.033186	-.000030	.000200	. v .
38	535 pR 54 4 0	301.790610	-.000058	.000200	. v .
39	536 pR 55 4 0	302.549372	-.000045	.000200	. v .
40	537 pR 56 4 0	303.309285	-.000175	.000200	. v. .
41	538 pR 57 4 0	304.070699	-.000092	.000200	. v .
42	539 pR 58 4 0	304.833275	-.000132	.000200	. v. .
43	540 pR 59 4 0	305.597275	-.000025	.000200	. v .
44	541 pR 60 4 0	306.362340	-.000126	.000200	. v. .
45	542 pR 61 4 0	307.128826	-.000073	.000200	. v .
46	543 pR 62 4 0	307.896320	-.000271	.000200	. x. .
47	544 pR 63 4 0	308.665463	-.000074	.000200	. v .
48	545 pR 64 4 0	309.435574	-.000155	.000200	. v. .
49	546 pR 65 4 0	310.207110	-.000051	.000200	. v .
50	547 pR 66 4 0	310.979608	-.000216	.000200	. x. .
51	548 pR 67 4 0	311.753871	.000158	.000300	. .v .
52	549 pR 68 4 0	312.528655	-.000163	.000200	. v. .
53	550 pR 69 4 0	313.305474	.000342	.000500	. . v .
54	551 pR 70 4 0	314.082695	.000047	.000300	. v .
55	552 pP 5 5 0	258.734309	-.000085	.000200	. v .
56	553 pP 6 5 0	258.077019	-.000083	.000200	. v .

1									
2									
3	554 pP 7 5 0	257.422320	-.000027	.000200		.	v	.	
4	555 pP 8 5 0	256.770016	-.000078	.000200		.	v	.	
5	556 pP 9 5 0	256.120220	-.000082	.000200		.	v	.	
6	557 pP 10 5 0	255.472871	-.000055	.000200		.	v	.	
7	558 pP 11 5 0	254.827808	-.000105	.000200		.	v.	.	
8	559 pP 12 5 0	254.184943	-.000263	.000200		.	x.	.	
9	560 pP 13 5 0	253.544625	-.000118	.000200		.	v.	.	
10	561 pP 14 5 0	252.906368	-.000091	.000200		.	v	.	
11	562 pP 15 5 0	252.270342	.000057	.000200		.	v	.	
12	563 pP 16 5 0	251.636082	-.000070	.000200		.	v	.	
13	564 pP 17 5 0	251.004041	.000055	.000200		.	v	.	
14	565 pP 18 5 0	250.373763	.000044	.000200		.	v	.	
15	566 pP 19 5 0	249.745192	-.000087	.000200		.	v	.	
16	567 pP 20 5 0	249.118589	-.000012	.000200		.	v	.	
17	568 pP 21 5 0	248.493590	-.000031	.000200		.	v	.	
18	569 pP 22 5 0	247.870428	.000147	.000300		.	.v	.	
19	570 pP 23 5 0	247.248525	-.000005	.000200		.	v	.	
20	571 pP 24 5 0	246.628265	-.000055	.000200		.	v	.	
21	572 pP 25 5 0	246.009590	-.000024	.000200		.	v	.	
22	573 pP 26 5 0	245.392322	-.000056	.000200		.	v	.	
23	574 pP 27 5 0	244.776582	-.000007	.000200		.	v	.	
24	575 pP 28 5 0	244.162235	.000008	.000200		.	v	.	
25	576 pP 29 5 0	243.549304	.000024	.000200		.	v	.	
26	577 pP 30 5 0	242.937692	-.000050	.000200		.	v	.	
27	578 pP 31 5 0	242.327609	-.000001	.000200		.	v	.	
28	579 pP 32 5 0	241.718908	.000021	.000200		.	v	.	
29	580 pP 33 5 0	241.111627	.000048	.000200		.	v	.	
30	581 pP 34 5 0	240.505676	-.000019	.000200		.	v	.	
31	582 pP 35 5 0	239.901226	-.000020	.000200		.	v	.	
32	583 pP 36 5 0	239.298245	.000000	.000200		.	v	.	
33	584 pP 37 5 0	238.696693	-.000013	.000200		.	v	.	
34	585 pP 38 5 0	238.096637	-.000006	.000200		.	v	.	
35	586 pP 39 5 0	237.498112	.000041	.000200		.	v	.	
36	587 pP 40 5 0	236.900956	-.000050	.000200		.	v	.	
37	588 pP 41 5 0	236.305467	.000004	.000200		.	v	.	
38	589 pP 42 5 0	235.711445	-.000011	.000200		.	v	.	
39	590 pP 43 5 0	235.119015	.000016	.000200		.	v	.	
40	591 pP 44 5 0	234.528108	.000001	.000200		.	v	.	
41	592 pP 45 5 0	233.938815	.000023	.000200		.	v	.	
42	593 pP 46 5 0	233.351076	.000010	.000200		.	v	.	
43	594 pP 47 5 0	232.764943	.000001	.000200		.	v	.	
44	595 pP 48 5 0	232.180426	-.000003	.000200		.	v	.	
45	596 pP 49 5 0	231.597538	-.000001	.000200		.	v	.	
46	597 pP 50 5 0	231.016300	.000020	.000200		.	v	.	
47	598 pP 51 5 0	230.436704	.000042	.000200		.	v	.	
48	599 pP 52 5 0	229.858822	.000129	.000200		.	.v	.	
49	600 pP 53 5 0	229.282312	-.000067	.000200		.	v	.	
50	601 pP 54 5 0	228.707676	-.000053	.000200		.	v	.	
51	602 pP 55 5 0	228.134661	-.000086	.000200		.	v	.	
52	603 pP 56 5 0	227.563400	-.000041	.000200		.	v	.	
53	604 pP 57 5 0	226.993666	-.000149	.000200		.	v.	.	
54	605 pP 58 5 0	226.425791	-.000083	.000200		.	v	.	
55	606 pP 59 5 0	225.859525	-.000098	.000200		.	v	.	
56	607 pP 60 5 0	225.295164	.000100	.000200		.	v	.	
57	608 pP 61 5 0	224.732969	.000767	.001000		.	. v.	.	
58	609 pP 62 5 0	224.171149	.000109	.000200		.	.v	.	
59									
60									

3	610 pP 63 5 0	223.611817	.000237	.000300	.	.v	.	
4	611 pR 5 5 0	266.134588	-.001016	.001000	x	.	.	
5	612 pR 6 5 0	266.826880	.003158	.003000	.	.	.	x
6	613 pR 7 5 0	267.514885	.000638	.001000	.	.	v.	
7	614 pR 8 5 0	268.207104	-.000019	.000200	.	v	.	
8	615 pR 9 5 0	268.902343	.000051	.000200	.	v	.	
9	616 pR 10 5 0	269.599752	.000063	.000200	.	v	.	
10	617 pR 11 5 0	270.297215	-.002030	.002000	x	.	.	
11	618 pR 12 5 0	271.000638	-.000250	.000200	.	x.	.	
12	619 pR 13 5 0	271.705565	.001025	.002000	.	.	v	
13	620 pR 14 5 0	272.409561	-.000564	.000500	.	x	.	
14	621 pR 15 5 0	273.117821	.000258	.000500	.	.v	.	
15	622 pR 16 5 0	273.826410	-.000366	.000300	.	x.	.	
16	623 pR 17 5 0	274.537507	-.000181	.000200	.	v.	.	
17	624 pR 18 5 0	275.250568	.000344	.000500	.	.	v	
18	625 pR 19 5 0	275.964176	-.000137	.000200	.	v.	.	
19	626 pR 20 5 0	276.679934	.000044	.000200	.	v	.	
20	627 pR 21 5 0	277.396617	-.000279	.000200	.	x.	.	
21	628 pR 22 5 0	278.115602	.000325	.000500	.	.	v	
22	629 pR 23 5 0	278.834912	-.000075	.000200	.	v	.	
23	630 pR 24 5 0	279.555940	-.000046	.000200	.	v	.	
24	631 pR 25 5 0	280.278072	-.000169	.000200	.	v.	.	
25	632 pR 26 5 0	281.001780	.000053	.000200	.	v	.	
26	633 pR 27 5 0	281.726321	-.000103	.000200	.	v.	.	
27	634 pR 28 5 0	282.452060	-.000258	.000200	.	x.	.	
28	635 pR 29 5 0	283.179453	.000054	.000200	.	v	.	
29	636 pR 30 5 0	283.908033	.000370	.001000	.	.	v	
30	637 pR 31 5 0	284.637028	-.000079	.000200	.	v	.	
31	638 pR 32 5 0	285.367670	-.000065	.000200	.	v	.	
32	639 pR 33 5 0	286.099203	-.000345	.000200	.	x.	.	
33	640 pR 34 5 0	286.832427	-.000126	.000200	.	v.	.	
34	641 pR 35 5 0	287.566685	-.000071	.000200	.	v	.	
35	642 pR 36 5 0	288.302018	-.000145	.000200	.	v.	.	
36	643 pR 37 5 0	289.038719	-.000065	.000200	.	v	.	
37	644 pR 38 5 0	289.776564	-.000061	.000200	.	v	.	
38	645 pR 39 5 0	290.515635	-.000060	.000200	.	v	.	
39	646 pR 40 5 0	291.255962	-.000037	.000200	.	v	.	
40	647 pR 41 5 0	291.997493	-.000052	.000200	.	v	.	
41	648 pR 42 5 0	292.740286	-.000054	.000200	.	v	.	
42	649 pR 43 5 0	293.484324	-.000064	.000200	.	v	.	
43	650 pR 44 5 0	294.229645	-.000050	.000200	.	v	.	
44	651 pR 45 5 0	294.976222	-.000043	.000200	.	v	.	
45	652 pR 46 5 0	295.724048	-.000053	.000200	.	v	.	
46	653 pR 47 5 0	296.473136	-.000069	.000200	.	v	.	
47	654 pR 48 5 0	297.223518	-.000063	.000200	.	v	.	
48	655 pR 49 5 0	297.974866	-.000363	.000500	.	v.	.	
49	656 pR 50 5 0	298.728123	-.000026	.000200	.	v	.	
50	657 pR 51 5 0	299.482273	-.000070	.000200	.	v	.	
51	658 pR 52 5 0	300.237766	-.000042	.000200	.	v	.	
52	659 pR 53 5 0	300.994581	.000036	.000200	.	v	.	
53	660 pR 54 5 0	301.752472	-.000080	.000200	.	v	.	
54	661 pR 55 5 0	302.511815	-.000010	.000200	.	v	.	
55	662 pR 56 5 0	303.272244	-.000119	.000200	.	v.	.	
56	663 pR 57 5 0	304.034114	-.000048	.000200	.	v	.	
57	664 pR 58 5 0	304.797088	-.000131	.000200	.	v.	.	
58	665 pR 59 5 0	305.561676	.000147	.000300	.	.v	.	

666	pR	60	5	0	306.326994	-0.000094	.000200	.	v	.
667	pR	61	5	0	307.093686	-0.000206	.000200	.	x.	.
668	pR	62	5	0	307.861898	-0.000037	.000300	.	v	.
669	pR	63	5	0	308.630900	-0.000311	.000300	.	x.	.
670	pR	64	5	0	309.401750	.000035	.000200	.	v	.
671	pR	65	5	0	310.173439	-0.000002	.000200	.	v	.
672	pR	66	5	0	310.946718	.000335	.000500	.	.v	.
673	pR	67	5	0	311.721051	.000518	.001000	.	.v	.
674	pR	68	5	0	312.495784	-0.000101	.000200	.	v.	.
675	pR	69	5	0	313.272252	-0.000180	.000200	.	v.	.
676	pP	6	6	0	257.987447	-0.000080	.000200	.	v	.
677	pP	7	6	0	257.332884	-0.000070	.000200	.	v	.
678	pP	8	6	0	256.680828	-0.000074	.000200	.	v	.
679	pP	9	6	0	256.031262	-0.000076	.000200	.	v	.
680	pP	10	6	0	255.384150	-0.000072	.000200	.	v	.
681	pP	11	6	0	254.739439	-0.000071	.000200	.	v	.
682	pP	12	6	0	254.096883	-0.000273	.000200	.	x.	.
683	pP	13	6	0	253.457006	-0.000100	.000200	.	v.	.
684	pP	14	6	0	252.819311	.000006	.000200	.	v	.
685	pP	15	6	0	252.183683	-0.000011	.000200	.	v	.
686	pP	16	6	0	251.550093	-0.000118	.000200	.	v.	.
687	pP	17	6	0	250.918767	-0.000025	.000200	.	v	.
688	pP	18	6	0	250.289299	-0.000074	.000200	.	v	.
689	pP	19	6	0	249.661952	.000063	.000200	.	v	.
690	pP	20	6	0	249.036270	-0.000007	.000200	.	v	.
691	pP	21	6	0	248.412423	-0.000050	.000200	.	v	.
692	pP	22	6	0	247.790403	-0.000014	.000200	.	v	.
693	pP	23	6	0	247.169991	-0.000064	.000200	.	v	.
694	pP	24	6	0	246.551273	-0.000060	.000200	.	v	.
695	pP	25	6	0	245.934172	-0.000032	.000200	.	v	.
696	pP	26	6	0	245.318693	.000067	.000200	.	v	.
697	pP	27	6	0	244.704549	-0.000014	.000200	.	v	.
698	pP	28	6	0	244.092043	.000059	.000200	.	v	.
699	pP	29	6	0	243.480858	-0.000006	.000200	.	v	.
700	pP	30	6	0	242.871176	-0.000008	.000200	.	v	.
701	pP	31	6	0	242.262934	.000004	.000200	.	v	.
702	pP	32	6	0	241.656051	-0.000041	.000200	.	v	.
703	pP	33	6	0	241.050670	.000005	.000200	.	v	.
704	pP	34	6	0	240.446657	.000007	.000200	.	v	.
705	pP	35	6	0	239.844053	.000005	.000200	.	v	.
706	pP	36	6	0	239.242900	.000035	.000200	.	v	.
707	pP	37	6	0	238.643109	.000000	.000200	.	v	.
708	pP	38	6	0	238.044830	.000041	.000200	.	v	.
709	pP	39	6	0	237.447930	.000013	.000200	.	v	.
710	pP	40	6	0	236.852561	.000058	.000200	.	v	.
711	pP	41	6	0	236.258603	.000041	.000200	.	v	.
712	pP	42	6	0	235.666136	.000029	.000200	.	v	.
713	pP	43	6	0	235.075167	.000016	.000200	.	v	.
714	pP	44	6	0	234.485725	.000019	.000200	.	v	.
715	pP	45	6	0	233.897805	.000017	.000200	.	v	.
716	pP	46	6	0	233.311530	.000122	.000200	.	.v	.
717	pP	47	6	0	232.726613	.000034	.000200	.	v	.
718	pP	48	6	0	232.143337	.000024	.000200	.	v	.
719	pP	49	6	0	231.561685	.000064	.000200	.	v	.
720	pP	50	6	0	230.981548	.000033	.000200	.	v	.
721	pP	51	6	0	230.402973	-0.000032	.000200	.	v	.

1	722 pP 52 6 0	229.826094	-0.000006	.000200	. v .
2	723 pP 53 6 0	229.250833	.000023	.000200	. v .
3	724 pP 54 6 0	228.677123	-0.000020	.000200	. v .
4	725 pP 55 6 0	228.105085	-0.000022	.000200	. v .
5	726 pP 56 6 0	227.534691	-0.000018	.000200	. v .
6	727 pP 57 6 0	226.966047	.000090	.000200	. v .
7	728 pP 58 6 0	226.398824	-0.000032	.000200	. v .
8	729 pP 59 6 0	225.833465	.000053	.000200	. v .
9	730 pP 60 6 0	225.269578	-0.000053	.000200	. v .
10	731 pP 61 6 0	224.707603	.000086	.000200	. v .
11	732 pP 62 6 0	224.147098	.000023	.000200	. v .
12	733 pR 15 6 0	273.026871	-0.000029	.000200	. v .
13	734 pR 16 6 0	273.736567	-0.000067	.000200	. v .
14	735 pR 17 6 0	274.448140	-0.000035	.000200	. v .
15	736 pR 18 6 0	275.160026	-0.001424	.002000	v . .
16	737 pR 19 6 0	275.876701	.000311	.000500	. . v .
17	738 pR 20 6 0	276.592579	-0.000349	.000500	. v . .
18	739 pR 21 6 0	277.310957	-0.000043	.000200	. v . .
19	740 pR 22 6 0	278.030525	-0.000021	.000200	. v . .
20	741 pR 23 6 0	278.751161	-0.000351	.000300	. x . .
21	742 pR 24 6 0	279.473773	-0.000075	.000200	. v . .
22	743 pR 25 6 0	280.197135	-0.000375	.000300	. x . .
23	744 pR 26 6 0	280.922249	-0.000212	.000200	. x . .
24	745 pR 27 6 0	281.648625	-0.000042	.000200	. v . .
25	746 pR 28 6 0	282.375666	-0.000437	.000500	. v . .
26	747 pR 29 6 0	283.104848	.000101	.000200	. . v .
27	748 pR 30 6 0	283.834569	-0.000013	.000200	. v . .
28	749 pR 31 6 0	284.565587	-0.000009	.000200	. v . .
29	750 pR 32 6 0	285.297729	-0.000051	.000200	. v . .
30	751 pR 33 6 0	286.031175	.000044	.000200	. v . .
31	752 pR 34 6 0	286.765585	-0.000061	.000200	. v . .
32	753 pR 35 6 0	287.501263	-0.000061	.000200	. v . .
33	754 pR 36 6 0	288.238099	-0.000071	.000200	. v . .
34	755 pR 37 6 0	288.976144	-0.000041	.000200	. v . .
35	756 pR 38 6 0	289.715325	-0.000050	.000200	. v . .
36	757 pR 39 6 0	290.455723	-0.000022	.000200	. v . .
37	758 pR 40 6 0	291.197259	-0.000042	.000200	. v . .
38	759 pR 41 6 0	291.940000	-0.000050	.000200	. v . .
39	760 pR 42 6 0	292.683931	-0.000065	.000200	. v . .
40	761 pR 43 6 0	293.429104	-0.000042	.000200	. v . .
41	762 pR 44 6 0	294.175482	-0.000023	.000200	. v . .
42	763 pR 45 6 0	294.923022	-0.000056	.000200	. v . .
43	764 pR 46 6 0	295.671832	-0.000038	.000200	. v . .
44	765 pR 47 6 0	296.421851	-0.000035	.000200	. v . .
45	766 pR 48 6 0	297.173064	-0.000063	.000200	. v . .
46	767 pR 49 6 0	297.925557	-0.000041	.000200	. v . .
47	768 pR 50 6 0	298.679209	-0.000092	.000200	. v . .
48	769 pR 51 6 0	299.434172	-0.000064	.000200	. v . .
49	770 pR 52 6 0	300.190364	-0.000042	.000200	. v . .
50	771 pR 53 6 0	300.947769	-0.000042	.000200	. v . .
51	772 pR 54 6 0	301.706420	-0.000030	.000200	. v . .
52	773 pR 55 6 0	302.466257	-0.000066	.000200	. v . .
53	774 pR 56 6 0	303.227339	-0.000090	.000200	. v . .
54	775 pR 57 6 0	303.989640	-0.000127	.000200	. v . .
55	776 pR 58 6 0	304.753357	.000024	.000200	. v . .
56	777 pR 59 6 0	305.518076	-0.000049	.000200	. v . .

1	778	pR	60	6	0	306.284049	-.000092	.000200	.	v	.
2	779	pR	61	6	0	307.051271	-.000105	.000200	.	v.	.
3	780	pP	7	7	0	257.241750	-.000087	.000200	.	v	.
4	781	pP	8	7	0	256.589891	-.000109	.000200	.	v.	.
5	782	pP	9	7	0	255.940610	-.000057	.000200	.	v	.
6	783	pP	10	7	0	255.293640	-.000166	.000200	.	v.	.
7	784	pP	11	7	0	254.649531	.000152	.000200	.	.v	.
8	785	pP	12	7	0	254.007031	-.000313	.000200	.	x.	.
9	786	pP	13	7	0	253.367653	-.000005	.000200	.	v	.
10	787	pP	14	7	0	252.730134	-.000137	.000200	.	v.	.
11	788	pP	15	7	0	252.095257	.000126	.000200	.	.v	.
12	789	pP	16	7	0	251.462168	-.000016	.000200	.	v	.
13	790	pP	17	7	0	250.831381	.000007	.000200	.	v	.
14	791	pP	18	7	0	250.202433	-.000209	.000200	.	x.	.
15	792	pP	19	7	0	249.575914	-.000014	.000200	.	v	.
16	793	pP	20	7	0	248.951156	-.000017	.000200	.	v	.
17	794	pP	21	7	0	248.328576	.000259	.000200	.	.x	.
18	795	pP	22	7	0	247.707382	.000079	.000200	.	v	.
19	796	pP	23	7	0	247.088085	.000011	.000200	.	v	.
20	797	pP	24	7	0	246.470688	.000112	.000200	.	.v	.
21	798	pP	25	7	0	245.854814	.000056	.000200	.	v	.
22	799	pP	26	7	0	245.240325	-.000248	.000200	.	x.	.
23	800	pP	27	7	0	244.627928	-.000051	.000200	.	v	.
24	801	pP	28	7	0	244.016821	-.000115	.000200	.	v.	.
25	802	pP	29	7	0	243.407343	-.000070	.000200	.	v	.
26	803	pP	30	7	0	242.799230	-.000150	.000200	.	v.	.
27	804	pP	31	7	0	242.192706	-.000107	.000200	.	v.	.
28	805	pP	32	7	0	241.587705	.000012	.000200	.	v	.
29	806	pP	33	7	0	240.984032	.000025	.000200	.	v	.
30	807	pP	34	7	0	240.381714	-.000030	.000200	.	v	.
31	808	pP	35	7	0	239.780978	.000081	.000200	.	v	.
32	809	pP	36	7	0	239.181502	.000037	.000200	.	v	.
33	810	pP	37	7	0	238.583430	-.000017	.000200	.	v	.
34	811	pP	38	7	0	237.986930	.000084	.000200	.	v	.
35	812	pP	39	7	0	237.391686	.000017	.000200	.	v	.
36	813	pP	40	7	0	236.797957	.000035	.000200	.	v	.
37	814	pP	41	7	0	236.205561	-.000053	.000200	.	v	.
38	815	pP	42	7	0	235.614795	.000040	.000200	.	v	.
39	816	pP	43	7	0	235.025337	-.000019	.000200	.	v	.
40	817	pP	44	7	0	234.437486	.000058	.000200	.	v	.
41	818	pP	45	7	0	233.850962	-.000022	.000200	.	v	.
42	819	pP	46	7	0	233.266115	.000080	.000200	.	v	.
43	820	pP	47	7	0	232.682554	-.000039	.000200	.	v	.
44	821	pP	48	7	0	232.100768	.000098	.000200	.	v	.
45	822	pP	49	7	0	231.520270	-.000008	.000200	.	v	.
46	823	pP	50	7	0	230.941458	.000029	.000200	.	v	.
47	824	pP	51	7	0	230.364033	-.000100	.000200	.	v	.
48	825	pP	52	7	0	229.788587	.000186	.000200	.	.v	.
49	826	pP	53	7	0	229.214280	.000038	.000200	.	v	.
50	827	pP	54	7	0	228.641648	-.000020	.000200	.	v	.
51	828	pP	55	7	0	228.070524	-.000162	.000200	.	v.	.
52	829	pP	56	7	0	227.501343	.000037	.000200	.	v	.
53	830	pP	57	7	0	226.933671	.000137	.000200	.	.v	.
54	831	pP	58	7	0	226.367282	-.000098	.000200	.	v	.
55	832	pP	59	7	0	225.802836	-.000014	.000200	.	v	.
56	833	pP	60	7	0	225.239905	-.000044	.000200	.	v	.

1	834 pP 61 7 0	224.678963	.000277	.001000	.	.v	.	
2	835 pP 62 7 0	224.119258	.000194	.001000	.	.v	.	
3	836 pP 63 7 0	223.560716	-.000373	.000200	.	x	.	
4	837 pP 64 7 0	223.004313	-.000453	.000200	.	*	.	
5	838 pR 31 7 0	284.486354	-.000066	.000200	.	v	.	
6	839 pR 32 7 0	285.219755	-.000235	.000200	.	x.	.	
7	840 pR 33 7 0	285.954797	.000067	.000200	.	v	.	
8	841 pR 34 7 0	286.690517	-.000113	.000200	.	v.	.	
9	842 pR 35 7 0	287.427652	-.000032	.000200	.	v	.	
10	843 pR 36 7 0	288.166060	.000172	.000300	.	.v	.	
11	844 pR 37 7 0	288.905206	-.000034	.000200	.	v	.	
12	845 pR 38 7 0	289.646091	.000353	.000500	.	.v	.	
13	846 pR 39 7 0	290.387294	-.000092	.000200	.	v	.	
14	847 pR 40 7 0	291.130043	-.000141	.000200	.	v.	.	
15	848 pR 41 7 0	291.874657	.000519	.001000	.	.v	.	
16	849 pR 42 7 0	292.619525	.000275	.000500	.	.v	.	
17	850 pR 43 7 0	293.365433	-.000093	.000200	.	v	.	
18	851 pR 44 7 0	294.112936	-.000033	.000200	.	v	.	
19	852 pR 45 7 0	294.861556	-.000029	.000200	.	v	.	
20	853 pR 46 7 0	295.611430	.000052	.000200	.	v	.	
21	854 pR 47 7 0	296.362275	-.000078	.000200	.	v	.	
22	855 pR 48 7 0	297.114437	-.000076	.000200	.	v	.	
23	856 pR 49 7 0	297.867835	-.000027	.000200	.	v	.	
24	857 pR 50 7 0	298.622358	-.000045	.000200	.	v	.	
25	858 pR 51 7 0	299.378201	.000063	.000200	.	v	.	
26	859 pR 52 7 0	300.134953	-.000118	.000200	.	v.	.	
27	860 pR 53 7 0	300.893249	.000047	.000200	.	v	.	
28	861 pR 54 7 0	301.652522	-.000011	.000200	.	v	.	
29	862 pR 55 7 0	302.413194	.000129	.000200	.	.v	.	
30	863 pR 56 7 0	303.174727	-.000070	.000200	.	v	.	
31	864 pR 57 7 0	303.937623	-.000105	.000200	.	v.	.	
32	865 pR 58 7 0	304.701690	-.000169	.000200	.	v.	.	
33	866 pR 59 7 0	305.466998	-.000190	.000200	.	v.	.	
34	867 pP 8 8 0	256.496718	-.000134	.000200	.	v.	.	
35	868 pP 9 8 0	255.847684	-.000083	.000200	.	v	.	
36	869 pP 10 8 0	255.201186	.000016	.000200	.	v	.	
37	870 pP 11 8 0	254.556784	-.000244	.000200	.	x.	.	
38	871 pP 12 8 0	253.915535	.000229	.000500	.	.v	.	
39	872 pP 13 8 0	253.275680	-.000283	.000200	.	x.	.	
40	873 pP 14 8 0	252.638981	.000023	.000200	.	v	.	
41	874 pP 15 8 0	252.004479	.000235	.000300	.	.v	.	
42	875 pP 16 8 0	251.371708	-.000064	.000200	.	v	.	
43	876 pP 17 8 0	250.741355	-.000138	.000200	.	v.	.	
44	877 pP 18 8 0	250.113325	-.000027	.000200	.	v	.	
45	878 pP 19 8 0	249.487137	-.000159	.000200	.	v.	.	
46	879 pP 20 8 0	248.863327	.000057	.000200	.	v	.	
47	880 pP 21 8 0	248.240676	-.000542	.001000	.	v	.	
48	881 pP 22 8 0	247.620845	-.000239	.000300	.	v.	.	
49	882 pP 23 8 0	247.003037	.000223	.000200	.	.x	.	
50	883 pP 24 8 0	246.386653	.000299	.000300	.	.v	.	
51	884 pP 25 8 0	245.771237	-.000417	.000500	.	v.	.	
52	885 pP 26 8 0	245.158719	.000055	.000200	.	v	.	
53	886 pP 27 8 0	244.547665	.000327	.000300	.	.x	.	
54	887 pP 28 8 0	243.937848	.000213	.000200	.	.x	.	
55	888 pP 29 8 0	243.329263	-.000251	.000300	.	v.	.	
56	889 pP 30 8 0	242.723022	.000079	.000200	.	v	.	

3	946 pR 58 8 0	304.642689	-.000053	.000200	. v .
4	947 pR 59 8 0	305.408274	-.000378	.000200	. x .
5	948 pR 60 8 0	306.175523	-.000208	.000200	. x .
6	949 pP 9 9 0	255.750449	-.000154	.000200	. v .
7	950 pP 10 9 0	255.104099	-.000192	.000200	. v .
8	951 pP 11 9 0	254.460301	-.000150	.000200	. v .
9	952 pP 13 9 0	253.179902	-.000155	.000200	. v .
10	953 pP 14 9 0	252.543285	-.000144	.000200	. v .
11	954 pP 15 9 0	251.909063	-.000064	.000200	. v .
12	955 pP 16 9 0	251.277127	.000019	.000200	. v .
13	956 pP 17 9 0	250.648150	.000825	.002000	. . v
14	957 pP 18 9 0	250.019685	-.000046	.000200	. v .
15	958 pP 19 9 0	249.394099	-.000176	.000200	. v .
16	959 pP 20 9 0	248.770405	-.000503	.000500	. x .
17	960 pP 21 9 0	248.149363	-.000214	.000200	. x .
18	961 pP 22 9 0	247.530107	-.000122	.000200	. v .
19	962 pP 23 9 0	246.912771	-.000043	.000200	. v .
20	963 pP 24 9 0	246.297449	.000170	.000200	. v .
21	964 pP 25 9 0	245.683734	.000160	.000200	. v .
22	965 pP 26 9 0	245.071488	-.000162	.000200	. v .
23	966 pP 27 9 0	244.461357	-.000103	.000200	. v .
24	967 pP 28 9 0	243.852934	-.000026	.000200	. v .
25	968 pP 29 9 0	243.246005	-.000102	.000200	. v .
26	969 pP 30 9 0	242.642465	.001601	.002000	. . . v
27	970 pP 31 9 0	242.037180	-.000016	.000200	. v .
28	971 pP 32 9 0	241.435002	-.000068	.000200	. v .
29	972 pP 33 9 0	240.834419	-.000039	.000200	. v .
30	973 pP 34 9 0	240.235303	-.000035	.000200	. v .
31	974 pP 35 9 0	239.637626	-.000061	.000200	. v .
32	975 pP 36 9 0	239.041615	.000125	.000200	. v .
33	976 pP 37 9 0	238.446726	-.000008	.000200	. v .
34	977 pP 38 9 0	237.853508	.000101	.000200	. v .
35	978 pP 39 9 0	237.261457	-.000047	.000200	. v .
36	979 pP 40 9 0	236.671050	.000031	.000200	. v .
37	980 pP 41 9 0	236.081942	-.000010	.000200	. v .
38	981 pP 42 9 0	235.494208	-.000095	.000200	. v .
39	982 pP 43 9 0	234.908066	-.000008	.000200	. v .
40	983 pP 44 9 0	234.323206	-.000065	.000200	. v .
41	984 pP 45 9 0	233.739851	-.000046	.000200	. v .
42	985 pP 46 9 0	233.158043	.000082	.000200	. v .
43	986 pP 47 9 0	232.577390	-.000081	.000200	. v .
44	987 pP 48 9 0	231.998496	.000062	.000200	. v .
45	988 pP 49 9 0	231.420844	-.000017	.000200	. v .
46	989 pP 50 9 0	230.844848	.000088	.000200	. v .
47	990 pP 51 9 0	230.270222	.000081	.000200	. v .
48	991 pP 52 9 0	229.697129	.000114	.000200	. v .
49	992 pP 53 9 0	229.125408	.000017	.000200	. v .
50	993 pP 54 9 0	228.555138	-.000140	.000200	. v .
51	994 pP 55 9 0	227.986579	-.000109	.000200	. v .
52	995 pP 56 9 0	227.419687	.000059	.000200	. v .
53	996 pP 57 9 0	226.854356	.000247	.000500	. v .
54	997 pR 27 9 0	281.375651	-.000106	.000200	. v .
55	998 pR 28 9 0	282.106224	-.000115	.000200	. v .
56	999 pR 29 9 0	282.838373	.000091	.000200	. v .
57	1000 pR 30 9 0	283.571341	-.000207	.000200	. x .
58	1001 pR 31 9 0	284.304190	-.001911	.002000	v . .

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2									
3	1002	pR	32	9	0	285.041732	-0.000177	.000200	. v. .
4	1003	pR	33	9	0	285.777357	-0.001588	.002000	v. . .
5	1004	pR	34	9	0	286.517106	-0.000080	.000200	. v. .
6	1005	pR	35	9	0	287.256563	-0.000047	.000200	. v. .
7	1006	pR	36	9	0	287.997137	-0.000063	.000200	. v. .
8	1007	pR	37	9	0	288.738856	-0.000085	.000200	. v. .
9	1008	pR	38	9	0	289.481661	-0.000163	.000200	. v. .
10	1009	pR	39	9	0	290.225713	-0.000124	.000200	. v. .
11	1010	pR	40	9	0	290.970921	-0.000054	.000200	. v. .
12	1011	pR	41	9	0	291.717147	-0.000087	.000200	. v. .
13	1012	pR	42	9	0	292.464545	-0.000064	.000200	. v. .
14	1013	pR	43	9	0	293.213027	-0.000072	.000200	. v. .
15	1014	pR	44	9	0	293.962922	.000218	.000500	. v. .
16	1015	pR	45	9	0	294.713789	.000364	.000500	. v. .
17	1016	pR	46	9	0	295.465476	.000213	.000500	. v. .
18	1017	pR	47	9	0	296.218230	.000011	.000200	. v. .
19	1018	pR	48	9	0	296.972193	-0.000102	.000200	. v. .
20	1019	pR	49	9	0	297.727434	-0.000061	.000200	. v. .
21	1020	pR	50	9	0	298.483740	-0.000081	.000200	. v. .
22	1021	pR	51	9	0	299.241192	-0.000082	.000200	. v. .
23	1022	pR	52	9	0	299.999829	-0.000030	.000200	. v. .
24	1023	pR	53	9	0	300.759553	-0.000023	.000200	. v. .
25	1024	pR	54	9	0	301.520376	-0.000053	.000200	. v. .
26	1025	pR	55	9	0	302.282304	-0.000114	.000200	. v. .
27	1026	pR	56	9	0	303.045235	-0.000310	.000200	. x. .
28	1027	pP	10	10	0	254.985736	-0.000076	.000200	. v. .
29	1028	pP	11	10	0	254.342277	-0.000094	.000200	. v. .
30	1029	pP	12	10	0	253.700779	-0.000615	.000500	. x. .
31	1030	pP	14	10	0	252.425839	-0.000872	.001000	. v. .
32	1031	pP	22	10	0	247.419208	.000097	.000200	. v. .
33	1032	pP	23	10	0	246.801814	-0.000856	.001000	. v. .
34	1033	pP	34	10	0	240.140560	.000054	.000200	. v. .
35	1034	pP	35	10	0	239.544717	.000117	.000200	. v. .
36	1035	pP	36	10	0	238.950507	.000322	.000500	. v. .
37	1036	pP	37	10	0	238.356969	-0.000273	.000200	. x. .
38	1037	pP	38	10	0	237.765524	-0.000229	.000200	. x. .
39	1038	pP	39	10	0	237.175543	-0.000163	.000200	. v. .
40	1039	pP	40	10	0	236.586929	-0.000161	.000200	. v. .
41	1040	pP	41	10	0	236.000309	.000411	.000500	. v. .
42	1041	pP	42	10	0	235.411688	-0.002437	.003000	v. . .
43	1042	pP	43	10	0	234.829336	-0.000431	.000500	. v. .
44	1043	pP	44	10	0	234.247270	.000045	.001000	. v. .
45	1044	pP	45	10	0	233.665333	.000034	.000200	. v. .
46	1045	pP	46	10	0	233.085220	.000028	.000200	. v. .
47	1046	pP	47	10	0	232.506188	-0.000321	.000500	. v. .
48	1047	pP	48	10	0	231.929138	-0.000117	.000500	. v. .
49	1048	pP	49	10	0	231.353742	.000306	.000500	. v. .
50	1049	pP	50	10	0	230.779455	.000396	.000500	. v. .
51	1050	pP	51	10	0	230.206082	-0.000052	.000200	. v. .
52	1051	pP	52	10	0	229.634798	.000131	.000200	. v. .
53	1052	pP	53	10	0	229.064861	.000194	.000200	. v. .
54	1053	pP	54	10	0	228.495938	-0.000206	.000200	. x. .
55	1054	pP	55	10	0	227.929046	-0.000061	.000500	. v. .
56	1055	pP	56	10	0	227.363511	-0.000052	.000200	. v. .
57	1056	pP	57	10	0	226.799425	-0.000098	.000200	. v. .
58	1057	pP	59	10	0	225.676226	.000239	.000500	. v. .
59									
60									

1	1058	pP	60	10	0	225.116898	.000390	.001000	. . v .
2	1059	pP	61	10	0	224.558442	-.000125	.000200	. v. .
3	1060	pP	62	10	0	224.002225	.000055	.000500	. v .
4	1061	pP	63	10	0	223.447285	-.000040	.000500	. v .
5	1062	pR	29	10	0	282.720728	-.000608	.001000	. v .
6	1063	pR	30	10	0	283.455291	-.000367	.001000	. v .
7	1064	pR	31	10	0	284.191491	.000167	.000200	. .v .
8	1065	pR	32	10	0	284.926990	-.001307	.002000	v. . .
9	1066	pR	33	10	0	285.665462	-.001083	.002000	v . .
10	1067	pR	34	10	0	286.405561	-.000475	.001000	. v .
11	1068	pR	35	10	0	287.146833	.000088	.000200	. v .
12	1069	pR	36	10	0	287.888486	-.000161	.000500	. v. .
13	1070	pR	37	10	0	288.631726	.000005	.000200	. v .
14	1071	pR	38	10	0	289.376222	.000271	.000200	. .x .
15	1072	pR	39	10	0	290.121076	-.000245	.000500	. v. .
16	1073	pR	40	10	0	290.868024	.000205	.000200	. .x .
17	1074	pR	41	10	0	291.615920	.000485	.000500	. . v .
18	1075	pR	42	10	0	292.365968	.001807	.002000	. . . v
19	1076	pR	43	10	0	293.117387	.003396	.003000	. . . x
20	1077	pR	44	10	0	293.865903	.000983	.001000	. . v
21	1078	pR	45	10	0	294.617091	.000144	.000200	. .v .
22	1079	pR	46	10	0	295.369988	-.000080	.000500	. v .
23	1080	pR	47	10	0	296.124025	-.000257	.000500	. v. .
24	1081	pR	48	10	0	296.878374	-.001217	.002000	v. . .
25	1082	pR	49	10	0	297.636181	.000188	.000200	. .v .
26	1083	pR	50	10	0	298.393098	-.000394	.001000	. v .
27	1084	pR	51	10	0	299.151953	-.000133	.000200	. v. .
28	1085	pR	52	10	0	299.910345	-.001434	.002000	v. . .
29	1086	pR	53	10	0	300.672581	.000009	.000200	. v .
30	1087	pR	54	10	0	301.434435	-.000032	.000200	. v .
31	1088	pR	55	10	0	302.197006	-.000458	.000500	. v . .
32	1089	pR	56	10	0	302.962330	.000764	.002000	. . v .
33	1090	pP	37	11	0	238.367509	-.000550	.000500	. x . .
34	1091	pP	38	11	0	237.777972	.000277	.000500	. v . .
35	1092	pP	39	11	0	237.188889	.000077	.000200	. v . .
36	1093	pP	40	11	0	236.601244	-.000158	.000200	. v. . .
37	1094	pP	41	11	0	236.017863	.002405	.003000	. . . v
38	1095	pP	42	11	0	235.430472	-.000503	.000500	. x . .
39	1096	pP	43	11	0	234.847806	-.000148	.000200	. v. .
40	1097	pP	44	11	0	234.265972	-.000423	.000500	. v. .
41	1098	pP	45	11	0	233.686355	.000052	.000200	. v .
42	1099	pP	46	11	0	233.107483	-.000201	.000200	. x. .
43	1100	pP	47	11	0	232.530276	-.000272	.000200	. x. .
44	1101	pP	48	11	0	231.953616	-.001289	.005000	v. . .
45	1102	pP	49	11	0	231.381780	.001011	.001000	. . x
46	1103	pP	50	11	0	230.808147	-.000009	.000200	. v . .
47	1104	pP	51	11	0	230.237475	.000391	.000500	. . v .
48	1105	pP	52	11	0	229.667844	.000271	.000500	. v .
49	1106	pP	53	11	0	229.099565	-.000083	.000200	. v .
50	1107	pP	54	11	0	228.532844	-.000490	.001000	. v . .
51	1108	pP	55	11	0	227.969436	.000772	.001000	. . v. .
52	1109	pP	56	11	0	227.405882	.000208	.000200	. x . .
53	1110	pP	57	11	0	226.844334	-.000072	.000200	. v .
54	1111	pP	58	11	0	226.283945	-.000967	.001000	v . .
55	1112	pP	59	11	0	225.727530	.000274	.000500	. .v .
56	1113	pP	60	11	0	225.170366	-.001148	.001000	x. . .

1	1114 pP 61 11 0	224.617926	.000138	.001000	. . v .
2	1115 pP 62 11 0	224.064633	-.001576	.001000	x . . .
3	1116 pP 14 12 0	252.295752	-.000661	.001000	. v . .
4	1117 pP 15 12 0	251.662749	-.000525	.001000	. v . .
5	1118 pP 17 12 0	250.404932	.000920	.001000	. . v
6	1119 pP 18 12 0	249.778046	.000230	.000200	. . x .
7	1120 pP 19 12 0	249.153521	-.000335	.001000	. v . .
8	1121 pP 20 12 0	248.531719	-.000373	.001000	. v . .
9	1122 pP 21 12 0	247.912747	.000266	.000200	. . x .
10	1123 pP 23 12 0	246.680109	.000569	.000500	. . x .
11	1124 pP 24 12 0	246.066797	.000677	.000500	. . x .
12	1125 pP 27 12 0	244.237488	-.000035	.000200	. v .
13	1126 pP 28 12 0	243.631624	-.000104	.000200	. v . .
14	1127 pP 29 12 0	243.027514	-.000217	.000200	. x . .
15	1128 pP 30 12 0	242.425748	.000259	.000200	. . x .
16	1129 rP 2 0 0	261.148011	-.000113	.000200	. v . .
17	1130 rP 3 0 0	260.480755	-.000133	.000200	. v . .
18	1131 rP 4 0 0	259.815263	-.000105	.000200	. v . .
19	1132 rP 5 0 0	259.151484	-.000083	.000200	. v . .
20	1133 rP 6 0 0	258.489412	-.000076	.000200	. v . .
21	1134 rP 7 0 0	257.829051	-.000083	.000200	. v . .
22	1135 rP 8 0 0	257.170407	-.000103	.000200	. v . .
23	1136 rP 9 0 0	256.513522	-.000095	.000200	. v . .
24	1137 rP 10 0 0	255.858362	-.000098	.000200	. v . .
25	1138 rP 11 0 0	255.204945	-.000096	.000200	. v . .
26	1139 rP 12 0 0	254.553277	-.000085	.000200	. v . .
27	1140 rP 13 0 0	253.903605	.000178	.000300	. . v .
28	1141 rP 14 0 0	253.255194	-.000044	.000200	. v . .
29	1142 rP 15 0 0	252.608710	-.000089	.000200	. v . .
30	1143 rP 16 0 0	251.964059	-.000051	.000200	. v . .
31	1144 rP 17 0 0	251.321093	-.000083	.000200	. v . .
32	1145 rP 18 0 0	250.679847	-.000151	.000200	. v . .
33	1146 rP 19 0 0	250.040515	-.000063	.000200	. v . .
34	1147 rP 20 0 0	249.402933	.000014	.000200	. v . .
35	1148 rP 21 0 0	248.766911	-.000111	.000200	. v . .
36	1149 rP 22 0 0	248.132909	.000019	.000200	. v . .
37	1150 rP 23 0 0	247.500504	-.000021	.000200	. v . .
38	1151 rP 24 0 0	246.869915	-.000012	.000200	. v . .
39	1152 rP 25 0 0	246.241057	-.000043	.000200	. v . .
40	1153 rP 26 0 0	245.613815	-.000230	.000300	. v . .
41	1154 rP 27 0 0	244.988725	-.000038	.000200	. v . .
42	1155 rP 28 0 0	244.364988	-.000268	.000300	. v . .
43	1156 rP 29 0 0	243.743560	.000036	.000200	. v . .
44	1157 rP 30 0 0	243.123541	-.000029	.000200	. v . .
45	1158 rP 31 0 0	242.505373	-.000022	.000200	. v . .
46	1159 rP 32 0 0	241.888975	-.000024	.000200	. v . .
47	1160 rP 33 0 0	241.274358	-.000026	.000200	. v . .
48	1161 rP 34 0 0	240.661546	-.000005	.000200	. v . .
49	1162 rP 35 0 0	240.050478	-.000022	.000200	. v . .
50	1163 rP 36 0 0	239.441202	-.000030	.000200	. v . .
51	1164 rP 37 0 0	238.833729	-.000020	.000200	. v . .
52	1165 rP 38 0 0	238.228031	-.000019	.000200	. v . .
53	1166 rP 39 0 0	237.624109	-.000027	.000200	. v . .
54	1167 rP 40 0 0	237.021932	-.000075	.000200	. v . .
55	1168 rP 41 0 0	236.421626	-.000039	.000200	. v . .
56	1169 rP 42 0 0	235.823064	-.000044	.000200	. v . .

1	1170 rP 43 0 0	235.226315	-0.000023	.000200	. v .
2	1171 rP 44 0 0	234.631333	-0.000021	.000200	. v .
3	1172 rP 45 0 0	234.038143	-0.000014	.000200	. v .
4	1173 rP 46 0 0	233.446705	-0.000041	.000200	. v .
5	1174 rP 47 0 0	232.857058	-0.000063	.000200	. v .
6	1175 rP 48 0 0	232.269234	-0.000048	.000200	. v .
7	1176 rP 49 0 0	231.683208	-0.000021	.000200	. v .
8	1177 rP 50 0 0	231.098904	-0.000057	.000200	. v .
9	1178 rP 51 0 0	230.516464	-0.000014	.000200	. v .
10	1179 rP 52 0 0	229.935741	-0.000039	.000200	. v .
11	1180 rP 53 0 0	229.356784	-0.000080	.000200	. v .
12	1181 rP 54 0 0	228.779631	-0.000101	.000200	. v .
13	1182 rP 55 0 0	228.204214	-0.000168	.000200	. v .
14	1183 rP 56 0 0	227.630763	-0.000049	.000200	. v .
15	1184 rP 57 0 0	227.058948	-0.000076	.000200	. v .
16	1185 rP 58 0 0	226.488933	-0.000081	.000200	. v .
17	1186 rP 59 0 0	225.920815	.000033	.000200	. v .
18	1187 rP 60 0 0	225.354969	.000641	.001000	. . v .
19	1188 rP 61 0 0	224.789643	-0.000005	.000200	. v .
20	1189 rP 62 0 0	224.226564	-0.000179	.000200	. v .
21	1190 rP 63 0 0	223.665440	-0.000171	.000200	. v .
22	1191 rP 64 0 0	223.106068	-0.000183	.000300	. v .
23	1192 rP 65 0 0	222.548579	-0.000080	.000200	. v .
24	1193 rP 66 0 0	221.992173	-0.000663	.001000	. v .
25	1194 rP 67 0 0	221.438642	-0.000138	.000200	. v .
26	1195 rP 68 0 0	220.886077	-0.000410	.000300	. x .
27	1196 rP 69 0 0	220.334281	-0.001677	.002000	v . .
28	1197 rP 70 0 0	219.787139	-0.000050	.000200	. v .
29	1198 rP 71 0 0	219.239949	-0.000229	.000200	. x .
30	1199 rP 72 0 0	218.694975	.000051	.000500	. v .
31	1200 rP 73 0 0	218.150844	-0.000580	.000300	. x .
32	1201 rP 74 0 0	217.608995	-0.000681	.000500	. x .
33	1202 rP 75 0 0	217.069172	-0.000506	.000300	. x .
34	1203 rR 0 0 0	263.161923	.001836	.002000	. . . v
35	1204 rR 1 0 0	263.835509	.001361	.002000	. . . v
36	1205 rR 2 0 0	264.509768	-0.000137	.000200	. v .
37	1206 rR 3 0 0	265.187464	.000109	.000200	. . v .
38	1207 rR 4 0 0	265.866021	-0.000473	.000500	. v .
39	1208 rR 5 0 0	266.547275	-0.000042	.000200	. v .
40	1209 rR 6 0 0	267.229741	-0.000079	.000200	. v .
41	1210 rR 7 0 0	267.913864	-0.000134	.000200	. v .
42	1211 rR 8 0 0	268.599837	-0.000011	.000200	. v .
43	1212 rR 9 0 0	269.287293	-0.000071	.000200	. v .
44	1213 rR 10 0 0	269.976476	-0.000067	.000200	. v .
45	1214 rR 11 0 0	270.667366	-0.000012	.000200	. v .
46	1215 rR 12 0 0	271.359813	-0.000053	.000200	. v .
47	1216 rR 13 0 0	272.053855	-0.000147	.000200	. v .
48	1217 rR 14 0 0	272.749483	-0.000296	.000300	. v .
49	1218 rR 15 0 0	273.447147	-0.000048	.000200	. v .
50	1219 rR 16 0 0	274.146170	-0.000072	.000200	. v .
51	1220 rR 17 0 0	274.846882	-0.000035	.000200	. v .
52	1221 rR 18 0 0	275.548954	-0.000259	.000300	. v .
53	1222 rR 19 0 0	276.253064	-0.000061	.000200	. v .
54	1223 rR 20 0 0	276.958525	-0.000122	.000200	. v .
55	1224 rR 21 0 0	277.665834	.000059	.000200	. v .
56	1225 rR 22 0 0	278.374406	-0.000096	.000200	. v .

1226	rR	23	0	0	279.084901	.000079	.000200	.	v	.
1227	rR	24	0	0	279.796682	-.000048	.000200	.	v	.
1228	rR	25	0	0	280.510134	-.000085	.000200	.	v	.
1229	rR	26	0	0	281.225201	-.000083	.000200	.	v	.
1230	rR	27	0	0	281.941859	-.000060	.000200	.	v	.
1231	rR	28	0	0	282.660049	-.000067	.000200	.	v	.
1232	rR	29	0	0	283.379779	-.000091	.000200	.	v	.
1233	rR	30	0	0	284.101075	-.000100	.000200	.	v.	.
1234	rR	31	0	0	284.823927	-.000097	.000200	.	v	.
1235	rR	32	0	0	285.548273	-.000136	.000200	.	v.	.
1236	rR	33	0	0	286.274234	-.000092	.000200	.	v	.
1237	rR	34	0	0	287.001673	-.000093	.000200	.	v	.
1238	rR	35	0	0	287.730614	-.000110	.000200	.	v.	.
1239	rR	36	0	0	288.461160	-.000031	.000200	.	v	.
1240	rR	37	0	0	289.193066	-.000096	.000200	.	v	.
1241	rR	38	0	0	289.926533	-.000095	.000200	.	v	.
1242	rR	39	0	0	290.661481	-.000103	.000200	.	v.	.
1243	rR	40	0	0	291.397931	-.000090	.000200	.	v	.
1244	rR	41	0	0	292.135843	-.000089	.000200	.	v	.
1245	rR	42	0	0	292.875210	-.000100	.000200	.	v.	.
1246	rR	43	0	0	293.616036	-.000111	.000200	.	v.	.
1247	rR	44	0	0	294.358328	-.000108	.000200	.	v.	.
1248	rR	45	0	0	295.102052	-.000117	.000200	.	v.	.
1249	rR	46	0	0	295.847216	-.000123	.000200	.	v.	.
1250	rR	47	0	0	296.593824	-.000112	.000200	.	v.	.
1251	rR	48	0	0	297.341855	-.000100	.000200	.	v	.
1252	rR	49	0	0	298.091285	-.000100	.000200	.	v.	.
1253	rR	50	0	0	298.842146	-.000074	.000200	.	v	.
1254	rR	51	0	0	299.594360	-.000092	.000200	.	v	.
1255	rR	52	0	0	300.347979	-.000092	.000200	.	v	.
1256	rR	53	0	0	301.102983	-.000087	.000200	.	v	.
1257	rR	54	0	0	301.859729	.000289	.000500	.	v	.
1258	rR	55	0	0	302.617078	-.000096	.000200	.	v	.
1259	rR	56	0	0	303.376152	-.000109	.000200	.	v.	.
1260	rR	57	0	0	304.136631	-.000063	.000200	.	v	.
1261	rR	58	0	0	304.898419	-.000045	.000200	.	v	.
1262	rR	59	0	0	305.661466	-.000096	.000200	.	v	.
1263	rR	60	0	0	306.425854	-.000125	.000200	.	v.	.
1264	rR	61	0	0	307.191659	-.000048	.000200	.	v	.
1265	rR	62	0	0	307.958728	-.000008	.000200	.	v	.
1266	rR	63	0	0	308.727007	-.000050	.000200	.	v	.
1267	rR	64	0	0	309.496408	-.000253	.000200	.	x.	.
1268	rR	65	0	0	310.267444	-.000096	.000200	.	v	.
1269	rR	66	0	0	311.039675	-.000007	.000200	.	v	.
1270	rR	67	0	0	311.812898	-.000182	.000200	.	v.	.
1271	rR	68	0	0	312.587596	-.000128	.000200	.	v.	.
1272	rR	69	0	0	313.363310	-.000294	.000200	.	x.	.
1273	rR	70	0	0	314.140257	-.000454	.000300	.	x.	.
1274	rQ	1	0	0	262.492446	.001163	.002000	.	.	v
1275	rQ	2	0	0	262.498273	-.000123	.000200	.	v.	.
1276	rQ	3	0	0	262.509289	.000225	.000300	.	v	.
1277	rQ	4	0	0	262.523317	.000029	.000200	.	v	.
1278	rQ	5	0	0	262.540860	-.000205	.000200	.	x.	.
1279	rQ	6	0	0	262.562154	-.000242	.000200	.	x.	.
1280	rQ	7	0	0	262.587175	-.000103	.000200	.	v.	.
1281	rQ	8	0	0	262.615686	-.000025	.000200	.	v	.

1	1282 rQ 9 0 0	262.647361	-0.000330	.000300	. x . .
2	1283 rQ 10 0 0	262.683203	-0.000015	.000200	. v . .
3	1284 rQ 11 0 0	262.722462	.000173	.000200	. .v . .
4	1285 rQ 12 0 0	262.764892	-0.000009	.000200	. v . .
5	1286 rQ 13 0 0	262.810946	-0.000106	.000200	. v. . .
6	1287 rQ 14 0 0	262.860752	.000013	.000200	. v . .
7	1288 rQ 15 0 0	262.913874	-0.000084	.000200	. v . .
8	1289 rQ 16 0 0	262.970882	.000175	.000200	. .v . .
9	1290 rQ 17 0 0	263.030903	-0.000078	.000200	. v . .
10	1291 rQ 18 0 0	263.094579	-0.000198	.000200	. v. . .
11	1292 rQ 19 0 0	263.161923	-0.000167	.000200	. v. . .
12	1293 rQ 20 0 0	263.233660	.000742	.001000	. . v. .
13	1294 rQ 21 0 0	263.307153	-0.000101	.000200	. v. . .
14	1295 rQ 22 0 0	263.385062	-0.000032	.000200	. v . .
15	1296 rQ 23 0 0	263.466399	-0.000034	.000200	. v . .
16	1297 rQ 24 0 0	263.551249	-0.000018	.000200	. v . .
17	1298 rQ 25 0 0	263.639537	-0.000052	.000200	. v . .
18	1299 rQ 26 0 0	263.731204	-0.000190	.000200	. v. . .
19	1300 rQ 27 0 0	263.826541	-0.000136	.000200	. v. . .
20	1301 rQ 28 0 0	263.925362	-0.000069	.000200	. v . .
21	1302 rQ 29 0 0	264.027547	-0.000103	.000200	. v. . .
22	1303 rQ 30 0 0	264.133523	.000195	.000200	. .v . .
23	1304 rQ 31 0 0	264.242695	.000237	.000300	. .v . .
24	1305 rQ 32 0 0	264.354933	-0.000100	.000200	. v . .
25	1306 rQ 33 0 0	264.471227	.000181	.000200	. .v . .
26	1307 rQ 34 0 0	264.590355	-0.000134	.000200	. v. . .
27	1308 rQ 35 0 0	264.712785	-0.000571	.000500	. x . . .
28	1309 rQ 36 0 0	264.839612	-0.000026	.000200	. v . . .
29	1310 rQ 37 0 0	264.969401	.000072	.000200	. v . . .
30	1311 rQ 38 0 0	265.102357	-0.000061	.000200	. v . . .
31	1312 rQ 39 0 0	265.239050	.000151	.000200	. .v . .
32	1313 rQ 40 0 0	265.378659	-0.000104	.000200	. v. . .
33	1314 rQ 41 0 0	265.521944	-0.000056	.000200	. v . .
34	1315 rQ 42 0 0	265.668793	.000190	.000200	. .v . .
35	1316 rQ 43 0 0	265.818439	-0.000123	.000200	. v . . .
36	1317 rQ 44 0 0	265.971787	-0.000081	.000200	. v . . .
37	1318 rQ 45 0 0	266.128373	-0.000138	.000200	. v. . .
38	1319 rQ 46 0 0	266.288381	-0.000100	.000200	. v. . .
39	1320 rQ 47 0 0	266.451574	-0.000196	.000200	. v. . .
40	1321 rQ 48 0 0	266.618581	.000215	.000300	. .v . .
41	1322 rQ 49 0 0	266.788164	-0.000095	.000200	. v . . .
42	1323 rQ 50 0 0	266.961384	-0.000056	.000200	. v . . .
43	1324 rQ 51 0 0	267.137775	-0.000122	.000200	. v. . .
44	1325 rQ 52 0 0	267.317595	-0.000025	.000200	. v . . .
45	1326 rQ 53 0 0	267.500480	-0.000117	.000200	. v. . .
46	1327 rQ 54 0 0	267.686739	-0.000079	.000200	. v . . .
47	1328 rQ 55 0 0	267.876036	-0.000236	.000300	. v. . .
48	1329 rQ 56 0 0	268.068909	-0.000037	.000200	. v . . .
49	1330 rQ 57 0 0	268.264573	-0.000256	.000300	. v. . .
50	1331 rQ 58 0 0	268.463866	-0.000044	.000200	. v . . .
51	1332 rQ 59 0 0	268.664641	-.001535	.002000	v
52	1333 rQ 60 0 0	268.871482	-.000134	.000200	. v. . .
53	1334 rQ 61 0 0	269.079223	-.000993	.001000	v . . .
54	1335 rQ 62 0 0	269.291659	-.000306	.000200	. x . . .
55	1336 rP 5 3 0	259.399339	.000006	.000200	. v . . .
56	1337 rP 6 3 0	258.743624	.001334	.002000	. . . v

1338	rP	7	3	0	258.087954	-0.000112	.000200	.	v.	.
1339	rP	8	3	0	257.436674	-0.000053	.000200	.	v	.
1340	rP	9	3	0	256.788333	-0.000011	.000200	.	v	.
1341	rP	10	3	0	256.143178	.0000178	.000300	.	.v	.
1342	rP	11	3	0	255.500476	-0.000307	.000300	.	x	.
1343	rP	12	3	0	254.861712	-0.000074	.000200	.	v	.
1344	rP	13	3	0	254.225927	-0.000178	.000200	.	v.	.
1345	rP	14	3	0	253.593719	-0.000118	.000200	.	v.	.
1346	rP	15	3	0	252.965072	-0.000005	.000200	.	v	.
1347	rP	16	3	0	252.339887	-0.000029	.000200	.	v	.
1348	rP	17	3	0	251.719247	.000811	.001000	.	.	v.
1349	rP	18	3	0	251.100694	-0.000018	.000200	.	v	.
1350	rP	19	3	0	250.486793	-0.000014	.000200	.	v	.
1351	rP	20	3	0	249.876632	-0.000139	.000200	.	v.	.
1352	rP	21	3	0	249.270962	.000318	.000500	.	.v	.
1353	rP	22	3	0	248.668491	.000037	.000200	.	v	.
1354	rP	23	3	0	248.070306	.000090	.000200	.	v	.
1355	rP	24	3	0	247.475991	.000054	.000200	.	v	.
1356	rP	25	3	0	246.888505	.002889	.003000	.	.	v
1357	rP	26	3	0	246.298965	-0.000280	.000300	.	v.	.
1358	rP	27	3	0	245.716582	-0.000229	.000300	.	v.	.
1359	rP	28	3	0	245.138502	.000205	.000200	.	.x	.
1360	rP	29	3	0	244.564006	.000323	.000500	.	.v	.
1361	rP	30	3	0	243.992981	.000033	.000200	.	v	.
1362	rP	31	3	0	243.426235	.000165	.000200	.	.v	.
1363	rP	32	3	0	242.863190	.000162	.000200	.	.v	.
1364	rR	6	6	0	267.713617	.000022	.000200	.	v	.
1365	rR	7	6	0	268.405264	.000021	.000200	.	v	.
1366	rR	8	6	0	269.099651	-0.000045	.000200	.	v	.
1367	rR	9	6	0	269.796988	-0.000004	.000200	.	v	.
1368	rR	10	6	0	270.497177	-0.000001	.000200	.	v	.
1369	rR	11	6	0	271.200308	.000006	.000200	.	v	.
1370	rR	12	6	0	271.906421	.000004	.000200	.	v	.
1371	rR	13	6	0	272.615556	-0.000020	.000200	.	v	.
1372	rR	14	6	0	273.327968	.000130	.000200	.	.v	.
1373	rR	15	6	0	274.043302	.000041	.000200	.	v	.
1374	rR	16	6	0	274.761884	-0.000021	.000200	.	v	.
1375	rR	17	6	0	275.483817	-0.000012	.000200	.	v	.
1376	rR	18	6	0	276.209080	-0.000011	.000200	.	v	.
1377	rR	19	6	0	276.937837	.000089	.000200	.	v	.
1378	rR	20	6	0	277.669597	-0.000256	.000200	.	x.	.
1379	rR	21	6	0	278.405579	.000122	.000200	.	.v	.
1380	rR	22	6	0	279.144556	-0.000047	.000200	.	v	.
1381	rR	23	6	0	279.887155	-0.000178	.000200	.	v.	.
1382	rR	24	6	0	280.633622	-0.000058	.000200	.	v	.
1383	rR	25	6	0	281.383624	-0.000050	.000200	.	v	.
1384	rR	26	6	0	282.137389	.000052	.000200	.	v	.
1385	rR	27	6	0	282.894636	-0.000049	.000200	.	v	.
1386	rR	28	6	0	283.655675	-0.000053	.000200	.	v	.
1387	rR	29	6	0	284.420395	-0.000078	.000200	.	v	.
1388	rR	30	6	0	285.188930	.000012	.000200	.	v	.
1389	rR	31	6	0	285.960997	-0.000062	.000200	.	v	.
1390	rR	32	6	0	286.736790	-0.000097	.000200	.	v	.
1391	rR	33	6	0	287.516119	-0.000270	.000200	.	x.	.
1392	rR	34	6	0	288.299568	.000020	.000200	.	v	.
1393	rR	35	6	0	289.086251	-0.000096	.000200	.	v	.

1	1394 rR 36 6 0	289.876647	-0.000117	.000200	. v. .
2	1395 rR 37 6 0	290.670656	-0.000122	.000200	. v. .
3	1396 rR 38 6 0	291.468000	-0.000364	.000200	. x. .
4	1397 rR 39 6 0	292.269380	-0.000117	.000200	. v. .
5	1398 rR 40 6 0	293.074150	-0.000002	.000200	. v. .
6	1399 rR 41 6 0	293.882214	-0.000089	.000200	. v. .
7	1400 rR 42 6 0	294.693794	-0.000130	.000200	. v. .
8	1401 rR 43 6 0	295.508845	-0.000143	.000200	. v. .
9	1402 rR 44 6 0	296.327330	-0.000139	.000200	. v. .
10	1403 rR 45 6 0	297.149211	-0.000131	.000200	. v. .
11	1404 rR 46 6 0	297.974866	.000287	.000200	. .x. .
12	1405 rR 47 6 0	298.802619	-0.000536	.000500	. x. .
13	1406 rR 48 6 0	299.634952	-0.000093	.000200	. v. .
14	1407 rR 49 6 0	300.470081	-0.000143	.000200	. v. .
15	1408 rR 50 6 0	301.308531	-0.000136	.000200	. v. .
16	1409 rR 51 6 0	302.149354	-0.000996	.001000	v. . .
17	1410 rR 53 6 0	303.843175	-0.000163	.000200	. v. .
18	1411 rR 54 6 0	304.694397	-0.000200	.000200	. v. .
19	1412 rR 55 6 0	305.548717	-0.000284	.000200	. x. .
20	1413 rR 56 6 0	306.406337	-0.000190	.000200	. v. .
21	1414 rR 57 6 0	307.267067	-0.000087	.000200	. v. .
22	1415 rR 58 6 0	308.130966	.000107	.000200	. .v. .
23	1416 rR 59 6 0	308.997617	-0.000002	.000200	. v. .
24	1417 rR 7 7 0	268.474659	.000043	.000200	. v. .
25	1418 rR 8 7 0	269.168837	.000026	.000200	. v. .
26	1419 rR 9 7 0	269.865825	.000004	.000200	. v. .
27	1420 rR 10 7 0	270.565692	.000008	.000200	. v. .
28	1421 rR 11 7 0	271.268451	.000010	.000200	. v. .
29	1422 rR 12 7 0	271.974176	.000037	.000200	. v. .
30	1423 rR 13 7 0	272.682844	.000021	.000200	. v. .
31	1424 rR 14 7 0	273.394536	-0.000008	.000200	. v. .
32	1425 rR 15 7 0	274.109434	.000080	.000200	. v. .
33	1426 rR 16 7 0	274.825942	-0.001365	.002000	v. . .
34	1427 rR 17 7 0	275.548954	.000498	.000500	. .v. .
35	1428 rR 18 7 0	276.273216	.000361	.000500	. .v. .
36	1429 rR 19 7 0	277.000462	-0.000095	.000200	. v. .
37	1430 rR 20 7 0	277.731632	.000016	.000200	. v. .
38	1431 rR 21 7 0	278.465665	-0.00414	.001000	. v. .
39	1432 rR 22 7 0	279.203924	-0.000071	.000200	. v. .
40	1433 rR 23 7 0	279.945389	-0.000017	.000200	. v. .
41	1434 rR 24 7 0	280.690371	.000018	.000200	. v. .
42	1435 rR 25 7 0	281.438862	-0.000007	.000200	. v. .
43	1436 rR 26 7 0	282.191006	.000020	.000200	. v. .
44	1437 rR 27 7 0	282.946777	.000049	.000200	. v. .
45	1438 rR 28 7 0	283.706038	-0.000077	.000200	. v. .
46	1439 rR 29 7 0	284.469131	-0.000031	.000200	. v. .
47	1440 rR 30 7 0	285.235876	-0.000002	.000200	. v. .
48	1441 rR 31 7 0	286.006233	-0.000034	.000200	. v. .
49	1442 rR 32 7 0	286.780270	-0.000061	.000200	. v. .
50	1443 rR 33 7 0	287.557526	-0.000538	.000500	. x. .
51	1444 rR 34 7 0	288.339606	.000146	.000200	. .v. .
52	1445 rR 35 7 0	289.124465	-0.000041	.000200	. v. .
53	1446 rR 36 7 0	289.913002	-0.000187	.000200	. v. .
54	1447 rR 37 7 0	290.705379	-0.000113	.000200	. v. .
55	1448 rR 38 7 0	291.501285	-0.000110	.000200	. v. .
56	1449 rR 39 7 0	292.300719	-0.000159	.000200	. v. .

1450	rR	40	7	0	293.104221	.000302	.000500	.	.	v	.
1451	rR	41	7	0	293.910278	-.000216	.000200	.	x.	.	.
1452	rR	42	7	0	294.720366	-.000213	.000200	.	x.	.	.
1453	rR	43	7	0	295.533991	-.000157	.000200	.	v.	.	.
1454	rR	44	7	0	296.350970	-.000207	.000200	.	x.	.	.
1455	rR	45	7	0	297.171520	-.000120	.000200	.	v.	.	.
1456	rR	46	7	0	297.995346	-.000165	.000200	.	v.	.	.
1457	rR	47	7	0	298.823476	.000713	.001000	.	.	v.	.
1458	rR	48	7	0	299.653342	-.000029	.000200	.	v	.	.
1459	rR	49	7	0	300.487298	-.000011	.000200	.	v	.	.
1460	rR	50	7	0	301.324416	-.000136	.000200	.	v.	.	.
1461	rR	51	7	0	302.164956	-.000118	.000200	.	v.	.	.
1462	rQ	21	9	0	263.799144	-.000201	.000200	.	x.	.	.
1463	rQ	22	9	0	263.863305	-.000095	.000200	.	v	.	.
1464	rQ	23	9	0	263.929628	-.001209	.002000	v.	.	.	.
1465	rQ	24	9	0	264.001235	-.000467	.000500	.	v.	.	.
1466	rQ	25	9	0	264.075900	-.000141	.000200	.	v.	.	.
1467	rQ	26	9	0	264.154204	.000308	.000500	.	.	v	.
1468	rQ	27	9	0	264.235181	-.000126	.000200	.	v.	.	.
1469	rQ	28	9	0	264.320154	-.000156	.000200	.	v.	.	.
1470	rQ	29	9	0	264.408482	-.000458	.000500	.	v.	.	.
1471	rQ	30	9	0	264.502199	.000973	.002000	.	.	v	.
1472	rQ	31	9	0	264.596178	-.001015	.001000	x	.	.	.
1473	rQ	32	9	0	264.697908	.001044	.002000	.	.	v	.
1474	rQ	33	9	0	264.800156	-.000099	.000200	.	v	.	.
1475	rQ	34	9	0	264.907343	-.000039	.000200	.	v	.	.
1476	rQ	35	9	0	265.017508	-.000744	.001000	.v	.	.	.
1477	rQ	36	9	0	265.132604	-.000269	.000300	.	v.	.	.
1478	rQ	37	9	0	265.251161	-.000086	.000200	.	v	.	.
1479	rQ	38	9	0	265.373437	.000063	.000200	.	v	.	.
1480	rQ	39	9	0	265.499389	.000141	.000200	.	v	.	.
1481	rQ	40	9	0	265.628844	-.000019	.000200	.	v	.	.
1482	rQ	41	9	0	265.762045	-.000166	.000200	.	v.	.	.
1483	rQ	42	9	0	265.899183	-.000095	.000200	.	v	.	.
1484	rQ	43	9	0	266.040627	.000574	.001000	.	.	v	.
1485	rQ	44	9	0	266.184684	.000166	.000200	.	v	.	.
1486	rQ	45	9	0	266.332733	.000074	.000200	.	v	.	.
1487	rQ	46	9	0	266.485771	.001315	.002000	.	.	v	.
1488	rQ	47	9	0	266.638903	-.000988	.001000	v	.	.	.
1489	rQ	48	9	0	266.798125	-.000819	.001000	.v	.	.	.
1490	rQ	49	9	0	266.961384	-.000210	.000200	.	x.	.	.
1491	rQ	50	9	0	267.127901	.000080	.000200	.	v	.	.
1492	rQ	51	9	0	267.296984	-.000619	.001000	.	v	.	.
1493	rQ	52	9	0	267.470831	-.000087	.000200	.	v	.	.
1494	rQ	53	9	0	267.647620	-.000125	.000200	.	v.	.	.
1495	rQ	54	9	0	267.826344	-.001718	.002000	v	.	.	.
1496	rQ	55	9	0	268.011356	-.000490	.000500	.	v.	.	.
1497	rQ	56	9	0	268.199165	.000088	.000200	.	v	.	.
1498	rQ	57	9	0	268.388658	-.001074	.002000	v	.	.	.
1499	rQ	58	9	0	268.583808	.000019	.000200	.	v	.	.
1500	rQ	59	9	0	268.780608	-.000619	.001000	.	v	.	.
1501	rQ	60	9	0	268.981940	-.000084	.000300	.	v	.	.
1502	rQ	61	9	0	269.186276	.000116	.000200	.	.v	.	.
1503	rQ	62	9	0	269.393388	-.000225	.001000	.	v.	.	.
1504	rQ	63	9	0	269.605049	.000687	.001000	.	.	v	.
1505	rQ	64	9	0	269.818800	.000413	.000300	.	x	.	.

1	1506 rQ 65 9 0	270.035090	-.000576	.002000	. v . .
2	1507 rQ 66 9 0	270.256976	.000796	.001000	. . v.
3	1508 rR 9 9 0	269.997902	.000065	.000200	. v .
4	1509 rR 10 9 0	270.697119	.000051	.000200	. v .
5	1510 rR 11 9 0	271.399197	.000060	.000200	. v .
6	1511 rR 12 9 0	272.104109	.000032	.000200	. v .
7	1512 rR 13 9 0	272.811984	.000058	.000200	. v .
8	1513 rR 14 9 0	273.522914	.000191	.000200	. .v .
9	1514 rR 15 9 0	274.236441	-.000067	.000200	. v .
10	1515 rR 16 9 0	274.953353	.000028	.000200	. v .
11	1516 rR 17 9 0	275.673206	-.000012	.000200	. v .
12	1517 rR 18 9 0	276.396262	.000030	.000200	. v .
13	1518 rR 19 9 0	277.122487	.000074	.000200	. v .
14	1519 rR 20 9 0	277.851914	.000108	.000200	. .v .
15	1520 rR 21 9 0	278.584415	-.000042	.000200	. v .
16	1521 rR 22 9 0	279.320383	-.000028	.000200	. v .
17	1522 rR 23 9 0	280.059890	.000180	.000300	. .v .
18	1523 rR 24 9 0	280.802370	-.000026	.000200	. v .
19	1524 rR 25 9 0	281.548391	-.000118	.000200	. v .
20	1525 rR 26 9 0	282.297938	-.000145	.000200	. v .
21	1526 rR 27 9 0	283.051136	-.000017	.000200	. v .
22	1527 rR 28 9 0	283.807698	-.000050	.000200	. v .
23	1528 rR 29 9 0	284.567649	-.000245	.000200	. x. .
24	1529 rR 30 9 0	285.331491	-.000122	.000200	. v. .
25	1530 rR 31 9 0	286.099203	.000280	.000500	. .v .
26	1531 rR 32 9 0	286.869672	-.000167	.000200	. v. .
27	1532 rR 33 9 0	287.644129	-.000241	.000200	. x. .
28	1533 rR 34 9 0	288.422406	-.000116	.000200	. v. .
29	1534 rR 35 9 0	289.204044	-.000255	.000200	. x. .
30	1535 rR 36 9 0	289.989601	-.000097	.000200	. v. .
31	1536 rR 37 9 0	290.778672	-.000044	.000200	. v. .
32	1537 rR 38 9 0	291.571027	-.000317	.000300	. x. .
33	1538 rR 39 9 0	292.366184	-.001388	.002000	v. . .
34	1539 rR 40 9 0	293.167332	-.000055	.000200	. v. .
35	1540 rR 41 9 0	293.970451	-.000323	.000300	. x. .
36	1541 rR 42 9 0	294.777555	-.000161	.000200	. v. .
37	1542 rR 43 9 0	295.588650	.000457	.001000	. .v .
38	1543 rR 44 9 0	296.402064	-.000122	.000200	. v. .
39	1544 rR 45 9 0	297.219585	-.000087	.000200	. v. .
40	1545 rR 46 9 0	298.040525	-.000104	.000200	. v. .
41	1546 rR 47 9 0	298.864938	-.000096	.000200	. v. .
42	1547 rR 48 9 0	299.692723	-.000139	.000200	. v. .
43	1548 rR 49 9 0	300.524035	-.000054	.000200	. v. .
44	1549 rR 50 9 0	301.358640	-.000049	.000200	. v. .
45	1550 rR 51 9 0	302.197031	.000393	.001000	. .v .
46	1551 rR 52 9 0	303.037672	-.000237	.000200	. x. .
47	1552 rR 53 9 0	303.882400	-.000078	.000200	. v. .
48	1553 rR 54 9 0	304.730304	-.000014	.000200	. v. .
49	1554 rR 55 9 0	305.581194	-.000211	.000200	. x. .
50	1555 rR 56 9 0	306.435541	-.000171	.000200	. v. .
51	1556 rR 57 9 0	307.293144	-.000070	.000200	. v. .
52	1557 rR 58 9 0	308.153932	.000045	.000200	. v. .
53	1558 rR 59 9 0	309.017710	.000006	.000200	. v. .
54	1559 rR 60 9 0	309.884975	.000334	.000200	. .x .
55	1560 rR 61 9 0	310.755168	.000495	.000500	. .v .
56	1561 rR 62 9 0	311.627855	.000080	.000200	. v. .

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2									
3	1562	rR	10	10	0	270.759960	.000083	.000200	. v .
4	1563	rR	11	10	0	271.461637	.000045	.000200	. v .
5	1564	rR	12	10	0	272.166176	.000022	.000200	. v .
6	1565	rR	13	10	0	272.873585	-.000009	.000200	. v .
7	1566	rR	14	10	0	273.584044	.000097	.000200	. v .
8	1567	rR	15	10	0	274.297314	.000065	.000200	. v .
9	1568	rR	16	10	0	275.013687	.000149	.000200	. v .
10	1569	rR	17	10	0	275.732796	-.000058	.000200	. v .
11	1570	rR	18	10	0	276.455225	-.000014	.000200	. v .
12	1571	rR	19	10	0	277.180799	.000066	.000200	. v .
13	1572	rR	20	10	0	277.909230	-.000149	.000200	. v .
14	1573	rR	21	10	0	278.641101	-.000118	.000200	. v .
15	1574	rR	22	10	0	279.377465	.001169	.001000	. . . x
16	1575	rR	23	10	0	280.114467	-.000183	.000200	. v .
17	1576	rR	24	10	0	280.857367	.001045	.001000	. . x
18	1577	rR	25	10	0	281.601080	-.000272	.000300	. v .
19	1578	rR	26	10	0	282.349691	-.000084	.000200	. v .
20	1579	rR	27	10	0	283.101944	.000317	.000300	. . x .
21	1580	rR	28	10	0	283.856979	.000040	.000200	. v .
22	1581	rR	29	10	0	284.615863	.000122	.000200	. . v .
23	1582	rR	30	10	0	285.378399	.000340	.000500	. . v .
24	1583	rR	31	10	0	286.143662	-.000254	.000200	. x .
25	1584	rR	32	10	0	286.913262	-.000068	.000200	. v .
26	1585	rR	33	10	0	287.686031	-.000286	.000200	. x .
27	1586	rR	34	10	0	288.461160	-.001730	.002000	v . . .
28	1587	rR	35	10	0	289.243006	-.000050	.000200	. v .
29	1588	rR	36	10	0	290.026646	-.000175	.000200	. v .
30	1589	rR	37	10	0	290.814113	-.000074	.000200	. v .
31	1590	rR	38	10	0	291.605089	-.000061	.000200	. v .
32	1591	rR	39	10	0	292.399722	.000014	.000200	. v .
33	1592	rR	40	10	0	293.197706	-.000146	.000200	. v .
34	1593	rR	41	10	0	293.999380	-.000191	.000200	. v .
35	1594	rR	42	10	0	294.804679	-.000176	.000200	. v .
36	1595	rR	43	10	0	295.613428	-.000259	.000200	. x .
37	1596	rR	44	10	0	296.425843	-.000208	.000200	. x .
38	1597	rR	45	10	0	297.241958	.000029	.000200	. v .
39	1598	rR	46	10	0	298.061046	-.000256	.000200	. x .
40	1599	rR	47	10	0	298.884117	-.000030	.000200	. v .
41	1600	rR	48	10	0	299.710282	-.000162	.000200	. v .
42	1601	rR	49	10	0	300.540129	-.000040	.000200	. v .
43	1602	rR	50	10	0	301.373307	.000008	.000200	. v .
44	1603	rR	51	10	0	302.209780	-.000029	.000200	. v .
45	1604	rR	52	10	0	303.049706	.000031	.000200	. v .
46	1605	rR	53	10	0	303.892865	-.000006	.000200	. v .
47	1606	rR	54	10	0	304.740070	.000697	.000500	. . x .
48	1607	rR	55	10	0	305.589385	.000231	.000200	. . x .
49	1608	rR	56	10	0	306.442572	.000382	.000200	. . x .
50	1609	rR	57	10	0	307.299329	.000875	.000200	. . * .
51	1610	rR	11	11	0	271.522147	.000038	.000200	. v .
52	1611	rR	12	11	0	272.226287	-.000023	.000200	. v .
53	1612	rR	13	11	0	272.933472	.000093	.000200	. v .
54	1613	rR	14	11	0	273.643265	-.000083	.000200	. v .
55	1614	rR	15	11	0	274.356191	-.000063	.000200	. v .
56	1615	rR	16	11	0	275.070107	-.002025	.002000	x . . .
57	1616	rR	17	11	0	275.790726	-.000295	.000300	. v .
58	1617	rR	18	11	0	276.513003	.000043	.000200	. v .
59									
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1	1618 rR 19 11 0	277.238124	.000134	.000200	. .v .
2	1619 rR 20 11 0	277.966304	.000153	.000200	. .v .
3	1620 rR 21 11 0	278.697643	.000157	.000200	. .v .
4	1621 rR 22 11 0	279.429509	-.002525	.003000	v . . .
5	1622 rR 23 11 0	280.169708	-.000130	.000200	. v .
6	1623 rR 24 11 0	280.910944	.000008	.000200	. v .
7	1624 rR 25 11 0	281.656644	.001277	.002000	. . .v
8	1625 rR 26 11 0	282.405352	.002184	.003000	. . . v
9	1626 rR 27 11 0	283.154454	.000080	.000200	. v .
10	1627 rR 28 11 0	283.908033	-.000986	.002000	v . .
11	1628 rR 29 11 0	284.667252	.000121	.000200	. .v .
12	1629 rR 30 11 0	285.428588	-.000151	.000200	. v .
13	1630 rR 31 11 0	286.193795	-.000071	.000200	. v .
14	1631 rR 32 11 0	286.962594	.000061	.000200	. v .
15	1632 rR 34 11 0	288.510845	.000289	.000300	. v .
16	1633 rR 35 11 0	289.290150	.000213	.000200	. x .
17	1634 rR 36 11 0	290.072638	-.000270	.000300	. v .
18	1635 rR 37 11 0	290.859485	.000013	.000200	. v .
19	1636 rR 38 11 0	291.649431	-.000201	.000200	. x .
20	1637 rR 39 11 0	292.443330	-.000055	.000200	. v .
21	1638 rR 40 11 0	293.242509	.001784	.002000	. . . v
22	1639 rR 41 11 0	294.042113	.000467	.001000	. .v .
23	1640 rR 42 11 0	294.846103	-.000034	.000200	. v .
24	1641 rR 43 11 0	295.654180	-.000005	.000200	. v .
25	1642 rR 44 11 0	296.465704	-.000072	.000200	. v .
26	1643 rR 45 11 0	297.280809	-.000086	.000200	. v .
27	1644 rR 46 11 0	298.099025	-.000498	.000500	. v .
28	1645 rR 47 11 0	298.921567	-.000075	.000200	. v .
29	1646 rR 48 11 0	299.747321	.000090	.000200	. v .
30	1647 rR 49 11 0	300.576208	-.000061	.000200	. v .
31	1648 rR 50 11 0	301.408605	-.000129	.000200	. v .
32	1649 rR 51 11 0	302.244405	-.000200	.000200	. v .
33	1650 rR 52 11 0	303.085064	.001207	.002000	. . .v
34	1651 rR 53 11 0	303.926508	.000041	.000200	. v .
35	1652 rR 54 11 0	304.772833	.000421	.000500	. .v .
36	1653 rR 55 11 0	305.621685	.000016	.000200	. v .
37	1654 rR 56 11 0	306.474568	.000355	.000500	. .v .
38	1655 rR 57 11 0	307.329930	-.000091	.000200	. v .
39	1656 rR 58 11 0	308.189008	-.000061	.000200	. v .
40	1657 rR 59 11 0	309.051397	.000062	.000200	. v .
41	1658 rR 60 11 0	309.916801	.000005	.000200	. v .
42	1659 rQ 29 12 0	264.584044	.000337	.000200	. .x .
43	1660 rQ 34 12 0	265.069031	-.000099	.000200	. v .
44	1661 rQ 39 12 0	265.645038	-.000366	.000200	. x .
45	1662 rQ 40 12 0	265.772056	.000333	.000500	. .v .
46	1663 rQ 41 12 0	265.901635	-.000108	.000200	. v .
47	1664 rQ 42 12 0	266.035531	.000067	.000200	. v .
48	1665 rQ 43 12 0	266.172623	-.000261	.000200	. x .
49	1666 rQ 45 12 0	266.458701	-.000096	.000200	. v .
50	1667 rQ 47 12 0	266.759303	-.000113	.000200	. v .
51	1668 rR 12 12 0	272.284486	.000042	.000200	. v .
52	1669 rR 13 12 0	272.991089	.000000	.000200	. v .
53	1670 rR 14 12 0	273.700422	-.000189	.000300	. v .
54	1671 rR 15 12 0	274.413164	.000125	.000200	. .v .
55	1672 rR 16 12 0	275.128430	.000022	.000200	. v .
56	1673 rR 17 12 0	275.846741	-.000011	.000200	. v .

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3	1674	rR	18	12	0	276.568183	.000077	.000200	. v .
4	1675	rR	19	12	0	277.292514	.000006	.000200	. v .
5	1676	rR	20	12	0	278.020202	.000209	.000200	. x .
6	1677	rR	21	12	0	278.751161	.000559	.001000	. . v .
7	1678	rR	22	12	0	279.484717	.000346	.000500	. . v .
8	1679	rR	23	12	0	280.221443	.000105	.000200	. v .
9	1680	rR	24	12	0	280.961755	.000213	.000200	. x .
10	1681	rR	25	12	0	281.705076	.000057	.000200	. v .
11	1682	rR	26	12	0	282.452060	.000256	.000300	. v .
12	1683	rR	27	12	0	283.201831	-.000102	.000200	. v .
13	1684	rR	28	12	0	283.955498	.000061	.000200	. v .
14	1685	rR	29	12	0	284.712535	.000188	.000200	. v .
15	1686	rR	30	12	0	285.472739	.000047	.000200	. v .
16	1687	rR	31	12	0	286.236331	-.000166	.000200	. v .
17	1688	rR	32	12	0	287.001673	-.002113	.003000	v . . .
18	1689	rR	33	12	0	287.774497	-.000082	.000200	. v .
19	1690	rR	34	12	0	288.548770	-.000122	.000200	. v .
20	1691	rR	35	12	0	289.326864	.000123	.000200	. v .
21	1692	rR	36	12	0	290.108197	.000061	.000200	. v .
22	1693	rR	37	12	0	290.892937	-.000149	.000200	. v .
23	1694	rR	38	12	0	291.681322	-.000273	.000300	. v .
24	1695	rR	39	12	0	292.473564	-.000102	.000200	. v .
25	1696	rR	40	12	0	293.269257	-.000041	.000200	. v .
26	1697	rR	41	12	0	294.068553	.000067	.000200	. v .
27	1698	rR	42	12	0	294.871173	-.000053	.000200	. v .
28	1699	rR	43	12	0	295.677407	-.000101	.000200	. v .
29	1700	rR	44	12	0	296.487062	-.000259	.000200	. x .
30	1701	rR	45	12	0	297.300460	-.000193	.000200	. v .
31	1702	rR	46	12	0	298.117557	.000067	.000300	. v .
32	1703	rR	47	12	0	298.937628	-.000186	.000200	. v .
33	1704	rR	48	12	0	299.761489	-.000117	.000200	. v .
34	1705	rR	49	12	0	300.589283	.000433	.000500	. v .
35	1706	rR	50	12	0	301.419125	-.000398	.000500	. v .
36	1707	rR	51	12	0	302.253544	-.000061	.000200	. v .
37	1708	rR	52	12	0	303.091187	.000114	.000200	. v .
38	1709	rR	53	12	0	303.932150	.000246	.000500	. v .
39	1710	rR	54	12	0	304.776137	.000063	.000200	. v .
40	1711	rR	55	12	0	305.623522	-.000038	.000200	. v .
41	1712	rR	56	12	0	306.474568	.000232	.000500	. v .
42	1713	rR	57	12	0	307.328324	-.000054	.000200	. v .
43	1714	rR	58	12	0	308.185494	-.000167	.000200	. v .
44	1715	rR	59	12	0	309.045772	-.000387	.000200	. x .
45	1716	rR	13	13	0	273.046858	.000037	.000200	. v .
46	1717	rR	14	13	0	273.755669	-.000225	.000200	. x .
47	1718	rR	15	13	0	274.467798	-.000056	.000200	. v .
48	1719	rR	16	13	0	275.182651	-.000080	.000200	. v .
49	1720	rR	17	13	0	275.900415	-.000141	.000200	. v .
50	1721	rR	18	13	0	276.621430	.000066	.000200	. v .
51	1722	rR	19	13	0	277.345194	.000008	.000200	. v .
52	1723	rR	20	13	0	278.072104	.000045	.000200	. v .
53	1724	rR	21	13	0	278.800615	-.001403	.002000	v . . .
54	1725	rR	22	13	0	279.535148	.000049	.000200	. v .
55	1726	rR	23	13	0	280.270638	-.000699	.000500	. x . .
56	1727	rR	24	13	0	281.010350	-.000418	.000200	. * . .
57	1728	rR	25	13	0	281.756150	.002722	.003000	. . . v
58	1729	rR	26	13	0	282.499417	.000066	.000200	. v .
59									
60									

1	1730 rR 27 13 0	283.245415	-.003155	.003000	x	.	.	.
2	1731 rR 28 13 0	284.001340	.000221	.000200		.	x	.
3	1732 rR 14 14 0	273.809436	.000264	.000200		.	x	.
4	1733 rR 15 14 0	274.521137	.000485	.001000		.	v	.
5	1734 rR 16 14 0	275.235607	.000577	.000500		.	x	.
6	1735 rR 17 14 0	275.952873	.000539	.000500		.	x	.
7	1736 rR 18 14 0	276.673229	.000632	.000500		.	x	.
8	1737 rR 19 14 0	277.396617	.000768	.001000		.	v	.
9	1738 rR 20 14 0	278.120516	-.001606	.002000		v	.	.
10	1739 rR 21 14 0	278.850907	-.000543	.001000		v	.	.
11	1740 rR 22 14 0	279.584068	.000201	.000200		.	x	.
12	1741 rR 23 14 0	280.319391	-.000015	.000200		.	v	.
13	1742 rR 24 14 0	281.057431	-.000671	.001000		v	.	.
14	1743 rR 25 14 0	281.799692	-.000296	.000500		.	v	.
15	1744 rR 26 14 0	282.545289	.000192	.000200		.	v	.
16	1745 rR 28 14 0	284.045269	.000153	.000200		.	v	.
17	1746 rR 29 14 0	284.800105	.000018	.000200		.	v	.
18	1747 rR 30 14 0	285.557967	-.000438	.000500		v	.	.
19	1748 rR 31 14 0	286.319296	-.000802	.001000		v	.	.
20	1749 rR 32 14 0	287.085089	-.000100	.000200		.	v	.
21	1750 rR 33 14 0	287.853530	-.000173	.000200		.	v	.
22	1751 rR 15 15 0	274.571231	-.000202	.000200		.	x	.
23	1752 rR 16 15 0	275.283200	-.002098	.002000	x	.	.	.
24	1753 rR 17 15 0	276.002202	.000130	.000200		.	v	.
25	1754 rR 18 15 0	276.721752	-.000032	.000200		.	v	.
26	1755 rR 19 15 0	277.443936	-.000525	.001000		v	.	.
27	1756 rR 20 15 0	278.170105	-.000031	.000200		.	v	.
28	1757 rR 21 15 0	278.898440	-.000399	.000500		v	.	.
29	1758 rR 22 15 0	279.630803	.000201	.000200		.	x	.
30	1759 rR 23 15 0	280.365405	-.000052	.000200		v	.	.
31	1760 rR 24 15 0	281.103516	.000080	.000200		v	.	.
32	1761 rR 25 15 0	281.844650	.000079	.000200		v	.	.
33	1762 rR 26 15 0	282.588511	-.000384	.000500		v	.	.
34	1763 rR 27 15 0	283.335998	-.000441	.000500		v	.	.
35	1764 rR 29 15 0	284.841256	-.000053	.000200		v	.	.
36	1765 rR 30 15 0	285.598495	-.000199	.000200		v	.	.
37	1766 rR 31 15 0	286.357702	-.001712	.002000		v	.	.
38	1767 rR 32 15 0	287.123507	.000011	.000200		v	.	.
39	1768 rR 33 15 0	287.890660	-.000305	.001000		v	.	.
40	1769 rR 34 15 0	288.662718	.000878	.001000		.	v	.
41	1770 rP 51 0 0	230.516501	.000023	.000200		v	.	.
42	1771 rP 52 0 0	229.935806	.000026	.000200		v	.	.
43	1772 rP 53 0 0	229.356866	.000002	.000200		v	.	.
44	1773 rP 54 0 0	228.779714	-.000018	.000200		v	.	.
45	1774 rP 55 0 0	228.204357	-.000025	.000200		v	.	.
46	1775 rP 56 0 0	227.630812	.000000	.000200		v	.	.
47	1776 rP 57 0 0	227.059077	.000053	.000200		v	.	.
48	1777 rP 58 0 0	226.489000	-.000014	.000200		v	.	.
49	1778 rP 59 0 0	225.920827	.000045	.000200		v	.	.
50	1779 rP 60 0 0	225.354626	.000298	.000500		.	v	.
51	1780 rP 61 0 0	224.789607	-.000041	.000200		v	.	.
52	1781 rP 62 0 0	224.226672	-.000071	.000200		v	.	.
53	1782 rP 63 0 0	223.665702	.000091	.000200		v	.	.
54	1783 rP 64 0 0	223.106214	-.000037	.000200		v	.	.
55	1784 rP 65 0 0	222.548675	.000016	.000200		v	.	.

1785	rP	66	0	0	221.992926	.000090	.000200	.	v	.
1786	rP	67	0	0	221.438729	-.000051	.000200	.	v	.
1787	rP	68	0	0	220.886395	-.000092	.000200	.	v	.
1788	rP	69	0	0	220.335958	.000000	.000200	.	v	.
1789	rP	70	0	0	219.787417	.000228	.000300	.	.v	.
1790	rP	71	0	0	219.240359	.000181	.000200	.	.v	.
1791	rP	72	0	0	218.695054	.000130	.000200	.	.v	.
1792	rP	73	0	0	218.151127	-.000297	.000200	.	x.	.
1793	rP	74	0	0	217.610009	.000333	.000500	.	v	.
1794	rP	75	0	0	217.069954	.000276	.000200	.	.x	.
1795	rP	76	0	0	216.530357	-.001070	.001000	x	.	.
1796	rP	77	0	0	215.994863	-.000058	.000200	.	v	.
1797	rP	78	0	0	215.459565	-.000592	.001000	.	v	.
1798	rP	79	0	0	214.926288	-.000845	.001000	.	v	.
1799	rP	80	0	0	214.395187	-.000658	.001000	.	v	.
1800	rP	81	0	0	213.866503	.000212	.000200	.	.x	.
1801	rP	82	0	0	213.339319	.000850	.001000	.	.	v.
1802	rP	83	0	0	212.811863	-.000512	.000500	.	x	.
1803	rP	84	0	0	212.287949	-.000057	.000200	.	v	.
1804	rR	48	0	0	297.341863	-.000092	.000200	.	v	.
1805	rR	49	0	0	298.091291	-.000094	.000200	.	v	.
1806	rR	50	0	0	298.842192	-.000028	.000200	.	v	.
1807	rR	51	0	0	299.594378	-.000074	.000200	.	v	.
1808	rR	52	0	0	300.347996	-.000075	.000200	.	v	.
1809	rR	53	0	0	301.103011	-.000059	.000200	.	v	.
1810	rR	54	0	0	301.860010	.000570	.001000	.	.	v.
1811	rR	55	0	0	302.617109	-.000065	.000200	.	v	.
1812	rR	56	0	0	303.376150	-.000111	.000200	.	v.	.
1813	rR	57	0	0	304.136655	-.000039	.000200	.	v	.
1814	rR	58	0	0	304.898389	-.000075	.000200	.	v	.
1815	rR	59	0	0	305.661471	-.000091	.000200	.	v	.
1816	rR	60	0	0	306.425914	-.000065	.000200	.	v	.
1817	rR	61	0	0	307.191630	-.000077	.000200	.	v	.
1818	rR	62	0	0	307.958673	-.000063	.000200	.	v	.
1819	rR	63	0	0	308.726975	-.000082	.000200	.	v	.
1820	rR	64	0	0	309.496609	-.000052	.000200	.	v	.
1821	rR	65	0	0	310.267416	-.000124	.000200	.	v.	.
1822	rR	66	0	0	311.039567	-.000115	.000200	.	v.	.
1823	rR	67	0	0	311.812934	-.000146	.000200	.	v.	.
1824	rR	68	0	0	312.587637	-.000087	.000200	.	v	.
1825	rR	69	0	0	313.363446	-.000158	.000200	.	v.	.
1826	rR	70	0	0	314.140698	-.000013	.000200	.	v	.
1827	rR	71	0	0	314.919080	.000046	.000200	.	v	.
1828	rR	72	0	0	315.698593	.000028	.000200	.	v	.
1829	rR	73	0	0	316.479196	-.000098	.000200	.	v	.
1830	rR	74	0	0	317.261006	-.000204	.000200	.	.x.	.
1831	rR	75	0	0	318.043813	-.000490	.000500	.	v.	.
1832	rR	76	0	0	318.828633	.000068	.000200	.	v	.
1833	rR	77	0	0	319.614041	.000057	.000200	.	v	.
1834	rR	78	0	0	320.397949	-.002602	.003000	v	.	.
1835	rR	79	0	0	321.188344	.000089	.000200	.	v	.
1836	rR	80	0	0	321.976860	-.000226	.000500	.	v.	.
1837	rR	81	0	0	322.767463	.000429	.000500	.	.v	.
1838	rR	82	0	0	323.557845	-.000244	.000500	.	v.	.
1839	rR	83	0	0	324.350423	.000183	.000200	.	.v	.
1840	rR	84	0	0	325.144413	.000937	.001000	.	.	v

1	1841 rP 50 3 0	233.362758	.000446	.000500	.	.	v	.
2	1842 rP 51 3 0	232.868379	-.000370	.000200	.	x	.	.
3	1843 rP 52 3 0	232.379982	.001275	.002000	.	.	.	v
4	1844 rP 54 3 0	231.408573	-.000574	.000500	.	x	.	.
5	1845 rP 55 3 0	230.929835	.000229	.000500	.	.	v	.
6	1846 rP 56 3 0	230.453028	-.000517	.000500	.	x	.	.
7	1847 rP 57 3 0	229.980664	-.000289	.000200	.	x	.	.
8	1848 rP 58 3 0	229.511357	-.000461	.000500	.	v	.	.
9	1849 rP 59 3 0	229.047312	.001180	.002000	.	.	.	v
10	1850 rP 60 3 0	228.583844	-.000039	.000200	.	v	.	.
11	1851 rP 61 3 0	228.125572	.000512	.001000	.	.	v	.
12	1852 rP 62 3 0	227.669109	-.000546	.000500	.	x	.	.
13	1853 rP 63 3 0	227.217362	-.000293	.000200	.	x	.	.
14	1854 rP 64 3 0	226.770137	.001086	.002000	.	.	v	.
15	1855 rP 65 3 0	226.322770	-.001062	.001000	x	.	.	.
16	1856 rP 66 3 0	225.881370	-.000618	.001000	.	v	.	.
17	1857 rP 67 3 0	225.442654	-.000853	.001000	.	v	.	.
18	1858 rP 68 3 0	225.008092	-.000288	.000200	.	x	.	.
19	1859 rR 49 3 0	300.430333	-.000234	.000200	.	x	.	.
20	1860 rR 50 3 0	301.271729	-.000098	.000200	.	v	.	.
21	1861 rR 51 3 0	302.116367	.000154	.000300	.	.	v	.
22	1862 rR 52 3 0	302.964723	.001017	.002000	.	.	v	.
23	1863 rR 53 3 0	303.814245	-.000043	.000200	.	v	.	.
24	1864 rR 54 3 0	304.667802	-.000138	.000200	.	v	.	.
25	1865 rR 55 3 0	305.524679	.000034	.000200	.	v	.	.
26	1866 rR 56 3 0	306.384266	-.000119	.000200	.	v	.	.
27	1867 rR 57 3 0	307.247008	-.000134	.000200	.	v	.	.
28	1868 rR 58 3 0	308.112962	.000064	.000200	.	v	.	.
29	1869 rR 59 3 0	308.981362	-.000273	.000200	.	x	.	.
30	1870 rR 60 3 0	309.853124	-.000212	.000200	.	x	.	.
31	1871 rR 61 3 0	310.727932	-.000049	.000200	.	v	.	.
32	1872 rR 62 3 0	311.605431	-.000123	.000200	.	v	.	.
33	1873 rR 63 3 0	312.485771	-.000265	.000200	.	x	.	.
34	1874 rR 64 3 0	313.369481	.000072	.000200	.	v	.	.
35	1875 rR 65 3 0	314.255613	-.000043	.000200	.	v	.	.
36	1876 rR 66 3 0	315.143799	-.000958	.001000	v	.	.	.
37	1877 rR 67 3 0	316.036539	-.000156	.000200	.	v	.	.
38	1878 rR 68 3 0	316.929825	-.001627	.002000	v	.	.	.
39	1879 rR 69 3 0	317.828811	-.000198	.000200	.	v	.	.
40	1880 rR 70 3 0	318.729609	.000262	.000500	.	.	v	.
41	1881 rR 71 3 0	319.632638	.000189	.000200	.	.	v	.
42	1882 rR 72 3 0	320.538227	-.000068	.000200	.	v	.	.
43	1883 rR 73 3 0	321.446669	-.000198	.000500	.	v	.	.
44	1884 rR 50 4 0	301.281968	.000061	.000300	.	v	.	.
45	1885 rR 51 4 0	302.126891	.001342	.002000	.	.	v	.
46	1886 rR 52 4 0	302.972928	.000598	.001000	.	.	v	.
47	1887 rR 53 4 0	303.821991	-.000240	.000200	.	x	.	.
48	1888 rR 54 4 0	304.675108	-.000124	.000200	.	v	.	.
49	1889 rR 55 4 0	305.531209	-.000104	.000200	.	v	.	.
50	1890 rR 56 4 0	306.390123	-.000331	.000300	.	x	.	.
51	1891 rR 57 4 0	307.252643	.000007	.000200	.	v	.	.
52	1892 rR 58 4 0	308.117747	-.000092	.000200	.	v	.	.
53	1893 rR 59 4 0	308.985997	-.000048	.000200	.	v	.	.
54	1894 rR 60 4 0	309.857169	-.000066	.000200	.	v	.	.
55	1895 rR 61 4 0	310.731274	-.000114	.000300	.	v	.	.
56	1896 rR 62 4 0	311.608584	.000097	.000200	.	v	.	.

1897 rR	50	5	0	301.294483	.000172	.000500	.	.v	.
1898 rR	51	5	0	302.138498	.001456	.002000	.	.	.v
1899 rR	52	5	0	302.983487	.000536	.001000	.	.	v.
1900 rR	53	5	0	303.832086	.000072	.000300	.	v	.
1901 rR	54	5	0	304.684011	-.000199	.000200	.	v.	.
1902 rR	55	5	0	305.539332	-.000185	.000200	.	v.	.
1903 rR	56	5	0	306.398019	.000104	.000200	.	.v	.
1904 rR	57	5	0	307.259192	-.000190	.000200	.	v.	.
1905 rR	58	5	0	308.123854	-.000043	.000200	.	v	.
1906 rR	59	5	0	308.991392	-.000048	.000200	.	v	.
1907 rR	60	5	0	309.862126	.000136	.000200	.	.v	.
1908 rR	50	6	0	301.308567	-.000100	.000200	.	v.	.
1909 rR	51	6	0	302.149562	-.000788	.001000	.	v	.
1910 rR	52	6	0	302.994661	-.000587	.000500	.	x	.
1911 rR	53	6	0	303.843234	-.000104	.000200	.	v.	.
1912 rR	54	6	0	304.694552	-.000045	.000200	.	v	.
1913 rR	55	6	0	305.548951	-.000050	.000200	.	v	.
1914 rR	56	6	0	306.406458	-.000069	.000200	.	v	.
1915 rR	57	6	0	307.267120	-.000034	.000200	.	v	.
1916 rR	58	6	0	308.130890	.000031	.000200	.	v	.
1917 rR	59	6	0	308.997703	.000084	.000200	.	v	.
1918 rR	60	6	0	309.867459	.000047	.000200	.	v	.
1919 rR	61	6	0	310.739686	-.000532	.001000	.	v	.
1920 rR	62	6	0	311.616156	.000141	.000200	.	.v	.
1921 rR	63	6	0	312.495685	.000904	.001000	.	.	v
1922 rR	64	6	0	313.376694	.000200	.000200	.	.v	.
1923 rR	65	6	0	314.261072	-.000063	.000500	.	v	.
1924 rR	66	6	0	315.149224	.000543	.001000	.	.	v
1925 rR	67	6	0	316.039378	.000265	.000200	.	x	.
1926 rR	50	7	0	301.324329	-.000223	.000200	.	x.	.
1927 rR	51	7	0	302.164875	-.000199	.000200	.	v.	.
1928 rR	52	7	0	303.006255	-.002594	.003000	v	.	.
1929 rR	53	7	0	303.8555685	-.000169	.000200	.	v.	.
1930 rR	54	7	0	304.705996	-.000067	.000200	.	v	.
1931 rR	55	7	0	305.559430	-.000023	.000200	.	v	.
1932 rR	56	7	0	306.415980	-.000018	.000200	.	v	.
1933 rR	57	7	0	307.275841	.000166	.000200	.	.v	.
1934 rR	58	7	0	308.138627	.000167	.000200	.	.v	.
1935 rR	59	7	0	309.004221	-.000110	.000200	.	v.	.
1936 rR	60	7	0	309.873146	-.000118	.000200	.	v.	.
1937 rR	61	7	0	310.745240	.000004	.000200	.	v	.
1938 rR	62	7	0	311.620461	.000237	.000200	.	.x	.
1939 rR	63	7	0	312.498021	-.000186	.000200	.	v.	.
1940 rR	64	7	0	313.379476	.000316	.000500	.	.v	.
1941 rR	65	7	0	314.263059	-.000005	.000200	.	v	.
1942 rR	66	7	0	315.149224	-.000670	.001000	.	v	.
1943 rR	67	7	0	316.039378	-.000252	.000500	.	v.	.
1944 rR	50	8	0	301.341467	-.000002	.000200	.	v	.
1945 rR	51	8	0	302.180751	.000009	.000200	.	v	.
1946 rR	52	8	0	303.022952	-.000353	.000500	.	v.	.
1947 rR	53	8	0	303.868691	-.000441	.000500	.	v.	.
1948 rR	54	8	0	304.718266	.000068	.000200	.	v	.
1949 rR	55	8	0	305.570450	-.000028	.000200	.	v	.
1950 rR	56	8	0	306.425914	-.000032	.000200	.	v	.
1951 rR	57	8	0	307.284673	.000094	.000200	.	v	.
1952 rR	58	8	0	308.146381	.000030	.000200	.	v	.

1	1953 rR 59 8 0	309.011355	.000116	.000200	.	.v.	.	
2	1954 rR 60 8 0	309.879890	.000673	.000500	.	.x.	.	
3	1955 rR 61 8 0	310.750540	.000278	.000200	.	.x.	.	
4	1956 rR 62 8 0	311.624755	.000405	.000200	.	.*	.	
5	1957 rR 63 8 0	312.502110	.000652	.001000	.	.v.	.	
6	1958 rR 64 8 0	313.383750	.002188	.003000	.	.	v	
7	1959 rR 65 8 0	314.265561	.000921	.001000	.	.	v	
8	1960 rR 50 9 0	301.358671	-0.000018	.000200	.	v	.	
9	1961 rR 51 9 0	302.197006	.000368	.000500	.	.v.	.	
10	1962 rR 52 9 0	303.037825	-0.000084	.000200	.	v	.	
11	1963 rR 53 9 0	303.882334	-0.000144	.000200	.	v.	.	
12	1964 rR 54 9 0	304.730271	-0.000047	.000200	.	v	.	
13	1965 rR 55 9 0	305.581370	-0.000035	.000200	.	v	.	
14	1966 rR 56 9 0	306.435869	.000157	.000200	.	.v	.	
15	1967 rR 57 9 0	307.293367	.000153	.000300	.	.v	.	
16	1968 rR 58 9 0	308.154028	.000141	.000500	.	.v	.	
17	1969 rR 59 9 0	309.017748	.000044	.001000	.	v	.	
18	1970 rR 60 9 0	309.885083	.000442	.001000	.	.v	.	
19	1971 rR 61 9 0	310.755232	.000559	.001000	.	.v	.	
20	1972 rR 62 9 0	311.627936	.000161	.002000	.	.v	.	
21	1973 rR 50 10 0	301.373478	.000179	.000200	.	.v	.	
22	1974 rR 51 10 0	302.209546	-0.00263	.000200	.	x.	.	
23	1975 rR 52 10 0	303.049818	.000143	.000200	.	.v	.	
24	1976 rR 53 10 0	303.892525	-0.00346	.000500	.	v.	.	
25	1977 rR 54 10 0	304.739339	-0.00034	.000200	.	v	.	
26	1978 rR 55 10 0	305.589262	.000108	.000200	.	.v	.	
27	1979 rR 56 10 0	306.442110	-0.000080	.000500	.	v	.	
28	1980 rR 57 10 0	307.298493	.000039	.000500	.	v	.	
29	1981 rR 58 10 0	308.158464	.000543	.001000	.	.v	.	
30	1982 rR 59 10 0	309.021623	.001058	.002000	.	.v	.	
31	1983 rR 60 10 0	309.886854	.000494	.000500	.	.v	.	
32	1984 rR 61 10 0	310.755232	-0.000050	.000200	.	v	.	
33	1985 rR 62 10 0	311.627936	.000632	.000500	.	x.	.	
34	1986 rR 63 10 0	312.502110	-0.00292	.000500	.	v.	.	
35	1987 rR 64 10 0	313.381319	.000769	.000500	.	.x.	.	
36	1988 rR 65 10 0	314.261072	-0.000651	.001000	.	v	.	
37	1989 rR 66 10 0	315.146068	.000170	.000200	.	.v	.	
38	1990 rR 67 10 0	316.033464	.000416	.000200	.	.*	.	
39	1991 rR 68 10 0	316.923601	.000452	.000200	.	.*	.	
40	1992 rR 69 10 0	317.816272	.000094	.000200	.	v	.	
41	1993 rR 50 11 0	301.408862	.000128	.000200	.	.v	.	
42	1994 rR 51 11 0	302.244800	.000195	.000500	.	.v	.	
43	1995 rR 52 11 0	303.083911	.000054	.000200	.	v	.	
44	1996 rR 53 11 0	303.926329	-0.00138	.000200	.	v.	.	
45	1997 rR 54 11 0	304.771866	-0.00546	.001000	.	v	.	
46	1998 rR 55 11 0	305.622041	.000372	.000200	.	.x	.	
47	1999 rR 56 11 0	306.474411	.000198	.000200	.	.v	.	
48	2000 rR 57 11 0	307.330154	.000133	.000200	.	.v	.	
49	2001 rR 58 11 0	308.189118	.000049	.000200	.	v	.	
50	2002 rR 59 11 0	309.051295	-0.000040	.000200	.	v	.	
51	2003 rR 60 11 0	309.916950	.000154	.000200	.	.v	.	
52	2004 rR 61 11 0	310.785615	.000186	.000200	.	.v	.	
53	2005 rQ 41 12 0	265.901586	-0.000157	.000200	.	v.	.	
54	2006 rR 12 12 0	272.284542	.000098	.000200	.	v	.	
55	2007 rR 13 12 0	272.991194	.000105	.000200	.	.v	.	
56	2008 rR 14 12 0	273.700518	-0.000093	.000200	.	v	.	

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3	2009 rR 15 12 0	274.413275	.000236	.000200	.	.x	.	
4	2010 rR 16 12 0	275.128428	.000020	.000200	.	v	.	
5	2011 rR 17 12 0	275.846434	-.000318	.000500	.	v	.	
6	2012 rR 18 12 0	276.568221	.000115	.000200	.	.v	.	
7	2013 rR 19 12 0	277.292609	.000101	.000200	.	.v	.	
8	2014 rR 20 12 0	278.020234	.000241	.000200	.	.x	.	
9	2015 rR 21 12 0	278.751083	.000481	.000500	.	.v	.	
10	2016 rR 22 12 0	279.484914	.000543	.001000	.	.v	.	
11	2017 rR 24 12 0	280.962528	.000986	.001000	.	.	v	
12	2018 rR 25 12 0	281.705406	.000387	.000500	.	.v	.	
13	2019 rR 26 12 0	282.451909	.000105	.000200	.	.v	.	
14	2020 rR 27 12 0	283.201909	-.000024	.000200	.	v	.	
15	2021 rR 28 12 0	283.955496	.000059	.000200	.	v	.	
16	2022 rR 29 12 0	284.712583	.000236	.000200	.	.x	.	
17	2023 rR 30 12 0	285.473185	.000493	.001000	.	.v	.	
18	2024 rR 31 12 0	286.236506	.000009	.000200	.	v	.	
19	2025 rR 32 12 0	287.001733	-.002053	.002000	x	.	.	
20	2026 rR 33 12 0	287.774755	.000176	.000200	.	.v	.	
21	2027 rR 34 12 0	288.548855	-.000037	.000200	.	v	.	
22	2028 rR 35 12 0	289.327274	.000533	.001000	.	.v	.	
23	2029 rR 36 12 0	290.107840	-.000296	.000200	.	.x	.	
24	2030 rR 37 12 0	290.892734	-.000352	.000500	.	v	.	
25	2031 rR 38 12 0	291.679808	-.001787	.002000	v	.	.	
26	2032 rR 39 12 0	292.473799	.000133	.000200	.	.v	.	
27	2033 rR 40 12 0	293.269063	-.000235	.000200	.	.x	.	
28	2034 rR 41 12 0	294.068789	.000303	.000500	.	.v	.	
29	2035 rR 42 12 0	294.871448	.000222	.000500	.	.v	.	
30	2036 rR 43 12 0	295.677327	-.000181	.000200	.	v	.	
31	2037 rR 44 12 0	296.487234	-.000087	.000200	.	v	.	
32	2038 rR 45 12 0	297.298662	-.001991	.002000	v	.	.	
33	2039 rR 46 12 0	298.117337	-.000153	.000200	.	v	.	
34	2040 rR 47 12 0	298.937513	-.000301	.000200	.	.x	.	
35	2041 rR 48 12 0	299.761547	-.000059	.000200	.	v	.	
36	2042 rR 49 12 0	300.589352	.000502	.000500	.	.x	.	
37	2043 rR 50 12 0	301.419586	.000063	.000200	.	v	.	
38	2044 rR 51 12 0	302.253691	.000086	.000200	.	v	.	
39	2045 rR 52 12 0	303.088721	-.002352	.003000	v	.	.	
40	2046 rR 53 12 0	303.932030	.000126	.000200	.	.v	.	
41	2047 rR 54 12 0	304.776216	.000142	.000200	.	.v	.	
42	2048 rR 55 12 0	305.625242	.001682	.002000	.	.	v	
43	2049 rR 56 12 0	306.474411	.000075	.000200	.	v	.	
44	2050 rR 57 12 0	307.328501	.000123	.000200	.	.v	.	
45	2051 rR 58 12 0	308.185543	-.000118	.000200	.	v	.	
46	2052 rR 59 12 0	309.045509	-.000650	.001000	.	v	.	
47	2053 rR 60 12 0	309.910075	.000229	.000200	.	.x	.	
48	2054 rR 61 12 0	310.777249	.000551	.000500	.	.x	.	
49	2055 rR 62 12 0	311.647449	.000761	.000500	.	.x	.	
50	2056 pP 52 1 0	229.932634	.000029	.000200	.	v	.	
51	2057 pP 53 1 0	229.353857	.000055	.000200	.	v	.	
52	2058 pP 54 1 0	228.776816	.000039	.000200	.	v	.	
53	2059 pP 55 1 0	228.201581	.000053	.000200	.	v	.	
54	2060 pP 56 1 0	227.628140	.000085	.000200	.	v	.	
55	2061 pP 57 1 0	227.056373	.000015	.000200	.	v	.	
56	2062 pP 58 1 0	226.486478	.000042	.000200	.	v	.	
57	2063 pP 59 1 0	225.918341	.000053	.000200	.	v	.	
58	2064 pP 60 1 0	225.351993	.000080	.000200	.	v	.	
59								
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3	2065	pP	61	1	0	224.787327	.000017	.000200	. v .
4	2066	pP	62	1	0	224.224525	.000047	.000200	. v .
5	2067	pP	63	1	0	223.663543	.000128	.000200	. .v .
6	2068	pP	64	1	0	223.104123	.000002	.000200	. v .
7	2069	pP	65	1	0	222.546600	.000006	.000200	. v .
8	2070	pP	66	1	0	221.990830	-.000002	.000200	. v .
9	2071	pP	67	1	0	221.435590	-.001245	.002000	v . .
10	2072	pP	68	1	0	220.884703	.000104	.000200	. .v .
11	2073	pP	69	1	0	220.334304	.000180	.000200	. .v .
12	2074	pP	70	1	0	219.785182	-.000225	.000200	. x. .
13	2075	pP	71	1	0	219.238428	-.000019	.000200	. v .
14	2076	pP	72	1	0	218.693220	-.000021	.000200	. v .
15	2077	pP	73	1	0	218.149442	-.000346	.000200	. x . .
16	2078	pP	74	1	0	217.608158	.000073	.000200	. v .
17	2079	pP	75	1	0	217.066341	-.001789	.002000	v . . .
18	2080	pP	76	1	0	216.530357	.000436	.000500	. . v .
19	2081	pP	77	1	0	215.993028	-.000428	.000500	. v . .
20	2082	pP	78	1	0	215.458244	-.000487	.000500	. v . .
21	2083	pP	79	1	0	214.926288	.000544	.000500	. . x .
22	2084	pP	80	1	0	214.395187	.000694	.001000	. . v .
23	2085	pP	81	1	0	213.864760	-.000215	.000200	. x. .
24	2086	pP	82	1	0	213.337581	.000395	.000500	. . v .
25	2087	pR	50	1	0	298.837428	-.000137	.000200	. v. .
26	2088	pR	51	1	0	299.589802	-.000082	.000200	. v .
27	2089	pR	52	1	0	300.343537	-.000047	.000200	. v .
28	2090	pR	53	1	0	301.098599	-.000061	.000200	. v .
29	2091	pR	54	1	0	301.855592	.000491	.001000	. . v .
30	2092	pR	55	1	0	302.612895	-.000006	.000200	. v .
31	2093	pR	56	1	0	303.371925	-.000126	.000200	. v. .
32	2094	pR	57	1	0	304.132499	-.000044	.000200	. v .
33	2095	pR	58	1	0	304.894280	-.000089	.000200	. v .
34	2096	pR	59	1	0	305.657454	-.000065	.000200	. v .
35	2097	pR	60	1	0	306.421964	-.000021	.000200	. v .
36	2098	pR	61	1	0	307.187717	-.000041	.000200	. v .
37	2099	pR	62	1	0	307.954763	-.000067	.000200	. v .
38	2100	pR	63	1	0	308.723146	-.000046	.000200	. v .
39	2101	pR	64	1	0	309.492770	-.000064	.000200	. v .
40	2102	pR	65	1	0	310.263636	-.000112	.000200	. v. .
41	2103	pR	66	1	0	311.035802	-.000123	.000200	. v. .
42	2104	pR	67	1	0	311.809372	.000018	.000200	. v .
43	2105	pR	68	1	0	312.583998	-.000030	.000200	. v .
44	2106	pR	69	1	0	313.359701	-.000235	.000200	. x. .
45	2107	pR	70	1	0	314.137058	-.000011	.000200	. v .
46	2108	pR	71	1	0	314.915366	-.000051	.000200	. v .
47	2109	pR	72	1	0	315.694597	-.000374	.000500	. v. .
48	2110	pR	73	1	0	316.475526	-.000195	.000200	. v. .
49	2111	pR	74	1	0	317.257629	-.000029	.000200	. v .
50	2112	pR	75	1	0	318.040892	.000121	.000200	. .v .
51	2113	pR	76	1	0	318.824710	-.000340	.000500	. v .
52	2114	pR	77	1	0	319.610445	-.000041	.000200	. v .
53	2115	pR	78	1	0	320.396824	-.000245	.000500	. v. .
54	2116	pR	79	1	0	321.184976	.000188	.000200	. .v .
55	2117	pR	80	1	0	321.973732	.000099	.000200	. v .
56	2118	pR	81	1	0	322.763174	-.000420	.000500	. v . .
57	2119	pR	82	1	0	323.556148	.001487	.001000	. . . x
58	2120	pR	83	1	0	324.346865	.000042	.000200	. v .
59									
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2121	pR	84	1	0	325.140829	.000759	.000500	.	.	x.
2122	pP	52	2	0	229.923177	.000048	.000200	.	v	.
2123	pP	53	2	0	229.344651	-.000009	.000200	.	v	.
2124	pP	54	2	0	228.767905	-.000046	.000200	.	v	.
2125	pP	55	2	0	228.192996	-.000007	.000200	.	v	.
2126	pP	56	2	0	227.619923	.000107	.000200	.	.v	.
2127	pP	57	2	0	227.048450	.000058	.000200	.	v	.
2128	pP	58	2	0	226.478692	-.000038	.000200	.	v	.
2129	pP	59	2	0	225.910894	.000064	.000200	.	v	.
2130	pP	60	2	0	225.344716	.000024	.000200	.	v	.
2131	pP	61	2	0	224.780284	-.000032	.000200	.	v	.
2132	pP	62	2	0	224.217597	-.000103	.000200	.	v.	.
2133	pP	63	2	0	223.656879	.000034	.000200	.	v	.
2134	pP	64	2	0	223.097780	.000030	.000200	.	v	.
2135	pP	65	2	0	222.540439	.000025	.000200	.	v	.
2136	pP	66	2	0	221.983324	-.001511	.003000	v	.	.
2137	pP	67	2	0	221.431087	.000074	.000200	.	v	.
2138	pP	68	2	0	220.879128	.000182	.000200	.	.v	.
2139	pP	69	2	0	220.328659	.000026	.000200	.	v	.
2140	pP	70	2	0	219.780279	.000206	.000300	.	.v	.
2141	pP	71	2	0	219.233423	.000160	.000200	.	.v	.
2142	pP	72	2	0	218.688291	.000089	.000200	.	v	.
2143	pP	73	2	0	218.145096	.000207	.000200	.	.x	.
2144	pP	74	2	0	217.603739	.000419	.000200	.	.*	.
2145	pP	75	2	0	217.064002	.000506	.000500	.	.x	.
2146	pP	76	2	0	216.525267	-.000145	.001000	.	v.	.
2147	pP	77	2	0	215.989925	.000858	.001000	.	.	v.
2148	pR	2	2	0	264.350781	.002040	.002000	.	.	x
2149	pR	3	2	0	265.029102	-.000536	.001000	.	v	.
2150	pR	4	2	0	265.713372	.000391	.000500	.	.v	.
2151	pR	5	2	0	266.399617	.000926	.001000	.	.	v
2152	pR	6	2	0	267.086119	-.000552	.001000	.	v	.
2153	pR	7	2	0	267.777179	.000364	.000300	.	.x	.
2154	pR	8	2	0	268.470006	.001000	.001000	.	.	v
2155	pR	9	2	0	269.163048	-.000077	.000200	.	v	.
2156	pR	10	2	0	269.859136	.000089	.000200	.	v	.
2157	pR	11	2	0	270.556600	-.000056	.000200	.	v	.
2158	pR	12	2	0	271.255859	.000019	.000200	.	v	.
2159	pR	13	2	0	271.956471	-.000032	.000200	.	v	.
2160	pR	14	2	0	272.658805	.000240	.000200	.	.x	.
2161	pR	15	2	0	273.362970	.001010	.001000	.	.	x
2162	pR	16	2	0	274.066379	-.000265	.000300	.	v.	.
2163	pR	17	2	0	274.773078	.000490	.000500	.	.v	.
2164	pR	18	2	0	275.479404	-.000372	.000500	.	v	.
2165	pR	19	2	0	276.188854	.000648	.001000	.	.	v
2166	pR	20	2	0	276.897995	.000113	.000200	.	.v	.
2167	pR	21	2	0	277.608782	-.000034	.000200	.	v	.
2168	pR	22	2	0	278.320463	-.000561	.001000	.	v	.
2169	pR	23	2	0	279.034666	.000143	.000200	.	v	.
2170	pR	24	2	0	279.749270	-.000061	.000200	.	v	.
2171	pR	25	2	0	280.465423	-.000043	.000200	.	v	.
2172	pR	26	2	0	281.183007	.000063	.000200	.	v	.
2173	pR	27	2	0	281.902222	.000441	.000500	.	.v	.
2174	pR	28	2	0	282.621971	-.000020	.000200	.	v	.
2175	pR	29	2	0	283.343579	-.000005	.000200	.	v	.
2176	pR	30	2	0	284.066519	-.000054	.000200	.	v	.

1	2	3	2177 pR 31 2 0	284.790854	-0.000110	.000200	. v. .
4	2178 pR 32 2 0	285.516774	.000009	.000200	. v .		
5	2179 pR 33 2 0	286.243906	-0.000075	.000200	. v .		
6	2180 pR 34 2 0	286.972509	-0.000109	.000200	. v. .		
7	2181 pR 35 2 0	287.702619	-0.000057	.000200	. v .		
8	2182 pR 36 2 0	288.434117	-0.000043	.000200	. v .		
9	2183 pR 37 2 0	289.166811	-0.000257	.000300	. v. .		
10	2184 pR 38 2 0	289.901360	-0.000042	.000200	. v .		
11	2185 pR 39 2 0	290.637298	.000138	.000200	. .v .		
12	2186 pR 40 2 0	291.374278	-0.000063	.000200	. v .		
13	2187 pR 41 2 0	292.112861	-0.000081	.000200	. v .		
14	2188 pR 42 2 0	292.852789	-0.000173	.000200	. v. .		
15	2189 pR 43 2 0	293.594307	-0.000088	.000200	. v .		
16	2190 pR 44 2 0	294.337157	-0.000081	.000200	. v .		
17	2191 pR 45 2 0	295.081413	-0.000075	.000200	. v .		
18	2192 pR 46 2 0	295.827071	-0.000068	.000200	. v .		
19	2193 pR 47 2 0	296.574112	-0.000074	.000200	. v .		
20	2194 pR 48 2 0	297.322562	-0.000062	.000200	. v .		
21	2195 pR 49 2 0	298.072372	-0.000075	.000200	. v .		
22	2196 pR 50 2 0	298.823513	-0.000136	.000200	. v. .		
23	2197 pR 51 2 0	299.576167	-0.000057	.000200	. v .		
24	2198 pR 52 2 0	300.330102	-0.000063	.000200	. v .		
25	2199 pR 53 2 0	301.085420	-0.000045	.000200	. v .		
26	2200 pR 54 2 0	301.842088	-0.000030	.000200	. v .		
27	2201 pR 55 2 0	302.600073	-0.000043	.000200	. v .		
28	2202 pR 56 2 0	303.359380	-0.000072	.000200	. v .		
29	2203 pR 57 2 0	304.120052	-0.000066	.000200	. v .		
30	2204 pR 58 2 0	304.879515	-0.002592	.003000	v . . .		
31	2205 pR 59 2 0	305.645339	-0.000072	.000200	. v .		
32	2206 pR 60 2 0	306.409924	-0.000098	.000200	. v .		
33	2207 pR 61 2 0	307.175830	-0.000101	.000200	. v. .		
34	2208 pR 62 2 0	307.943075	-0.000056	.000200	. v .		
35	2209 pR 63 2 0	308.711591	-0.000022	.000200	. v .		
36	2210 pR 64 2 0	309.481214	-0.000155	.000200	. v. .		
37	2211 pR 65 2 0	310.252297	-0.000092	.000200	. v .		
38	2212 pR 66 2 0	311.024570	-0.000096	.000200	. v .		
39	2213 pR 67 2 0	311.798114	-0.000075	.000200	. v .		
40	2214 pR 68 2 0	312.572814	-0.000137	.000200	. v. .		
41	2215 pR 69 2 0	313.348801	-0.000141	.000200	. v. .		
42	2216 pR 70 2 0	314.125984	-0.000170	.000200	. v. .		
43	2217 pR 71 2 0	314.904633	.000057	.000200	. v .		
44	2218 pR 72 2 0	315.683975	-0.000224	.000200	. x. .		
45	2219 pR 73 2 0	316.464631	-0.000383	.000300	. x .		
46	2220 pR 74 2 0	317.247232	.000220	.000200	. .x .		
47	2221 pR 75 2 0	318.030218	.000036	.000200	. v .		
48	2222 pR 76 2 0	318.814643	.000128	.000300	. .v .		
49	2223 pR 77 2 0	319.599289	-0.000713	.001000	.v . .		
50	2224 pR 78 2 0	320.386460	-0.000172	.000200	. v. .		
51	2225 pR 79 2 0	321.174793	.000398	.000500	. . v .		
52	2226 pR 80 2 0	321.963483	.000202	.000200	. .x .		
53	2227 pR 81 2 0	322.753563	.000282	.000200	. .x .		
54	2228 pR 82 2 0	323.544350	-0.000034	.000200	. v .		
55	2229 pR 83 2 0	324.337299	.000719	.000500	. . x.		
56	2230 pR 84 2 0	325.129626	-0.000232	.000500	. v. .		
57	2231 pP 52 3 0	229.907542	.000047	.000200	. v .		
58	2232 pP 53 3 0	229.329619	.000053	.000200	. v .		
59							
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2233	pP	54	3	0	228.753392	.000021	.000200	.	v	.
2234	pP	55	3	0	228.178937	.000024	.000200	.	v	.
2235	pP	56	3	0	227.606266	.000073	.000200	.	v	.
2236	pP	57	3	0	227.035262	.000048	.000200	.	v	.
2237	pP	58	3	0	226.466006	.000029	.000200	.	v	.
2238	pP	59	3	0	225.898514	.000031	.000200	.	v	.
2239	pP	60	3	0	225.332754	.000020	.000200	.	v	.
2240	pP	61	3	0	224.768780	.000051	.000200	.	v	.
2241	pP	62	3	0	224.206479	.000009	.000200	.	v	.
2242	pP	63	3	0	223.645990	.000034	.000200	.	v	.
2243	pP	64	3	0	223.087275	.000087	.000200	.	v	.
2244	pP	65	3	0	222.530147	-.000018	.000200	.	v	.
2245	pP	66	3	0	221.974909	.000021	.000200	.	v	.
2246	pP	67	3	0	221.421214	-.000142	.000200	.	v.	.
2247	pP	68	3	0	220.870977	.001410	.002000	.	.	v
2248	pP	69	3	0	220.319668	.000146	.000200	.	.v	.
2249	pP	70	3	0	219.771105	-.000114	.000200	.	v.	.
2250	pP	71	3	0	219.224560	-.000098	.000200	.	v	.
2251	pP	72	3	0	218.679958	.000121	.000300	.	.v	.
2252	pP	73	3	0	218.136581	-.000173	.000200	.	v.	.
2253	pP	74	3	0	217.595238	-.000170	.000200	.	v.	.
2254	pP	75	3	0	217.056013	.000215	.000200	.	x	.
2255	pP	76	3	0	216.518072	.000150	.000200	.	.v	.
2256	pP	77	3	0	215.981729	-.000048	.000200	.	v	.
2257	pP	78	3	0	215.446707	-.000656	.001000	.	v	.
2258	pP	79	3	0	214.914162	-.000514	.000500	.	x	.
2259	pP	80	3	0	214.384079	.000364	.000500	.	.v	.
2260	pP	81	3	0	213.853702	-.000776	.001000	.	v	.
2261	pP	82	3	0	213.328769	.001807	.002000	.	.	v
2262	pP	83	3	0	212.801184	.000020	.000200	.	v	.
2263	pP	84	3	0	212.276837	-.000245	.000500	.	v.	.
2264	pP	85	3	0	211.755510	.000796	.000500	.	.	x.
2265	pR	50	3	0	298.800625	.000010	.000200	.	v	.
2266	pR	51	3	0	299.553541	-.000061	.000200	.	v	.
2267	pR	52	3	0	300.307884	-.000046	.000200	.	v	.
2268	pR	53	3	0	301.063574	-.000020	.000200	.	v	.
2269	pR	54	3	0	301.820763	.000175	.000200	.	v	.
2270	pR	55	3	0	302.578891	-.000016	.000200	.	v	.
2271	pR	56	3	0	303.338472	-.000072	.000200	.	v	.
2272	pR	57	3	0	304.099438	-.000056	.000200	.	v	.
2273	pR	58	3	0	304.861706	-.000043	.000200	.	v	.
2274	pR	59	3	0	305.625242	-.000062	.000200	.	v	.
2275	pR	60	3	0	306.390123	-.000028	.000200	.	v	.
2276	pR	61	3	0	307.156239	-.000043	.000200	.	v	.
2277	pR	62	3	0	307.923635	-.000056	.000200	.	v	.
2278	pR	63	3	0	308.692371	.000002	.000200	.	v	.
2279	pR	64	3	0	309.462222	-.000088	.000200	.	v	.
2280	pR	65	3	0	310.233473	-.000031	.000200	.	v	.
2281	pR	66	3	0	311.005877	-.000067	.000200	.	v	.
2282	pR	67	3	0	311.779573	-.000049	.000200	.	v	.
2283	pR	68	3	0	312.554411	-.000118	.000200	.	v.	.
2284	pR	69	3	0	313.330643	-.000014	.000200	.	v	.
2285	pR	70	3	0	314.107830	-.000167	.000200	.	v.	.
2286	pR	71	3	0	314.886422	-.000117	.000200	.	v.	.
2287	pR	72	3	0	315.666187	-.000089	.000200	.	v	.
2288	pR	73	3	0	316.447256	.000058	.000200	.	v	.
2289	pR	74	3	0	317.229143	-.000153	.000200	.	v.	.

1	2	3	2290 pR 75 3 0	318.012289	-0.000271	.000300	. v. .	
4	5	6	2291 pR 76 3 0	318.797175	.000193	.000200	. v. .	
7	8	9	2292 pR 77 3 0	319.582691	.000140	.000200	. v. .	
10	11	12	2293 pR 78 3 0	320.369538	.000279	.000200	. x. .	
13	14	15	2294 pR 79 3 0	321.156733	-0.000362	.000500	. v. .	
16	17	18	2295 pR 80 3 0	321.945907	-0.000143	.000200	. v. .	
19	20	21	2296 pR 81 3 0	322.736931	.000818	.001000	. . v.	
22	23	24	2297 pR 82 3 0	323.525309	-0.001967	.002000	v . . .	
25	26	27	2298 pR 83 3 0	324.319555	.000028	.000200	. v. .	
28	29	30	2299 pR 84 3 0	325.113453	.000596	.000500	. . x. .	
31	32	33	2300 pP 52 4 0	229.886010	.000086	.000200	. v. .	
34	35	36	2301 pP 53 4 0	229.308839	.000117	.000200	. . v. .	
37	38	39	2302 pP 54 4 0	228.733343	.000123	.000200	. . v. .	
40	41	42	2303 pP 55 4 0	228.159568	.000144	.000200	. . v. .	
43	44	45	2304 pP 56 4 0	227.587470	.000132	.000200	. . v. .	
46	47	48	2305 pP 58 4 0	226.448356	.000051	.000200	. v. .	
49	50	51	2306 pP 59 4 0	225.881370	.000005	.000200	. v. .	
52	53	54	2307 pP 60 4 0	225.316220	.000074	.000200	. v. .	
55	56	57	2308 pP 61 4 0	224.752644	-0.000006	.000200	. v. .	
58	59	60	2309 pP 62 4 0	224.190960	.000082	.000200	. v. .	
61	62	63	2310 pP 63 4 0	223.630973	.000141	.000200	. . v. .	
64	65	66	2311 pP 64 4 0	223.072595	.000082	.000200	. v. .	
67	68	69	2312 pP 65 4 0	222.515989	.000067	.000200	. v. .	
70	71	72	2313 pP 66 4 0	221.960773	-0.00287	.000300	. v. .	
73	74	75	2314 pP 67 4 0	221.407950	.000024	.000200	. v. .	
76	77	78	2315 pP 68 4 0	220.856281	-0.00241	.000200	. x. .	
79	80	81	2316 pP 69 4 0	220.307145	.000299	.001000	. . v. .	
82	83	84	2317 pP 70 4 0	219.758439	-0.00461	.000500	. v. .	
85	86	87	2318 pP 71 4 0	219.212972	.000291	.000200	. . x. .	
88	89	90	2319 pP 72 4 0	218.667170	-0.001021	.001000	x . .	
91	92	93	2320 pP 73 4 0	218.125235	-0.000192	.000200	. v. .	
94	95	96	2321 pP 74 4 0	217.584964	.000574	.000500	. . x. .	
97	98	99	2322 pP 75 4 0	217.045646	.000569	.000500	. . x. .	
100	101	102	2323 pP 76 4 0	216.507851	.000363	.000200	. . x. .	
103	104	105	2324 pP 77 4 0	215.972400	.000778	.001000	. . v. .	
106	107	108	2325 pP 78 4 0	215.437684	.000208	.000200	. . x. .	
109	110	111	2326 pP 79 4 0	214.904972	-0.000077	.000200	. v. .	
112	113	114	2327 pP 80 4 0	214.375096	.000756	.001000	. . v. .	
115	116	117	2328 pP 81 4 0	213.845492	.000146	.000200	. . v. .	
118	119	120	2329 pR 50 4 0	298.768697	.000009	.000200	. v. .	
121	122	123	2330 pR 51 4 0	299.522184	-0.000039	.000200	. v. .	
124	125	126	2331 pR 52 4 0	300.277052	-0.000015	.000200	. v. .	
127	128	129	2332 pR 53 4 0	301.033235	.000019	.000200	. v. .	
130	131	132	2333 pR 54 4 0	301.790631	-0.000037	.000200	. v. .	
133	134	135	2334 pR 55 4 0	302.549400	-0.000017	.000200	. v. .	
136	137	138	2335 pR 56 4 0	303.309385	-0.000075	.000200	. v. .	
139	140	141	2336 pR 57 4 0	304.070766	-0.000025	.000200	. v. .	
142	143	144	2337 pR 58 4 0	304.833368	-0.000039	.000200	. v. .	
145	146	147	2338 pR 59 4 0	305.597298	-0.000002	.000200	. v. .	
148	149	150	2339 pR 60 4 0	306.362377	-0.000089	.000200	. v. .	
151	152	153	2340 pR 61 4 0	307.128865	-0.000034	.000200	. v. .	
154	155	156	2341 pR 62 4 0	307.896579	-0.000012	.000200	. v. .	
157	158	159	2342 pR 63 4 0	308.665468	-0.000069	.000200	. v. .	
160	161	162	2343 pR 64 4 0	309.435752	.000023	.000200	. v. .	
163	164	165	2344 pR 65 4 0	310.207001	-0.000160	.000200	. v. .	
166	167	168	2345 pR 66 4 0	310.979710	-0.000114	.000200	. v. .	

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3	2346	pR	67	4	0	311.753700	-0.000013	.000200	. v .
4	2347	pR	68	4	0	312.528792	-0.000026	.000200	. v .
5	2348	pR	69	4	0	313.305087	-0.000045	.000200	. v .
6	2349	pR	70	4	0	314.082610	-0.000038	.000200	. v .
7	2350	pR	71	4	0	314.861328	-0.000028	.000200	. v .
8	2351	pR	72	4	0	315.640173	-0.001075	.001000	x .
9	2352	pR	73	4	0	316.422547	.000230	.000500	. v .
10	2353	pR	74	4	0	317.204463	-0.000089	.000200	. v .
11	2354	pR	75	4	0	317.987051	-0.000895	.001000	. v .
12	2355	pR	76	4	0	318.772418	-0.000071	.000200	. v .
13	2356	pR	77	4	0	319.557818	-0.000354	.000500	. v .
14	2357	pR	78	4	0	320.344558	-0.000429	.000500	. v .
15	2358	pR	79	4	0	321.133077	.000154	.000200	. v .
16	2359	pR	80	4	0	321.922196	.000225	.000200	. x .
17	2360	pR	81	4	0	322.713312	.001189	.001000	. . x
18	2361	pR	82	4	0	323.503933	.000566	.000500	. . x .
19	2362	pR	83	4	0	324.295596	-0.000099	.000500	. v .
20	2363	pR	84	4	0	325.089179	.000083	.000200	. v .
21	2364	pP	52	5	0	229.858825	.000132	.000200	. v .
22	2365	pP	53	5	0	229.282427	.000048	.000200	. v .
23	2366	pP	54	5	0	228.707760	.000031	.000200	. v .
24	2367	pP	55	5	0	228.134709	-0.000038	.000200	. v .
25	2368	pP	56	5	0	227.563574	.000133	.000200	. v .
26	2369	pP	57	5	0	226.993926	.000111	.000200	. v .
27	2370	pP	58	5	0	226.425959	.000085	.000200	. v .
28	2371	pP	59	5	0	225.859788	.000165	.000200	. v .
29	2372	pP	60	5	0	225.295117	.000053	.000200	. v .
30	2373	pP	61	5	0	224.732466	.000264	.000200	. x .
31	2374	pP	62	5	0	224.171055	.000015	.000200	. v .
32	2375	pP	63	5	0	223.611686	.000106	.000200	. v .
33	2376	pP	64	5	0	223.053954	.000130	.000200	. v .
34	2377	pP	65	5	0	222.497924	.000149	.000200	. v .
35	2378	pP	66	5	0	221.943469	.000035	.000200	. v .
36	2379	pP	67	5	0	221.390461	-0.00342	.000500	. v .
37	2380	pP	68	5	0	220.840130	.000248	.000200	. x .
38	2381	pP	69	5	0	220.290765	.000092	.000200	. v .
39	2382	pP	70	5	0	219.742731	-0.000445	.000500	. v .
40	2383	pP	71	5	0	219.197896	.000505	.000500	. . x .
41	2384	pP	72	5	0	218.654056	.000737	.001000	. . v .
42	2385	pP	73	5	0	218.110262	-0.000698	.001000	. v .
43	2386	pP	74	5	0	217.570932	.000619	.000500	. . x .
44	2387	pP	75	5	0	217.031312	-0.000066	.000200	. v .
45	2388	pR	50	5	0	298.728140	-0.000009	.000200	. v .
46	2389	pR	51	5	0	299.482332	-0.000011	.000200	. v .
47	2390	pR	52	5	0	300.237794	-0.000014	.000200	. v .
48	2391	pR	53	5	0	300.994621	.000076	.000200	. v .
49	2392	pR	54	5	0	301.752579	.000027	.000200	. v .
50	2393	pR	55	5	0	302.511799	-0.000026	.000200	. v .
51	2394	pR	56	5	0	303.272284	-0.000079	.000200	. v .
52	2395	pR	57	5	0	304.034159	-0.000003	.000200	. v .
53	2396	pR	58	5	0	304.797179	-0.000040	.000200	. v .
54	2397	pR	59	5	0	305.561474	-0.000055	.000200	. v .
55	2398	pR	60	5	0	306.327012	-0.000076	.000200	. v .
56	2399	pR	61	5	0	307.093843	-0.000049	.000200	. v .
57	2400	pR	62	5	0	307.861902	-0.000033	.000200	. v .
58	2401	pR	63	5	0	308.631213	.000002	.000200	. v .
59									
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1	2	3	2402 pR 64 5 0	309.401709	-0.000006	.000200	. v .
4	2403 pR 65 5 0	310.173410	-0.000031	.000200	. v .		
5	2404 pR 66 5 0	310.946358	-0.000025	.000200	. v .		
6	2405 pR 67 5 0	311.720397	-0.000136	.000200	. v .		
7	2406 pR 68 5 0	312.495685	-0.000200	.000200	. x .		
8	2407 pR 69 5 0	313.272391	-0.000041	.000200	. v .		
9	2408 pR 70 5 0	314.050130	-0.000037	.000200	. v .		
10	2409 pR 71 5 0	314.828714	-0.000368	.000500	. v .		
11	2410 pR 72 5 0	315.608561	-0.000607	.001000	. v .		
12	2411 pR 73 5 0	316.391459	.001039	.001000	. . x		
13	2412 pR 74 5 0	317.172540	-0.000287	.000500	. v .		
14	2413 pR 75 5 0	317.956870	.000487	.000500	. . v .		
15	2414 pR 76 5 0	318.740613	-0.000465	.000500	. v .		
16	2415 pR 77 5 0	319.526864	-0.000040	.000200	. v .		
17	2416 pR 78 5 0	320.314064	.000211	.000200	. . x		
18	2417 pR 79 5 0	321.102966	.001051	.001000	. . x		
19	2418 pR 80 5 0	321.890977	-0.000104	.000200	. v .		
20	2419 pP 52 6 0	229.826169	.000069	.000200	. v .		
21	2420 pP 53 6 0	229.250924	.000114	.000200	. . v .		
22	2421 pP 54 6 0	228.677224	.000081	.000200	. v .		
23	2422 pP 55 6 0	228.105164	.000057	.000200	. v .		
24	2423 pP 56 6 0	227.534775	.000066	.000200	. v .		
25	2424 pP 57 6 0	226.966044	.000087	.000200	. v .		
26	2425 pP 58 6 0	226.398954	.000098	.000200	. v .		
27	2426 pP 59 6 0	225.833574	.000162	.000200	. . v .		
28	2427 pP 60 6 0	225.269721	.000090	.000200	. v .		
29	2428 pP 61 6 0	224.707598	.000081	.000200	. v .		
30	2429 pP 62 6 0	224.147190	.000115	.000200	. . v .		
31	2430 pP 63 6 0	223.588382	.000074	.000200	. v .		
32	2431 pP 64 6 0	223.031324	.000103	.000200	. . v .		
33	2432 pP 65 6 0	222.478045	.002229	.003000	. . . v		
34	2433 pP 66 6 0	221.922088	-0.000008	.000200	. v .		
35	2434 pP 67 6 0	221.368046	-.002017	.002000	x . . .		
36	2435 pP 68 6 0	220.820101	.000381	.000500	. . v .		
37	2436 pP 69 6 0	220.271096	.000028	.000200	. v .		
38	2437 pP 70 6 0	219.724219	.000110	.000200	. . v .		
39	2438 pP 71 6 0	219.177545	-.001300	.002000	v . . .		
40	2439 pP 72 6 0	218.635420	.000145	.000200	. . v .		
41	2440 pP 73 6 0	218.093917	.000516	.000500	. . x .		
42	2441 pP 74 6 0	217.553740	.000517	.000500	. . x .		
43	2442 pP 75 6 0	217.015415	.000673	.001000	. . v .		
44	2443 pP 76 6 0	216.478548	.000591	.001000	. . v .		
45	2444 pP 77 6 0	215.942867	-.000001	.000200	. v .		
46	2445 pP 78 6 0	215.409604	.000129	.000200	. . v .		
47	2446 pP 79 6 0	214.876032	-.001746	.002000	v . . .		
48	2447 pP 80 6 0	214.346906	-.000868	.001000	. v .		
49	2448 pP 81 6 0	213.819637	.000173	.000200	. . v .		
50	2449 pP 82 6 0	213.293300	.000453	.000500	. . v .		
51	2450 pP 83 6 0	212.767243	-.000677	.001000	. v .		
52	2451 pP 84 6 0	212.244553	-.000131	.000200	. v .		
53	2452 pP 85 6 0	211.723478	.000343	.000500	. . v .		
54	2453 pR 50 6 0	298.679248	-.000053	.000200	. v .		
55	2454 pR 51 6 0	299.434225	-.000011	.000200	. v .		
56	2455 pR 52 6 0	300.190397	-.000009	.000200	. v .		
57	2456 pR 53 6 0	300.947829	.000018	.000200	. v .		
58	2457 pR 54 6 0	301.706460	.000010	.000200	. v .		

2458	pR	55	6	0	302.466299	-0.000024	.000200	.	v	.
2459	pR	56	6	0	303.227398	-0.000031	.000200	.	v	.
2460	pR	57	6	0	303.989782	.000015	.000200	.	v	.
2461	pR	58	6	0	304.753314	-0.000019	.000200	.	v	.
2462	pR	59	6	0	305.518092	-0.000033	.000200	.	v	.
2463	pR	60	6	0	306.284143	.000002	.000200	.	v	.
2464	pR	61	6	0	307.051326	-0.000050	.000200	.	v	.
2465	pR	62	6	0	307.819779	-0.000048	.000200	.	v	.
2466	pR	63	6	0	308.589482	-0.000008	.000200	.	v	.
2467	pR	64	6	0	309.360355	-0.000004	.000200	.	v	.
2468	pR	65	6	0	310.132349	-0.000081	.000200	.	v	.
2469	pR	66	6	0	310.905627	-0.000070	.000200	.	v	.
2470	pR	67	6	0	311.680068	-0.000087	.000200	.	v	.
2471	pR	68	6	0	312.455813	.000015	.000200	.	v	.
2472	pR	69	6	0	313.231791	-0.000828	.001000	.	v	.
2473	pR	70	6	0	314.010566	-0.000047	.000200	.	v	.
2474	pR	71	6	0	314.789817	.000046	.000200	.	v	.
2475	pR	72	6	0	315.569974	-0.001114	.000200	.	v.	.
2476	pR	73	6	0	316.351221	-0.000335	.000500	.	v.	.
2477	pR	74	6	0	317.133495	-0.000673	.001000	.	v	.
2478	pR	75	6	0	317.918304	.000389	.000500	.	v	.
2479	pR	76	6	0	318.702325	-0.00466	.000500	.	v.	.
2480	pR	77	6	0	319.488813	.000026	.000200	.	v	.
2481	pR	78	6	0	320.276282	.000388	.000500	.	v	.
2482	pR	79	6	0	321.063965	-0.000141	.000200	.	v.	.
2483	pR	80	6	0	321.853411	-0.000001	.000200	.	v	.
2484	pR	81	6	0	322.644131	.000326	.000500	.	v	.
2485	pP	52	7	0	229.788469	.000068	.000200	.	v	.
2486	pP	53	7	0	229.214254	.000012	.000200	.	v	.
2487	pP	54	7	0	228.641740	.000072	.000200	.	v	.
2488	pP	55	7	0	228.070350	-0.000336	.000500	.	v	.
2489	pP	56	7	0	227.501444	.000138	.000200	.	v	.
2490	pP	57	7	0	226.933805	.000271	.000200	.	x	.
2491	pP	58	7	0	226.367264	-0.000116	.000200	.	v.	.
2492	pP	59	7	0	225.802961	.000111	.000200	.	v	.
2493	pP	60	7	0	225.240115	.000166	.000200	.	v	.
2494	pP	61	7	0	224.678783	.000097	.000200	.	v	.
2495	pP	62	7	0	224.119380	.000316	.000300	.	x	.
2496	pP	63	7	0	223.560639	-0.000450	.001000	.	v	.
2497	pP	64	7	0	223.004978	.000212	.000200	.	x	.
2498	pP	65	7	0	222.450296	.000197	.000200	.	v	.
2499	pP	66	7	0	221.896829	-0.000263	.000500	.	v	.
2500	pP	67	7	0	221.345908	.000160	.000200	.	v	.
2501	pP	68	7	0	220.795992	-0.000078	.000200	.	v	.
2502	pP	69	7	0	220.248871	.000809	.001000	.	v	.
2503	pP	70	7	0	219.701544	-0.000181	.000200	.	v	.
2504	pP	71	7	0	219.156977	-0.000085	.000200	.	v	.
2505	pP	72	7	0	218.613744	-0.000330	.000200	.	x	.
2506	pP	73	7	0	218.072595	-0.000168	.000200	.	v	.
2507	pP	74	7	0	217.533011	-0.000119	.000200	.	v	.
2508	pP	75	7	0	216.994789	-0.000387	.000200	.	x	.
2509	pP	76	7	0	216.458765	-0.000137	.000200	.	v	.
2510	pR	50	7	0	298.622444	.000041	.000200	.	v	.
2511	pR	51	7	0	299.378206	.000068	.000200	.	v	.
2512	pR	52	7	0	300.135050	-0.000021	.000200	.	v	.
2513	pR	53	7	0	300.893299	.000097	.000200	.	v	.

1	2	3	2514 pR 54 7 0	301.652504	-0.000029	.000200	. v .
4	5	6	2515 pR 55 7 0	302.413159	.000094	.000200	. v .
7	8	9	2516 pR 56 7 0	303.174628	-0.000169	.000200	. v .
10	11	12	2517 pR 57 7 0	303.937653	-0.000075	.000200	. v .
13	14	15	2518 pR 58 7 0	304.701879	.000020	.000200	. v .
16	17	18	2519 pR 59 7 0	305.467234	.000046	.000200	. v .
19	20	21	2520 pR 60 7 0	306.233666	-0.000046	.000200	. v .
22	23	24	2521 pR 61 7 0	307.001453	.000023	.000200	. v .
25	26	27	2522 pR 62 7 0	307.770453	.000114	.000200	. v .
28	29	30	2523 pR 63 7 0	308.540542	.000107	.000200	. v .
31	32	33	2524 pR 64 7 0	309.311563	-0.000152	.000200	. v .
34	35	36	2525 pR 65 7 0	310.084163	-0.000012	.000200	. v .
37	38	39	2526 pR 66 7 0	310.857795	-0.000015	.000200	. v .
40	41	42	2527 pR 67 7 0	311.632342	-0.000275	.000300	. v .
43	44	45	2528 pR 68 7 0	312.408557	-0.000032	.000200	. v .
46	47	48	2529 pR 69 7 0	313.185605	-0.000117	.000200	. v .
49	50	51	2530 pR 70 7 0	313.963923	-0.000086	.000200	. v .
52	53	54	2531 pR 71 7 0	314.743529	.000083	.000200	. v .
55	56	57	2532 pR 72 7 0	315.524058	.000033	.000200	. v .
58	59	60	2533 pR 73 7 0	316.305672	-0.000069	.000200	. v .
61	62	63	2534 pR 74 7 0	317.088644	.000059	.000200	. v .
64	65	66	2535 pP 52 8 0	229.745906	.000262	.000200	. x .
67	68	69	2536 pP 53 8 0	229.172735	.000027	.000200	. v .
70	71	72	2537 pP 54 8 0	228.601078	-0.000239	.000200	. x .
73	74	75	2538 pP 55 8 0	228.031672	.000190	.000200	. v .
76	77	78	2539 pP 56 8 0	227.463436	.000224	.000200	. x .
79	80	81	2540 pP 57 8 0	226.896468	-0.000049	.000200	. v .
82	83	84	2541 pP 58 8 0	226.331255	-0.000149	.000200	. v .
85	86	87	2542 pP 59 8 0	225.768157	.000276	.000200	. x .
88	89	90	2543 pP 60 8 0	225.205787	-0.000169	.000200	. v .
91	92	93	2544 pP 61 8 0	224.645778	.000142	.000200	. v .
94	95	96	2545 pP 62 8 0	224.086870	-0.000057	.000200	. v .
97	98	99	2546 pP 63 8 0	223.530043	.000207	.000200	. x .
100	101	102	2547 pP 64 8 0	222.974431	.000063	.000200	. v .
103	104	105	2548 pP 65 8 0	222.420353	-0.000175	.000200	. v .
106	107	108	2549 pP 66 8 0	221.868327	.000006	.000200	. v .
109	110	111	2550 pP 67 8 0	221.317670	-0.000082	.000200	. v .
112	113	114	2551 pP 68 8 0	220.768299	-0.000526	.000500	. x .
115	116	117	2552 pP 69 8 0	220.221677	.000134	.000200	. v .
118	119	120	2553 pP 70 8 0	219.675382	-0.000528	.000500	. x .
121	122	123	2554 pP 71 8 0	219.132322	.000394	.000500	. v .
124	125	126	2555 pP 72 8 0	218.589953	.000353	.000500	. v .
127	128	129	2556 pP 73 8 0	218.049112	.000183	.000500	. v .
130	131	132	2557 pP 74 8 0	217.509480	-0.000437	.000500	. v .
133	134	135	2558 pP 75 8 0	216.971022	-0.001542	.002000	v . .
136	137	138	2559 pP 76 8 0	216.437228	.000355	.000200	. x .
139	140	141	2560 pP 77 8 0	215.902889	.000044	.000200	. v .
142	143	144	2561 pR 50 8 0	298.557343	-0.000169	.000200	. v .
145	146	147	2562 pR 51 8 0	299.313887	-0.000200	.000200	. v .
148	149	150	2563 pR 52 8 0	300.072097	.000274	.000200	. x .
151	152	153	2564 pR 53 8 0	300.830755	.000031	.000200	. v .
154	155	156	2565 pR 54 8 0	301.589419	-0.001371	.002000	v . .
157	158	159	2566 pR 55 8 0	302.351977	-0.000048	.000200	. v .
160	161	162	2567 pR 56 8 0	303.114652	.000224	.000200	. x .
163	164	165	2568 pR 57 8 0	303.878083	.000083	.000200	. v .
166	167	168	2569 pR 58 8 0	304.642752	.000010	.000200	. v .

2570	pR	59	8	0	305.408555	-.000097	.000200	.	v	.
2571	pR	60	8	0	306.175913	.000182	.000200	.	.v	.
2572	pR	61	8	0	306.943810	-.000165	.000200	.	v.	.
2573	pR	62	8	0	307.713172	-.000213	.000200	.	x.	.
2574	pR	63	8	0	308.483671	-.000287	.000300	.	v.	.
2575	pR	64	8	0	309.255716	.000026	.000200	.	v	.
2576	pR	65	8	0	310.028567	-.000013	.000200	.	v	.
2577	pP	52	9	0	229.697292	.000277	.000200	.	.x	.
2578	pP	53	9	0	229.125561	.000170	.000200	.	.v	.
2579	pP	54	9	0	228.555336	.000058	.000200	.	v	.
2580	pP	55	9	0	227.986826	.000138	.000200	.	.v	.
2581	pP	56	9	0	227.419893	.000265	.000200	.	.x	.
2582	pP	57	9	0	226.854383	.000274	.000200	.	.x	.
2583	pP	59	9	0	225.727530	-.000196	.000500	.	v.	.
2584	pP	60	9	0	225.166886	.000007	.000200	.	v	.
2585	pP	61	9	0	224.607995	.000391	.000500	.	.v	.
2586	pP	62	9	0	224.048225	-.001686	.002000	v	.	.
2587	pP	63	9	0	223.493884	.000079	.000200	.	v	.
2588	pP	64	9	0	222.939753	.000461	.000500	.	.v	.
2589	pP	65	9	0	222.386866	.000486	.000500	.	.v	.
2590	pP	66	9	0	221.835020	-.000053	.000200	.	v	.
2591	pP	67	9	0	221.285673	.000296	.000500	.	.v	.
2592	pP	68	9	0	220.736780	-.000516	.000500	.	x	.
2593	pP	69	9	0	220.192151	.001315	.002000	.	.	v
2594	pP	70	9	0	219.646211	.000212	.000500	.	.v	.
2595	pP	71	9	0	219.102058	-.000733	.000500	.	x	.
2596	pP	72	9	0	218.561290	.000076	.000200	.	v	.
2597	pP	73	9	0	218.021432	.000160	.000500	.	.v	.
2598	pP	74	9	0	217.482621	-.000345	.000200	.	x	.
2599	pP	75	9	0	216.947445	.001145	.002000	.	.	v
2600	pP	76	9	0	216.411261	-.000015	.000200	.	v	.
2601	pP	77	9	0	215.877789	-.000107	.000200	.	v.	.
2602	pP	78	9	0	215.345933	-.000227	.000200	.	x.	.
2603	pR	50	9	0	298.483880	.000059	.000200	.	v	.
2604	pR	51	9	0	299.241248	-.000026	.000200	.	v	.
2605	pR	52	9	0	299.999814	-.000045	.000200	.	v	.
2606	pR	53	9	0	300.759634	.000058	.000200	.	v	.
2607	pR	54	9	0	301.520472	.000043	.000200	.	v	.
2608	pR	55	9	0	302.282392	-.000026	.000200	.	v	.
2609	pR	56	9	0	303.045304	-.000241	.000500	.	v.	.
2610	pR	57	9	0	303.809789	-.000022	.000200	.	v	.
2611	pR	58	9	0	304.575276	.000058	.000200	.	v	.
2612	pR	59	9	0	305.341758	-.000007	.000200	.	v	.
2613	pR	60	9	0	306.107786	-.001665	.002000	v	.	.
2614	pR	61	9	0	306.878298	.000020	.000200	.	v	.
2615	pR	62	9	0	307.648082	-.00161	.000200	.	v.	.
2616	pR	63	9	0	308.419096	-.000249	.000500	.	v.	.
2617	pR	64	9	0	309.191409	-.000174	.000200	.	v.	.
2618	pR	65	9	0	309.965087	.000133	.000200	.	.v	.
2619	pR	66	9	0	310.739686	.000230	.000200	.	x.	.
2620	pR	67	9	0	311.515123	.000037	.000500	.	v	.
2621	pR	68	9	0	312.291899	.000059	.000500	.	v	.
2622	pR	69	9	0	313.069582	-.000133	.001000	.	v.	.
2623	pR	70	9	0	313.848762	.000055	.000500	.	v	.
2624	pR	71	9	0	314.628511	-.000301	.001000	.	v.	.
2625	pR	72	9	0	315.410504	.000480	.000500	.	.v	.

1	2	3	2626 pR 73 9 0	316.192033	-0.00306	.000200	. x . .
4	2627 pR 74 9 0	316.975815	.000064	.000200	. v .		
5	2628 pR 75 9 0	317.759178	-0.001077	.001000	x . .		
6	2629 pR 76 9 0	318.545188	-0.000657	.000500	. x . .		
7	2630 pR 77 9 0	319.332277	-0.000237	.000200	. x . .		
8	2631 pP 52 10 0	229.634798	.000131	.000200	. .v .		
9	2632 pP 53 10 0	229.064861	.000194	.000200	. .v .		
10	2633 pP 54 10 0	228.495938	-0.000206	.000200	. x . .		
11	2634 pP 55 10 0	227.929046	-0.000061	.000500	. v .		
12	2635 pP 56 10 0	227.363511	-0.000052	.000200	. v .		
13	2636 pP 57 10 0	226.799425	-0.000098	.000200	. v .		
14	2637 pP 59 10 0	225.676226	.000239	.000200	. .x .		
15	2638 pP 60 10 0	225.116898	.000390	.000500	. .v .		
16	2639 pP 61 10 0	224.558442	-0.000125	.000200	. v . .		
17	2640 pP 62 10 0	224.002225	.000055	.002000	. v .		
18	2641 pP 63 10 0	223.447285	-0.000040	.000500	. v .		
19	2642 pP 64 10 0	222.893202	-0.000838	.001000	.v . .		
20	2643 pP 65 10 0	222.342330	.000009	.000200	. v .		
21	2644 pP 66 10 0	221.792481	.000307	.000500	. .v .		
22	2645 pP 67 10 0	221.244077	.000471	.001000	. .v .		
23	2646 pP 68 10 0	220.696652	.000031	.000200	. v .		
24	2647 pP 69 10 0	220.151305	.000079	.000200	. v .		
25	2648 pP 70 10 0	219.606170	-0.001256	.001000	x. . .		
26	2649 pP 71 10 0	219.065043	-0.000181	.000200	. v. .		
27	2650 pP 72 10 0	218.524368	-0.000258	.000200	. x. .		
28	2651 pP 73 10 0	217.984866	-0.000768	.000500	.x . .		
29	2652 pR 51 10 0	299.151953	-0.000133	.000200	. v. .		
30	2653 pR 52 10 0	299.910345	-0.001434	.002000	v. . .		
31	2654 pR 53 10 0	300.672581	.000009	.000200	. v .		
32	2655 pR 54 10 0	301.434435	-0.000032	.000200	. v .		
33	2656 pR 55 10 0	302.197006	-0.000458	.000500	. v . .		
34	2657 pR 56 10 0	302.962330	.000764	.001000	. . v.		
35	2658 pR 57 10 0	303.726048	-0.000726	.001000	.v . .		
36	2659 pR 58 10 0	304.493210	.000122	.000200	. .v .		
37	2660 pR 59 10 0	305.260943	.000433	.000500	. .v .		
38	2661 pR 60 10 0	306.028632	-0.000407	.000500	. v . .		
39	2662 pR 61 10 0	306.799258	.000581	.001000	. . v.		
40	2663 pR 62 10 0	307.568599	-0.000823	.001000	.v . .		
41	2664 pR 63 10 0	308.341229	-0.000045	.000200	. v .		
42	2665 pR 64 10 0	309.114321	.000089	.000200	. v .		
43	2666 pR 65 10 0	309.886854	-0.001441	.002000	v. . .		
44	2667 pR 66 10 0	310.663510	.000050	.000200	. v .		
45	2668 pR 67 10 0	311.438836	-0.000890	.001000	.v . .		
46	2669 pR 68 10 0	312.216877	-0.000213	.000200	. x. .		
47	2670 pR 69 10 0	312.994714	-0.000836	.001000	.v . .		
48	2671 pR 70 10 0	313.775569	.000468	.001000	. .v .		
49	2672 pR 71 10 0	314.555692	-0.000049	.000200	. v .		
50	2673 pR 72 10 0	315.335676	-0.001790	.002000	v . . .		
51	2674 pR 73 10 0	316.120086	-0.000185	.000200	. v. .		
52	2675 pR 74 10 0	316.903745	-0.000407	.000200	. * . .		
53	2676 pP 52 11 0	229.667844	.000271	.000200	. .x .		
54	2677 pP 53 11 0	229.099565	-0.000083	.000200	. v .		
55	2678 pP 54 11 0	228.532844	-0.000490	.001000	. v. .		
56	2679 pP 55 11 0	227.969436	.000772	.001000	. . v.		
57	2680 pP 56 11 0	227.405882	.000208	.000200	. .x .		
58	2681 pP 57 11 0	226.844334	-0.000072	.000200	. v .		

2682	pP	58	11	0	226.283945	-.000967	.001000		v	.	.
2683	pP	59	11	0	225.727530	.000274	.000200		.	x.	.
2684	pP	60	11	0	225.170366	-.001148	.001000		x.	.	.
2685	pP	61	11	0	224.617926	.000138	.001000		.	.v	.
2686	pP	62	11	0	224.064633	-.001576	.002000		v	.	.
2687	pP	12	12	0	253.569429	-.000448	.001000		.	v.	.
2688	pP	13	12	0	252.931299	-.000638	.001000		.	v.	.
2689	pP	14	12	0	252.295752	-.000661	.001000		.	v.	.
2690	pP	15	12	0	251.662749	-.000525	.001000		.	v.	.
2691	pP	17	12	0	250.404932	.000920	.001000		.	.	v
2692	pP	18	12	0	249.778046	.000230	.000200		.	.x	.
2693	pP	19	12	0	249.153521	-.000335	.000500		.	v.	.
2694	pP	20	12	0	248.531719	-.000373	.001000		.	v.	.
2695	pP	21	12	0	247.912747	.000266	.000200		.	.x	.
2696	pP	22	12	0	247.293479	-.001499	.002000		v.	.	.
2697	pP	23	12	0	246.680109	.000569	.000500		.	.	x.
2698	pP	24	12	0	246.066797	.000677	.000500		.	.	x.
2699	pP	27	12	0	244.237488	-.000035	.000200		.	v	.
2700	pP	28	12	0	243.631624	-.000104	.000500		.	v.	.
2701	pP	29	12	0	243.027514	-.000217	.000500		.	v.	.
2702	pP	30	12	0	242.425748	.000259	.000200		.	.x	.
2703	pP	36	12	0	238.846678	-.000139	.000200		.	v.	.
2704	pP	37	12	0	238.255657	-.000215	.000200		.	x.	.
2705	pP	38	12	0	237.666362	-.000067	.000200		.	v	.

File #	2	2nu80_a.wn	No.	data	: 1202 .00500 cm-1 ->	----+---0----+----
2706 qP	1	0	0	523.957972	-.000135 .000200	. v .
2707 qP	2	0	0	523.291906	-.000779 .001000	. v .
2708 qP	3	0	0	522.631627	-.000857 .001000	. v .
2709 qP	4	0	0	521.976659	-.000819 .001000	. v .
2710 qP	5	0	0	521.326895	-.000725 .000500	. x .
2711 qP	7	0	0	520.041382	-.001718 .002000	. v .
2712 qP	9	0	0	518.777306	-.000953 .001000	. v .
2713 qP	10	0	0	518.152785	-.000161 .000200	. v .
2714 qP	11	0	0	517.531703	-.000495 .000500	. v .
2715 qP	12	0	0	516.914343	-.001530 .002000	. v .
2716 qP	13	0	0	516.301839	-.001976 .002000	. v .
2717 qP	14	0	0	515.696004	.000139 .001000	. v .
2718 qP	15	0	0	515.090206	-.001651 .002000	. v .
2719 qP	16	0	0	514.490950	-.000674 .000500	. x .
2720 qP	17	0	0	513.895073	.000070 .001000	. v .
2721 qP	18	0	0	513.302170	.000337 .001000	. v .
2722 qP	19	0	0	512.711099	-.000867 .000500	. x .
2723 qP	20	0	0	512.123900	-.001364 .001000	. x .
2724 qP	21	0	0	511.541502	-.000101 .000500	. v .
2725 qP	22	0	0	510.961218	.000342 .001000	. v .
2726 qP	23	0	0	510.382532	-.000463 .000500	. v .
2727 qP	24	0	0	509.808348	.000461 .001000	. v .
2728 qP	25	0	0	509.234600	-.000900 .001000	. v .
2729 qP	26	0	0	508.662907	-.002889 .003000	v. .
2730 qP	27	0	0	508.097732	-.001020 .001000	. x .
2731 qP	28	0	0	507.534138	-.000222 .000200	. x .
2732 qP	29	0	0	506.972479	-.000142 .000200	. v .
2733 qP	30	0	0	506.412721	-.000826 .001000	. v .
2734 qP	31	0	0	505.856479	-.000677 .001000	. v .
2735 qP	32	0	0	505.303301	-.000171 .000200	. v .

1	2	3	2736 qP 33 0 0	504.752511	-.000012	.000200	. v .
4	2737 qP 34 0 0	504.204327	-.000012	.000200	. v .		
5	2738 qP 35 0 0	503.658951	.000000	.000200	. v .		
6	2739 qP 36 0 0	503.116447	.000055	.000200	. v .		
7	2740 qP 37 0 0	502.576695	.000001	.000200	. v .		
8	2741 qP 38 0 0	502.039755	-.000132	.000200	. v .		
9	2742 qP 39 0 0	501.506022	.000021	.000200	. v .		
10	2743 qP 40 0 0	500.975021	-.000044	.000200	. v .		
11	2744 qP 41 0 0	500.447203	.000099	.000200	. v .		
12	2745 qP 42 0 0	499.922253	.000108	.000200	. v .		
13	2746 qP 43 0 0	499.400312	.000103	.000200	. v .		
14	2747 qP 44 0 0	498.881363	.000044	.000200	. v .		
15	2748 qP 45 0 0	498.365550	.000057	.000200	. v .		
16	2749 qP 46 0 0	497.852820	.000070	.000200	. v .		
17	2750 qP 47 0 0	497.343150	.000046	.000200	. v .		
18	2751 qP 48 0 0	496.836606	.000035	.000200	. v .		
19	2752 qP 49 0 0	496.333196	.000032	.000200	. v .		
20	2753 qP 50 0 0	495.832981	.000088	.000200	. v .		
21	2754 qP 51 0 0	495.335781	.000013	.000200	. v .		
22	2755 qP 52 0 0	494.841835	.000036	.000200	. v .		
23	2756 qP 53 0 0	494.350997	.000004	.000200	. v .		
24	2757 qP 54 0 0	493.863337	-.000019	.000200	. v .		
25	2758 qP 55 0 0	493.378855	-.000039	.000200	. v .		
26	2759 qP 56 0 0	492.897452	-.000159	.000200	. v .		
27	2760 qP 57 0 0	492.419469	-.000041	.000200	. v .		
28	2761 qP 58 0 0	491.944490	-.000104	.000200	. v .		
29	2762 qP 59 0 0	491.472788	-.000078	.000200	. v .		
30	2763 qP 60 0 0	491.004283	-.000042	.000200	. v .		
31	2764 qP 61 0 0	490.538882	-.000090	.000200	. v .		
32	2765 qP 62 0 0	490.076723	-.000084	.000200	. v .		
33	2766 qP 63 0 0	489.617784	-.000045	.000200	. v .		
34	2767 qP 64 0 0	489.162048	.000011	.000200	. v .		
35	2768 qP 65 0 0	488.709343	-.000084	.000200	. v .		
36	2769 qP 66 0 0	488.259947	-.000051	.000200	. v .		
37	2770 qP 67 0 0	487.813814	.000068	.000200	. v .		
38	2771 qP 68 0 0	487.370710	.000042	.000200	. v .		
39	2772 qP 69 0 0	486.930755	-.000005	.000200	. v .		
40	2773 qP 70 0 0	486.494468	.000451	.000500	. v .		
41	2774 qP 71 0 0	486.060374	-.000059	.000200	. v .		
42	2775 qP 72 0 0	485.630841	.000837	.001000	. v .		
43	2776 qP 73 0 0	485.202979	.000254	.000200	. x .		
44	2777 qP 74 0 0	484.778926	.000338	.000200	. x .		
45	2778 qP 75 0 0	484.358170	.000583	.000500	. x .		
46	2779 qP 76 0 0	483.940029	.000313	.000500	. v .		
47	2780 qP 77 0 0	483.525929	.000961	.001000	. v .		
48	2781 qP 78 0 0	483.114255	.000921	.001000	. v .		
49	2782 qP 79 0 0	482.706118	.001310	.001000	. x .		
50	2783 qP 80 0 0	482.299876	.000495	.000500	. v .		
51	2784 qP 81 0 0	481.897628	.000584	.000500	. x .		
52	2785 qP 82 0 0	481.498025	.000235	.000200	. x .		
53	2786 qP 83 0 0	481.101928	.000319	.000200	. x .		
54	2787 qP 84 0 0	480.709371	.000879	.000500	. x .		
55	2788 qP 85 0 0	480.318689	.000259	.000500	. v .		
56	2789 qR 1 0 0	525.984224	-.001520	.002000	. v .		
57	2790 qR 2 0 0	526.671276	-.000739	.001000	. v .		
58	2791 qR 3 0 0	527.362013	-.001396	.002000	. v .		
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3	2792	qR	4	0	0	528.058628	-.001231	.001000	. x . .
4	2793	qR	5	0	0	528.760543	-.000739	.000500	. x . .
5	2794	qR	6	0	0	529.466110	-.001470	.002000	. v . .
6	2795	qR	7	0	0	530.178960	.000320	.001000	. .v . .
7	2796	qR	8	0	0	530.893334	-.001000	.001000	. v . .
8	2797	qR	9	0	0	531.614639	.000117	.001000	. v . .
9	2798	qR	10	0	0	532.337603	-.001451	.001000	. x . .
10	2799	qR	11	0	0	533.066905	-.000862	.000500	. x . .
11	2800	qR	12	0	0	533.799701	-.000792	.000500	. x . .
12	2801	qR	13	0	0	534.537308	.000248	.001000	. v . .
13	2802	qR	14	0	0	535.277205	-.000088	.000500	. v . .
14	2803	qR	15	0	0	536.020128	-.000893	.000500	. x . .
15	2804	qR	16	0	0	536.767934	-.000144	.000500	. v . .
16	2805	qR	17	0	0	537.516236	-.002069	.002000	.x . .
17	2806	qR	18	0	0	538.271137	-.000421	.000200	. * . .
18	2807	qR	19	0	0	539.027795	.000090	.001000	. v . .
19	2808	qR	20	0	0	539.784154	-.002479	.003000	v . .
20	2809	qR	21	0	0	540.548119	-.000126	.000500	. v . .
21	2810	qR	22	0	0	541.312297	-.000165	.000300	. v . .
22	2811	qR	23	0	0	542.078775	-.000447	.000500	. v . .
23	2812	qR	24	0	0	542.848207	-.000274	.000200	. x. .
24	2813	qR	25	0	0	543.619465	-.000743	.000500	. x. .
25	2814	qR	26	0	0	544.394067	-.000321	.000200	. x. .
26	2815	qR	27	0	0	545.170655	-.000360	.000200	. x. .
27	2816	qR	28	0	0	545.950163	.000070	.000300	. v . .
28	2817	qR	29	0	0	546.731594	-.000037	.000200	. v . .
29	2818	qR	30	0	0	547.515247	-.000401	.000300	. x. .
30	2819	qR	31	0	0	548.302050	-.000112	.000200	. v . .
31	2820	qR	32	0	0	549.091232	.000035	.000200	. v . .
32	2821	qR	33	0	0	549.882675	-.000102	.000200	. v . .
33	2822	qR	34	0	0	550.676922	-.000004	.000200	. v . .
34	2823	qR	35	0	0	551.473696	.000027	.000200	. v . .
35	2824	qR	36	0	0	552.273022	-.000006	.000200	. v . .
36	2825	qR	37	0	0	553.075053	.000026	.000200	. v . .
37	2826	qR	38	0	0	553.879690	.000004	.000200	. v . .
38	2827	qR	39	0	0	554.687017	-.000006	.000200	. v . .
39	2828	qR	40	0	0	555.497215	.000158	.000200	. v . .
40	2829	qR	41	0	0	556.309824	.000021	.000200	. v . .
41	2830	qR	42	0	0	557.125276	.000001	.000200	. v . .
42	2831	qR	43	0	0	557.943580	.000096	.000200	. v . .
43	2832	qR	44	0	0	558.764443	.000003	.000200	. v . .
44	2833	qR	45	0	0	559.588216	.000063	.000200	. v . .
45	2834	qR	46	0	0	560.414554	-.000074	.000200	. v . .
46	2835	qR	47	0	0	561.243869	-.000002	.000200	. v . .
47	2836	qR	48	0	0	562.075866	-.000020	.000200	. v . .
48	2837	qR	49	0	0	562.910670	-.000005	.000200	. v . .
49	2838	qR	50	0	0	563.748213	-.000027	.000200	. v . .
50	2839	qR	51	0	0	564.588567	-.000013	.000200	. v . .
51	2840	qR	52	0	0	565.431654	-.000041	.000200	. v . .
52	2841	qR	53	0	0	566.277366	-.000216	.000200	. x . .
53	2842	qR	54	0	0	567.126209	-.000030	.000200	. v . .
54	2843	qR	55	0	0	567.977577	-.000083	.000200	. v . .
55	2844	qR	56	0	0	568.833924	.002083	.003000	. . v. .
56	2845	qR	57	0	0	569.688759	-.000018	.000200	. v . .
57	2846	qR	58	0	0	570.548297	-.000164	.000200	. v . .
58	2847	qR	59	0	0	571.410855	-.000030	.000200	. v . .
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1	2	3	2848	qR 60 0 0	572.276144	.000101	.000200	.	v	.	
4	2849	qR 61 0 0	573.143879	-.000046	.000200	.	v	.			
5	2850	qR 62 0 0	574.014894	.000372	.000500	.	.v	.			
6	2851	qR 63 0 0	574.888021	.000196	.000200	.	v	.			
7	2852	qR 64 0 0	575.763727	-.000096	.000200	.	v	.			
8	2853	qR 65 0 0	576.641836	-.000670	.001000	.	v.	.			
9	2854	qR 66 0 0	577.523410	-.000454	.000500	.	v.	.			
10	2855	qR 67 0 0	578.408274	.000391	.000500	.	.v	.			
11	2856	qR 68 0 0	579.294575	.000023	.000200	.	v	.			
12	2857	qR 69 0 0	580.183467	-.000392	.001000	.	v.	.			
13	2858	qR 70 0 0	581.076374	.000583	.000500	.	.x	.			
14	2859	qR 71 0 0	581.970658	.000323	.000200	.	.x	.			
15	2860	qR 72 0 0	582.867281	-.000196	.001000	.	v	.			
16	2861	qP 17 1 0	513.893543	.000285	.000200	.	.x	.			
17	2862	qP 18 1 0	513.300240	.000234	.000200	.	x	.			
18	2863	qP 19 1 0	512.711099	.001056	.001000	.	.x	.			
19	2864	qP 20 1 0	512.123900	.000668	.000500	.	.x	.			
20	2865	qP 21 1 0	511.539707	.000255	.000200	.	.x	.			
21	2866	qP 22 1 0	510.959583	.000985	.001000	.	.v	.			
22	2867	qP 23 1 0	510.380925	.000342	.000300	.	.x	.			
23	2868	qP 24 1 0	509.805836	.000497	.000500	.	.v	.			
24	2869	qP 25 1 0	509.232925	.000110	.000200	.	v	.			
25	2870	qP 26 1 0	508.662907	-.000069	.000200	.	v	.			
26	2871	qP 27 1 0	508.095873	.000072	.000200	.	v	.			
27	2872	qP 28 1 0	507.532173	.000889	.001000	.	.v	.			
28	2873	qP 29 1 0	506.969764	.000335	.000500	.	.v	.			
29	2874	qP 30 1 0	506.412721	.002473	.003000	.	.v	.			
30	2875	qP 31 1 0	505.853826	.000066	.000200	.	v	.			
31	2876	qP 32 1 0	505.300194	.000204	.000200	.	x	.			
32	2877	qP 33 1 0	504.749147	.000181	.000200	.	v	.			
33	2878	qP 34 1 0	504.200147	-.000570	.001000	.	v	.			
34	2879	qP 35 1 0	503.655308	.000032	.000200	.	v	.			
35	2880	qP 36 1 0	503.112788	.000114	.000200	.	v	.			
36	2881	qP 37 1 0	502.573053	.000112	.000200	.	v	.			
37	2882	qP 38 1 0	502.036128	.000019	.000200	.	v	.			
38	2883	qP 39 1 0	501.502296	.000089	.000200	.	v	.			
39	2884	qP 40 1 0	500.971439	.000177	.000200	.	v	.			
40	2885	qP 41 1 0	500.443325	.000025	.000200	.	v	.			
41	2886	qP 42 1 0	499.918414	.000069	.000200	.	v	.			
42	2887	qP 43 1 0	499.396477	.000058	.000200	.	v	.			
43	2888	qP 44 1 0	498.877538	-.000006	.000200	.	v	.			
44	2889	qP 45 1 0	498.361748	.000011	.000200	.	v	.			
45	2890	qP 46 1 0	497.849040	.000023	.000200	.	v	.			
46	2891	qP 47 1 0	497.339420	.000022	.000200	.	v	.			
47	2892	qP 48 1 0	496.832847	-.000047	.000200	.	v	.			
48	2893	qP 49 1 0	496.329530	.000012	.000200	.	v	.			
49	2894	qP 50 1 0	495.829266	-.000014	.000200	.	v	.			
50	2895	qP 51 1 0	495.332123	-.000068	.000200	.	v	.			
51	2896	qP 52 1 0	494.838203	-.000056	.000200	.	v	.			
52	2897	qP 53 1 0	494.347453	-.000037	.000200	.	v	.			
53	2898	qP 54 1 0	493.859821	-.000071	.000200	.	v	.			
54	2899	qP 55 1 0	493.375375	-.000094	.000200	.	v	.			
55	2900	qP 56 1 0	492.894142	-.000083	.000200	.	v	.			
56	2901	qP 57 1 0	492.416073	-.000091	.000200	.	v	.			
57	2902	qP 58 1 0	491.941178	-.000111	.000200	.	v	.			
58	2903	qP 59 1 0	491.469501	-.000099	.000200	.	v	.			
59											
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2904	qP	60	1	0	491.000952	-0.000147	.000200	.	v	.
2905	qP	61	1	0	490.535652	-0.000133	.000200	.	v	.
2906	qP	62	1	0	490.073473	-0.000187	.000200	.	v	.
2907	qP	63	1	0	489.614610	-0.000110	.000200	.	v	.
2908	qP	64	1	0	489.158888	-0.000078	.000200	.	v	.
2909	qP	65	1	0	488.706444	.000050	.000200	.	v	.
2910	qP	66	1	0	488.256829	-0.000173	.000200	.	v	.
2911	qP	67	1	0	487.810602	-0.000184	.000200	.	v	.
2912	qP	68	1	0	487.367687	-0.000057	.000200	.	v	.
2913	qP	69	1	0	486.927973	.000103	.000200	.	v	.
2914	qP	70	1	0	486.491343	.000182	.000200	.	v	.
2915	qP	71	1	0	486.057652	.000041	.000200	.	v	.
2916	qR	26	1	0	544.390555	.000064	.000200	.	v	.
2917	qR	27	1	0	545.166986	.000013	.000200	.	v	.
2918	qR	28	1	0	545.945923	.000009	.000200	.	v	.
2919	qR	29	1	0	546.727342	.000015	.000200	.	v	.
2920	qR	30	1	0	547.511069	-0.000160	.000200	.	v	.
2921	qR	31	1	0	548.297541	-0.000099	.000200	.	v	.
2922	qR	32	1	0	549.086557	-0.000025	.000200	.	v	.
2923	qR	33	1	0	549.878182	.000102	.000200	.	v	.
2924	qR	34	1	0	550.672208	.000050	.000200	.	v	.
2925	qR	35	1	0	551.468749	-0.000089	.000200	.	v	.
2926	qR	36	1	0	552.268238	.000093	.000200	.	v	.
2927	qR	37	1	0	553.070132	.000032	.000200	.	v	.
2928	qR	38	1	0	553.874738	.000016	.000200	.	v	.
2929	qR	39	1	0	554.681903	-0.000127	.000200	.	v	.
2930	qR	40	1	0	555.492032	-0.000010	.000200	.	v	.
2931	qR	41	1	0	556.304785	.000015	.000200	.	v	.
2932	qR	42	1	0	557.120214	-0.000016	.000200	.	v	.
2933	qR	43	1	0	557.938385	-0.000046	.000200	.	v	.
2934	qR	44	1	0	558.759243	-0.000141	.000200	.	v	.
2935	qR	45	1	0	559.583070	-0.000026	.000200	.	v	.
2936	qR	46	1	0	560.409591	.000017	.000200	.	v	.
2937	qR	47	1	0	561.238760	-0.000062	.000200	.	v	.
2938	qR	48	1	0	562.070480	-0.000365	.000300	.	x.	.
2939	qR	49	1	0	562.905478	-0.000166	.000200	.	v	.
2940	qR	50	1	0	563.743144	-0.000075	.000200	.	v	.
2941	qR	51	1	0	564.583483	-0.000089	.000200	.	v	.
2942	qR	52	1	0	565.426581	-0.000119	.000200	.	v	.
2943	qR	53	1	0	566.272503	-0.000098	.000200	.	v	.
2944	qR	54	1	0	567.121196	-0.000076	.000200	.	v	.
2945	qR	55	1	0	567.972563	-0.000145	.000200	.	v	.
2946	qR	56	1	0	568.826665	-0.000239	.000200	.	x	.
2947	qR	57	1	0	569.683810	-0.000045	.000200	.	v	.
2948	qR	58	1	0	570.543398	-0.000156	.000200	.	v	.
2949	qR	59	1	0	571.405990	-0.000004	.000200	.	v	.
2950	qR	60	1	0	572.271018	-0.000149	.000200	.	v	.
2951	qR	61	1	0	573.138879	-0.000184	.000200	.	v	.
2952	qR	62	1	0	574.009555	-0.000120	.000200	.	v	.
2953	qR	63	1	0	574.882527	-0.000465	.000500	.	v.	.
2954	qP	3	2	0	522.626066	.000223	.000200	.	x	.
2955	qP	4	2	0	521.971115	.000197	.000200	.	v	.
2956	qP	5	2	0	521.321283	.000136	.000300	.	v	.
2957	qP	6	2	0	520.676607	.000143	.000300	.	v	.
2958	qP	7	2	0	520.037044	.000252	.000200	.	x.	.
2959	qP	8	2	0	519.402299	.000266	.000200	.	x.	.

1	2	3	2960 qP 9 2 0	518.772348	.000270	.000200	. .x .
4	2961 qP 10 2 0	518.147059	.000261	.000200	. .x .		
5	2962 qP 11 2 0	517.526721	.000665	.000500	. .x .		
6	2963 qP 12 2 0	516.909937	.000237	.000200	. x .		
7	2964 qP 13 2 0	516.297999	.000430	.000300	. .x .		
8	2965 qP 14 2 0	515.690007	.000510	.000500	. .x .		
9	2966 qP 15 2 0	515.085478	.000164	.000200	. v .		
10	2967 qP 16 2 0	514.485366	.000518	.000500	. .x .		
11	2968 qP 17 2 0	513.888337	.000402	.000300	. .x .		
12	2969 qP 18 2 0	513.294323	-.000093	.000200	. v .		
13	2970 qP 19 2 0	512.704408	.000263	.000200	. .x .		
14	2971 qP 20 2 0	512.117656	.000668	.001000	. v .		
15	2972 qP 21 2 0	511.533001	.000170	.000200	. v .		
16	2973 qP 22 2 0	510.951720	.000144	.000200	. v .		
17	2974 qP 23 2 0	510.373432	.000288	.000200	. .x .		
18	2975 qP 24 2 0	509.797785	.000310	.000200	. .x .		
19	2976 qP 25 2 0	509.224974	.000448	.003000	. .v .		
20	2977 qP 26 2 0	508.654484	.000213	.000200	. x .		
21	2978 qP 27 2 0	508.087097	.000402	.000300	. .x .		
22	2979 qP 28 2 0	507.521920	.000121	.000200	. v .		
23	2980 qP 29 2 0	506.959702	.000113	.000200	. v .		
24	2981 qP 30 2 0	506.400242	.000158	.000200	. v .		
25	2982 qP 31 2 0	505.843555	.000252	.000200	. .x .		
26	2983 qP 32 2 0	505.288094	-.001178	.002000	. v .		
27	2984 qP 33 2 0	504.738412	.000391	.000500	. .v .		
28	2985 qP 34 2 0	504.189790	.000211	.000200	. x .		
29	2986 qP 35 2 0	503.644071	.000096	.000200	. v .		
30	2987 qP 36 2 0	503.101427	.000186	.000200	. v .		
31	2988 qP 37 2 0	502.561688	.000282	.000200	. x .		
32	2989 qP 38 2 0	502.024688	.000190	.000200	. v .		
33	2990 qP 39 2 0	501.490641	.000097	.000200	. v .		
34	2991 qP 40 2 0	500.959783	.000213	.000200	. x .		
35	2992 qP 41 2 0	500.431810	.000211	.000200	. x .		
36	2993 qP 42 2 0	499.906794	.000140	.000200	. v .		
37	2994 qP 43 2 0	499.384979	.000224	.000200	. x .		
38	2995 qP 44 2 0	498.866151	.000230	.000200	. x .		
39	2996 qP 45 2 0	498.350284	.000116	.000200	. v .		
40	2997 qP 46 2 0	497.837717	.000205	.000200	. x .		
41	2998 qP 47 2 0	497.328068	.000100	.000200	. v .		
42	2999 qP 48 2 0	496.821693	.000146	.000200	. v .		
43	3000 qP 49 2 0	496.318382	.000121	.000200	. v .		
44	3001 qP 50 2 0	495.818222	.000102	.000200	. v .		
45	3002 qP 51 2 0	495.321213	.000082	.000200	. v .		
46	3003 qP 52 2 0	494.827381	.000077	.000200	. v .		
47	3004 qP 53 2 0	494.336734	.000090	.000200	. v .		
48	3005 qP 54 2 0	493.849223	.000066	.000200	. v .		
49	3006 qP 55 2 0	493.365009	.000163	.000200	. v .		
50	3007 qP 56 2 0	492.883748	.000031	.000200	. v .		
51	3008 qP 57 2 0	492.405891	.000120	.000200	. v .		
52	3009 qP 58 2 0	491.931045	.000034	.000200	. v .		
53	3010 qP 59 2 0	491.459475	.000037	.000200	. v .		
54	3011 qP 60 2 0	490.991104	.000052	.000200	. v .		
55	3012 qP 61 2 0	490.525861	.000008	.000200	. v .		
56	3013 qP 62 2 0	490.063766	-.000075	.000200	. v .		
57	3014 qP 63 2 0	489.604965	-.000050	.000200	. v .		
58	3015 qP 64 2 0	489.149415	.000043	.000200	. v .		
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3	3016	qP	65	2	0	488.696908	-.000003	.000200		.	v	.	
4	3017	qP	66	2	0	488.247544	-.000084	.000200		.	v	.	
5	3018	qP	67	2	0	487.801459	-.000061	.000200		.	v	.	
6	3019	qP	68	2	0	487.358837	.000254	.000200		.	x	.	
7	3020	qP	69	2	0	486.918778	-.000035	.000200		.	v	.	
8	3021	qP	70	2	0	486.482534	.000328	.000200		.	x	.	
9	3022	qP	71	2	0	486.048943	.000187	.000200		.	v	.	
10	3023	qP	72	2	0	485.618839	.000381	.000200		.	x	.	
11	3024	qR	2	2	0	526.665320	.000289	.000200		.	x	.	
12	3025	qR	3	2	0	527.356640	.000251	.000200		.	x	.	
13	3026	qR	4	2	0	528.053050	.000247	.000200		.	x	.	
14	3027	qR	5	2	0	528.754435	.000249	.000200		.	x	.	
15	3028	qR	6	2	0	529.460664	.000230	.000200		.	x	.	
16	3029	qR	7	2	0	530.171724	.000296	.000200		.	x	.	
17	3030	qR	8	2	0	530.887404	.000369	.000200		.	x	.	
18	3031	qR	9	2	0	531.607530	.000422	.000200		.	*	.	
19	3032	qR	10	2	0	532.331846	.000358	.000200		.	x	.	
20	3033	qR	11	2	0	533.060051	.000043	.000200		.	v	.	
21	3034	qR	12	2	0	533.792648	.000156	.000200		.	v	.	
22	3035	qR	13	2	0	534.528968	.000204	.000200		.	x	.	
23	3036	qR	14	2	0	535.268858	.000213	.000200		.	x	.	
24	3037	qR	15	2	0	536.012189	.000227	.000200		.	x	.	
25	3038	qR	16	2	0	536.757729	-.000821	.001000		.	v	.	
26	3039	qR	17	2	0	537.507957	-.000296	.000500		.	v	.	
27	3040	qR	18	2	0	538.261096	.000163	.000200		.	v	.	
28	3041	qR	19	2	0	539.016684	.000217	.000200		.	x	.	
29	3042	qR	20	2	0	539.774921	.000173	.000200		.	v	.	
30	3043	qR	21	2	0	540.535777	.000086	.000200		.	v	.	
31	3044	qR	22	2	0	541.299434	.000205	.000200		.	x	.	
32	3045	qR	23	2	0	542.065524	.000214	.000200		.	x	.	
33	3046	qR	24	2	0	542.834034	.000133	.000200		.	v	.	
34	3047	qR	25	2	0	543.605097	.000116	.000200		.	v	.	
35	3048	qR	26	2	0	544.378675	.000134	.000200		.	v	.	
36	3049	qR	27	2	0	545.154969	.000387	.000200		.	x	.	
37	3050	qR	28	2	0	545.933157	.000045	.000500		.	v	.	
38	3051	qR	29	2	0	546.714331	.000185	.000200		.	v	.	
39	3052	qR	30	2	0	547.497616	-.000086	.000200		.	v	.	
40	3053	qR	31	2	0	548.283585	-.000215	.000500		.	v	.	
41	3054	qR	32	2	0	549.073244	.000780	.001000		.	v	.	
42	3055	qR	33	2	0	549.863715	.000000	.000200		.	v	.	
43	3056	qR	34	2	0	550.657735	.000159	.000200		.	v	.	
44	3057	qR	35	2	0	551.454261	.000191	.000200		.	v	.	
45	3058	qR	36	2	0	552.253500	.000283	.000200		.	x	.	
46	3059	qR	37	2	0	553.055052	.000015	.000200		.	v	.	
47	3060	qR	38	2	0	553.859787	.000239	.000200		.	x	.	
48	3061	qR	39	2	0	554.666817	.000051	.000200		.	v	.	
49	3062	qR	40	2	0	555.476772	.000067	.000200		.	v	.	
50	3063	qR	41	2	0	556.289408	.000030	.000200		.	v	.	
51	3064	qR	42	2	0	557.104962	.000164	.000200		.	v	.	
52	3065	qR	43	2	0	557.923072	.000100	.000200		.	v	.	
53	3066	qR	44	2	0	558.744011	.000101	.000200		.	v	.	
54	3067	qR	45	2	0	559.567813	.000196	.000200		.	v	.	
55	3068	qR	46	2	0	560.394226	.000128	.000200		.	v	.	
56	3069	qR	47	2	0	561.223768	.000410	.000200		.	*	.	
57	3070	qR	48	2	0	562.055520	.000122	.000200		.	v	.	
58	3071	qR	49	2	0	562.890095	-.000125	.000200		.	v	.	
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3	3072	qR	50	2	0	563.727917	.000093	.000200		.	v	.	
4	3073	qR	51	2	0	564.568335	.000127	.000200		.	v	.	
5	3074	qR	52	2	0	565.411408	.000038	.000200		.	v	.	
6	3075	qR	53	2	0	566.257372	.000063	.000200		.	v	.	
7	3076	qR	54	2	0	567.105956	-.000062	.000200		.	v	.	
8	3077	qR	55	2	0	567.957446	-.000049	.000200		.	v	.	
9	3078	qR	56	2	0	568.811755	.000022	.000200		.	v	.	
10	3079	qR	57	2	0	569.668788	.000062	.000200		.	v	.	
11	3080	qR	58	2	0	570.528465	-.000002	.000200		.	v	.	
12	3081	qR	59	2	0	571.390777	-.000172	.000200		.	v	.	
13	3082	qR	60	2	0	572.256278	.000115	.000200		.	v	.	
14	3083	qR	61	2	0	573.123706	-.000395	.000500		.	v.	.	
15	3084	qR	62	2	0	573.994615	-.000138	.000200		.	v	.	
16	3085	qR	63	2	0	574.867951	-.000159	.000200		.	v	.	
17	3086	qR	64	2	0	575.744121	-.000040	.000200		.	v	.	
18	3087	qR	65	2	0	576.623521	.000625	.001000		.	.v	.	
19	3088	qR	66	2	0	577.504364	.000062	.000200		.	v	.	
20	3089	qR	67	2	0	578.388479	.000110	.000200		.	v	.	
21	3090	qR	68	2	0	579.274596	-.000488	.001000		.	v.	.	
22	3091	qR	69	2	0	580.164721	.000285	.000200		.	.x	.	
23	3092	qR	70	2	0	581.057240	.000830	.001000		.	.v	.	
24	3093	qR	71	2	0	581.951735	.000741	.001000		.	.v	.	
25	3094	qP	4	3	0	521.963028	.000243	.000300		.	v	.	
26	3095	qP	5	3	0	521.313403	.000279	.000300		.	.v	.	
27	3096	qP	6	3	0	520.668852	.000301	.000200		.	.x	.	
28	3097	qP	7	3	0	520.029287	.000305	.000200		.	.x	.	
29	3098	qP	8	3	0	519.394663	.000349	.000200		.	.x	.	
30	3099	qP	9	3	0	518.764688	.000262	.000200		.	.x	.	
31	3100	qP	10	3	0	518.139509	.000326	.000200		.	.x	.	
32	3101	qP	11	3	0	517.518206	-.000231	.001000		.	v	.	
33	3102	qP	12	3	0	516.902300	.000273	.000200		.	.x	.	
34	3103	qP	13	3	0	516.290148	.000365	.000200		.	.x	.	
35	3104	qP	14	3	0	515.681382	-.000148	.000500		.	v	.	
36	3105	qP	15	3	0	515.077836	.000744	.000500		.	.x	.	
37	3106	qP	16	3	0	514.476624	.000329	.000200		.	.x	.	
38	3107	qP	17	3	0	513.879394	.000423	.000200		.	*.	.	
39	3108	qP	18	3	0	513.285950	.000984	.001000		.	.v	.	
40	3109	qP	19	3	0	512.694879	.000739	.000500		.	.x	.	
41	3110	qP	20	3	0	512.106741	.000374	.000200		.	.x	.	
42	3111	qP	21	3	0	511.521847	.000301	.000200		.	.x	.	
43	3112	qP	22	3	0	510.940039	.000446	.000300		.	.x	.	
44	3113	qP	23	3	0	510.360745	.000303	.000200		.	.x	.	
45	3114	qP	24	3	0	509.784424	.000374	.000200		.	.x	.	
46	3115	qP	25	3	0	509.210537	.000150	.000200		.	v	.	
47	3116	qP	26	3	0	508.639753	.000313	.000200		.	.x	.	
48	3117	qP	27	3	0	508.071558	.000353	.000200		.	.x	.	
49	3118	qP	28	3	0	507.506070	.000378	.000200		.	.x	.	
50	3119	qP	29	3	0	506.943070	.000156	.000200		.	v	.	
51	3120	qP	30	3	0	506.383164	.000271	.000200		.	.x	.	
52	3121	qP	31	3	0	505.825942	.000289	.000200		.	.x	.	
53	3122	qP	32	3	0	505.271456	.000236	.000200		.	x	.	
54	3123	qP	33	3	0	504.719864	.000241	.000200		.	x	.	
55	3124	qP	34	3	0	504.171192	.000302	.000200		.	.x	.	
56	3125	qP	35	3	0	503.624935	-.000115	.000500		.	v	.	
57	3126	qP	36	3	0	503.082347	.000218	.000200		.	x	.	
58	3127	qP	37	3	0	502.542368	.000215	.000200		.	x	.	
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3128	qP	38	3	0	502.005157	.000008	.000200	.	v	.
3129	qP	39	3	0	501.471201	.000063	.000200	.	v	.
3130	qP	40	3	0	500.940328	.000185	.000200	.	v	.
3131	qP	41	3	0	500.412336	.000152	.000200	.	v	.
3132	qP	42	3	0	499.887382	.000102	.000200	.	v	.
3133	qP	43	3	0	499.365619	.000171	.000200	.	v	.
3134	qP	44	3	0	498.846807	.000103	.000200	.	v	.
3135	qP	45	3	0	498.331149	.000088	.000200	.	v	.
3136	qP	46	3	0	497.818583	.000050	.000200	.	v	.
3137	qP	47	3	0	497.309181	.000049	.000200	.	v	.
3138	qP	48	3	0	496.802858	-.000009	.000200	.	v	.
3139	qP	49	3	0	496.299724	-.000023	.000200	.	v	.
3140	qP	50	3	0	495.799764	-.000018	.000200	.	v	.
3141	qP	51	3	0	495.302943	-.000035	.000200	.	v	.
3142	qP	52	3	0	494.809241	-.000099	.000200	.	v	.
3143	qP	53	3	0	494.318814	-.000061	.000200	.	v	.
3144	qP	54	3	0	493.831426	-.000160	.000200	.	v	.
3145	qP	55	3	0	493.347385	-.000093	.000200	.	v	.
3146	qP	56	3	0	492.866382	-.000170	.000200	.	v	.
3147	qP	57	3	0	492.388686	-.000125	.000200	.	v	.
3148	qP	58	3	0	491.914036	-.000219	.000200	.	x	.
3149	qP	59	3	0	491.442708	-.000179	.000200	.	v	.
3150	qP	60	3	0	490.974523	-.000183	.000200	.	v	.
3151	qP	61	3	0	490.509478	-.000232	.000200	.	x	.
3152	qP	62	3	0	490.047673	-.000227	.000200	.	x	.
3153	qP	63	3	0	489.589076	-.000198	.000200	.	v	.
3154	qP	64	3	0	489.133566	-.000263	.000200	.	x.	.
3155	qP	65	3	0	488.681327	-.000235	.000200	.	x	.
3156	qP	66	3	0	488.232310	-.000162	.000200	.	v	.
3157	qP	67	3	0	487.786316	-.000238	.000200	.	x	.
3158	qP	68	3	0	487.343509	-.000295	.000200	.	x.	.
3159	qP	69	3	0	486.904086	-.000133	.000200	.	v	.
3160	qP	70	3	0	486.467461	-.000331	.000200	.	x.	.
3161	qP	71	3	0	486.034593	.000073	.000500	.	v	.
3162	qP	72	3	0	485.604164	-.000233	.000200	.	x	.
3163	qP	73	3	0	485.177106	-.000311	.000500	.	v.	.
3164	qP	74	3	0	484.753861	.000287	.000200	.	x.	.
3165	qP	75	3	0	484.333102	.000241	.000200	.	x	.
3166	qP	76	3	0	483.914483	-.000788	.001000	.	v	.
3167	qP	77	3	0	483.500956	.000158	.000200	.	v	.
3168	qP	78	3	0	483.089369	-.000065	.000500	.	v	.
3169	qP	79	3	0	482.681611	.000439	.000200	.	*	.
3170	qP	80	3	0	482.276918	.000916	.000200	.	*	.
3171	qP	81	3	0	481.874622	.000704	.000200	.	*	.
3172	qP	82	3	0	481.475438	.000528	.000500	.	x	.
3173	qP	83	3	0	481.080777	.001807	.001000	.	.	x.
3174	qP	84	3	0	480.687813	.001725	.001000	.	x	.
3175	qP	85	3	0	480.298385	.002129	.002000	.	.	x.
3176	qR	3	3	0	527.348043	.000359	.000200	.	x	.
3177	qR	4	3	0	528.044400	.000344	.000200	.	x	.
3178	qR	5	3	0	528.745706	.000315	.000200	.	x	.
3179	qR	6	3	0	529.451923	.000346	.000200	.	x	.
3180	qR	7	3	0	530.162841	.000353	.000200	.	x	.
3181	qR	8	3	0	530.878332	.000351	.000200	.	x	.
3182	qR	9	3	0	531.598105	.000206	.000200	.	x	.
3183	qR	10	3	0	532.322503	.000428	.000200	.	*	.

3	3184	qR	11	3	0	533.050086	-0.00245	.001000		.	v	.
4	3185	qR	12	3	0	533.782881	.000396	.000200		.	x	.
5	3186	qR	13	3	0	534.519253	.000901	.001000		.	v	.
6	3187	qR	14	3	0	535.258070	.000319	.000200		.	x	.
7	3188	qR	15	3	0	536.001231	.000722	.000500		.	x	.
8	3189	qR	16	3	0	536.746651	.000189	.000200		.	v	.
9	3190	qR	17	3	0	537.495113	-.000348	.001000		.	v.	.
10	3191	qR	18	3	0	538.247373	-.000004	.000200		.	v	.
11	3192	qR	19	3	0	539.002390	.000291	.000200		.	x	.
12	3193	qR	20	3	0	539.760390	.000856	.001000		.	v	.
13	3194	qR	21	3	0	540.519923	.000311	.000200		.	x	.
14	3195	qR	22	3	0	541.282491	.000212	.000200		.	x	.
15	3196	qR	23	3	0	542.047776	.000275	.000200		.	x	.
16	3197	qR	24	3	0	542.815822	.000568	.000500		.	x	.
17	3198	qR	25	3	0	543.586081	.000552	.000500		.	x	.
18	3199	qR	26	3	0	544.358632	.000305	.000200		.	x	.
19	3200	qR	27	3	0	545.133659	.000004	.000200		.	v	.
20	3201	qR	28	3	0	545.911815	.000289	.000200		.	x	.
21	3202	qR	29	3	0	546.692502	.000545	.000500		.	x	.
22	3203	qR	30	3	0	547.475118	.000150	.000200		.	v	.
23	3204	qR	31	3	0	548.260984	.000405	.000500		.	v	.
24	3205	qR	32	3	0	549.048966	.000156	.000200		.	v	.
25	3206	qR	33	3	0	549.839889	.000206	.000200		.	x	.
26	3207	qR	34	3	0	550.633298	.000081	.000200		.	v	.
27	3208	qR	35	3	0	551.429467	.000036	.000200		.	v	.
28	3209	qR	36	3	0	552.228423	.000081	.000200		.	v	.
29	3210	qR	37	3	0	553.029681	-.000286	.000500		.	v.	.
30	3211	qR	38	3	0	553.834463	.000144	.000200		.	v	.
31	3212	qR	39	3	0	554.641136	-.000275	.000500		.	v.	.
32	3213	qR	40	3	0	555.451306	.000051	.000200		.	v	.
33	3214	qR	41	3	0	556.263901	.000041	.000200		.	v	.
34	3215	qR	42	3	0	557.079307	.000073	.000200		.	v	.
35	3216	qR	43	3	0	557.897320	-.000065	.000200		.	v	.
36	3217	qR	44	3	0	558.718343	.000027	.000200		.	v	.
37	3218	qR	45	3	0	559.541790	-.000243	.000500		.	v	.
38	3219	qR	46	3	0	560.368555	.000016	.000200		.	v	.
39	3220	qR	47	3	0	561.197766	-.000068	.000200		.	v	.
40	3221	qR	48	3	0	562.029568	-.000352	.000500		.	v.	.
41	3222	qR	49	3	0	562.864742	-.000054	.000200		.	v	.
42	3223	qR	50	3	0	563.702397	-.000064	.000200		.	v	.
43	3224	qR	51	3	0	564.542814	-.000098	.000200		.	v	.
44	3225	qR	52	3	0	565.386022	-.000124	.000200		.	v	.
45	3226	qR	53	3	0	566.232016	-.000143	.000200		.	v	.
46	3227	qR	54	3	0	567.080836	-.000111	.000200		.	v	.
47	3228	qR	55	3	0	567.932327	-.000176	.000200		.	v	.
48	3229	qR	56	3	0	568.786679	-.000144	.000200		.	v	.
49	3230	qR	57	3	0	569.643745	-.000153	.000200		.	v	.
50	3231	qR	58	3	0	570.503532	-.000189	.000200		.	v	.
51	3232	qR	59	3	0	571.366046	-.000239	.000200		.	x	.
52	3233	qR	60	3	0	572.231376	-.000205	.000200		.	x	.
53	3234	qR	61	3	0	573.099478	-.000122	.000200		.	v	.
54	3235	qR	62	3	0	573.970259	-.000072	.000200		.	v	.
55	3236	qR	63	3	0	574.843933	.000167	.000500		.	v	.
56	3237	qR	64	3	0	575.719845	-.000048	.000200		.	v	.
57	3238	qR	65	3	0	576.598751	.000049	.000500		.	v	.
58	3239	qR	66	3	0	577.479634	-.000547	.000500		.	x.	.
59												
60												

1	3240	qR	67	3	0	578.363920	-.000399	.000200		.	x.	.	
2	3241	qR	68	3	0	579.250680	-.000422	.000200		.	*	.	
3	3242	qR	69	3	0	580.140363	-.000156	.000200		.	v	.	
4	3243	qR	70	3	0	581.032087	-.000470	.000200		.	*	.	
5	3244	qP	5	4	0	521.302229	.000279	.000200		.	x	.	
6	3245	qP	6	4	0	520.657825	.000282	.000200		.	x	.	
7	3246	qP	7	4	0	520.018390	.000262	.000200		.	x	.	
8	3247	qP	8	4	0	519.383928	.000338	.000200		.	x	.	
9	3248	qP	9	4	0	518.754116	.000320	.000200		.	x	.	
10	3249	qP	10	4	0	518.128893	.000296	.000200		.	x	.	
11	3250	qP	11	4	0	517.508119	.000293	.000200		.	x	.	
12	3251	qP	12	4	0	516.891663	.000355	.000200		.	x	.	
13	3252	qP	13	4	0	516.279076	.000218	.000200		.	x	.	
14	3253	qP	14	4	0	515.670582	.000291	.000200		.	x	.	
15	3254	qP	15	4	0	515.065722	.000302	.000200		.	x	.	
16	3255	qP	16	4	0	514.464616	.000547	.000500		.	x	.	
17	3256	qP	17	4	0	513.866357	.000284	.000200		.	x	.	
18	3257	qP	18	4	0	513.271680	.000395	.000200		.	x	.	
19	3258	qP	19	4	0	512.679926	.000349	.000200		.	x	.	
20	3259	qP	20	4	0	512.091290	.000444	.000300		.	x	.	
21	3260	qP	21	4	0	511.505163	.000156	.000200		.	v	.	
22	3261	qP	22	4	0	510.922086	.000085	.000200		.	v	.	
23	3262	qP	23	4	0	510.342292	.000505	.000500		.	x	.	
24	3263	qP	24	4	0	509.764368	.000026	.000200		.	v	.	
25	3264	qP	25	4	0	509.189634	-.000022	.000300		.	v	.	
26	3265	qP	26	4	0	508.618007	.000274	.000200		.	x	.	
27	3266	qP	27	4	0	508.048884	.000300	.000200		.	x	.	
28	3267	qP	28	4	0	507.482888	.000662	.000500		.	x	.	
29	3268	qP	29	4	0	506.918959	.000279	.000200		.	x	.	
30	3269	qP	30	4	0	506.358367	.000394	.000200		.	x	.	
31	3270	qP	31	4	0	505.799798	-.000331	.001000		.	v	.	
32	3271	qP	32	4	0	505.245506	.000331	.000200		.	x	.	
33	3272	qP	33	4	0	504.693220	.000085	.000200		.	v	.	
34	3273	qP	34	4	0	504.144453	.000417	.000200		.	*	.	
35	3274	qP	35	4	0	503.598009	.000107	.000200		.	v	.	
36	3275	qP	36	4	0	503.055022	.000269	.000200		.	x	.	
37	3276	qP	37	4	0	502.514943	.000330	.000200		.	x	.	
38	3277	qP	38	4	0	501.977524	.000024	.000300		.	v	.	
39	3278	qP	39	4	0	501.443756	.000323	.000200		.	x	.	
40	3279	qP	40	4	0	500.912823	.000395	.000200		.	x	.	
41	3280	qP	41	4	0	500.384513	.000012	.000300		.	v	.	
42	3281	qP	42	4	0	499.859700	.000034	.000300		.	v	.	
43	3282	qP	43	4	0	499.338038	.000102	.000200		.	v	.	
44	3283	qP	44	4	0	498.819652	.000330	.000200		.	x	.	
45	3284	qP	45	4	0	498.303967	.000131	.000200		.	v	.	
46	3285	qP	46	4	0	497.791838	.000353	.000200		.	x	.	
47	3286	qP	47	4	0	497.282509	.000229	.000200		.	x	.	
48	3287	qP	48	4	0	496.776421	.000194	.000200		.	v	.	
49	3288	qP	49	4	0	496.273597	.000263	.000200		.	x	.	
50	3289	qP	50	4	0	495.773769	.000164	.000200		.	v	.	
51	3290	qP	51	4	0	495.277275	.000228	.000200		.	x	.	
52	3291	qP	52	4	0	494.783877	.000215	.000200		.	x	.	
53	3292	qP	53	4	0	494.293685	.000229	.000200		.	x	.	
54	3293	qP	54	4	0	493.806627	.000197	.000200		.	v	.	
55	3294	qP	55	4	0	493.322780	.000193	.000200		.	v	.	
56	3295	qP	56	4	0	492.842142	.000213	.000200		.	x	.	

3	3296 qP 57 4 0	492.364649	.000193	.000200	.	v	.	
4	3297 qP 58 4 0	491.890335	.000165	.000200	.	v	.	
5	3298 qP 59 4 0	491.419294	.000225	.000200	.	x	.	
6	3299 qP 60 4 0	490.951311	.000157	.000200	.	v	.	
7	3300 qP 61 4 0	490.486618	.000195	.000200	.	v	.	
8	3301 qP 62 4 0	490.025056	.000182	.000200	.	v	.	
9	3302 qP 63 4 0	489.566650	.000144	.000200	.	v	.	
10	3303 qP 64 4 0	489.111424	.000107	.000200	.	v	.	
11	3304 qP 65 4 0	488.659457	.000155	.000200	.	v	.	
12	3305 qP 66 4 0	488.210478	.000018	.000200	.	v	.	
13	3306 qP 67 4 0	487.765059	.000273	.000200	.	x	.	
14	3307 qP 68 4 0	487.322533	.000257	.000200	.	x	.	
15	3308 qP 69 4 0	486.883134	.000208	.000200	.	x	.	
16	3309 qP 70 4 0	486.447276	.000546	.000300	.	x	.	
17	3310 qP 71 4 0	486.013945	.000260	.000200	.	x	.	
18	3311 qP 72 4 0	485.584053	.000270	.000200	.	x	.	
19	3312 qR 4 4 0	528.032279	.000399	.000200	.	x	.	
20	3313 qR 5 4 0	528.733529	.000372	.000200	.	x	.	
21	3314 qR 6 4 0	529.439579	.000316	.000200	.	x	.	
22	3315 qR 7 4 0	530.150389	.000332	.000200	.	x	.	
23	3316 qR 8 4 0	530.865724	.000343	.000200	.	x	.	
24	3317 qR 9 4 0	531.585410	.000346	.000200	.	x	.	
25	3318 qR 10 4 0	532.309167	.000246	.000200	.	x	.	
26	3319 qR 11 4 0	533.037095	.000334	.000200	.	x	.	
27	3320 qR 12 4 0	533.768685	.000296	.000200	.	x	.	
28	3321 qR 13 4 0	534.503940	.000326	.000200	.	x	.	
29	3322 qR 14 4 0	535.242526	.000276	.000200	.	x	.	
30	3323 qR 15 4 0	535.984495	.000368	.000200	.	x	.	
31	3324 qR 16 4 0	536.729480	.000392	.000200	.	x	.	
32	3325 qR 17 4 0	537.476935	-0.000064	.000300	.	v	.	
33	3326 qR 18 4 0	538.228172	.000424	.000300	.	x	.	
34	3327 qR 19 4 0	538.981607	.000363	.000200	.	x	.	
35	3328 qR 20 4 0	539.737740	.000319	.000200	.	x	.	
36	3329 qR 21 4 0	540.496573	.000344	.000200	.	x	.	
37	3330 qR 22 4 0	541.257957	.000319	.000200	.	x	.	
38	3331 qR 23 4 0	542.021914	.000282	.000200	.	x	.	
39	3332 qR 24 4 0	542.788428	.000223	.000200	.	x	.	
40	3333 qR 25 4 0	543.557605	.000243	.000200	.	x	.	
41	3334 qR 26 4 0	544.329800	.000688	.000500	.	x	.	
42	3335 qR 27 4 0	545.103739	.000268	.000200	.	x	.	
43	3336 qR 28 4 0	545.880669	.000214	.000200	.	x	.	
44	3337 qR 29 4 0	546.660322	.000240	.000200	.	x	.	
45	3338 qR 30 4 0	547.442727	.000357	.000200	.	x	.	
46	3339 qR 31 4 0	548.227642	.000302	.000200	.	x	.	
47	3340 qR 32 4 0	549.015278	.000271	.000200	.	x	.	
48	3341 qR 33 4 0	549.805752	.000364	.000200	.	x	.	
49	3342 qR 34 4 0	550.598710	.000212	.000200	.	x	.	
50	3343 qR 35 4 0	551.394588	.000236	.000200	.	x	.	
51	3344 qR 36 4 0	552.193179	.000219	.000200	.	x	.	
52	3345 qR 37 4 0	552.994579	.000245	.000200	.	x	.	
53	3346 qR 38 4 0	553.799130	.000647	.000500	.	x	.	
54	3347 qR 39 4 0	554.605406	-0.000010	.000300	.	v	.	
55	3348 qR 40 4 0	555.415272	.000134	.000200	.	v	.	
56	3349 qR 41 4 0	556.227728	.000074	.000200	.	v	.	
57	3350 qR 42 4 0	557.042909	-0.000061	.000500	.	v	.	
58	3351 qR 43 4 0	557.862601	.001512	.002000	.	v	.	

3352	qR	44	4	0	558.682111	.000100	.000200	.	v	.
3353	qR	45	4	0	559.505750	.000011	.000200	.	v	.
3354	qR	46	4	0	560.332320	.000048	.000200	.	v	.
3355	qR	47	4	0	561.161839	.000230	.000200	.	x	.
3356	qR	48	4	0	561.993951	.000202	.000200	.	x	.
3357	qR	49	4	0	562.828927	.000237	.000200	.	x	.
3358	qR	50	4	0	563.666494	.000067	.000200	.	v	.
3359	qR	51	4	0	564.507176	.000218	.000200	.	x	.
3360	qR	52	4	0	565.350506	.000229	.000200	.	x	.
3361	qR	53	4	0	566.196477	.000098	.000200	.	v	.
3362	qR	54	4	0	567.045473	.000214	.000200	.	x	.
3363	qR	55	4	0	567.896971	.000061	.000200	.	v	.
3364	qR	56	4	0	568.751579	.000255	.000200	.	x	.
3365	qR	57	4	0	569.608668	.000173	.000200	.	v	.
3366	qR	58	4	0	570.468442	.000027	.000200	.	v	.
3367	qR	59	4	0	571.331272	.000199	.000200	.	v	.
3368	qR	60	4	0	572.196545	.000082	.000200	.	v	.
3369	qR	61	4	0	573.063653	-.000920	.002000	.	v	.
3370	qR	62	4	0	573.935693	.000298	.000200	.	x	.
3371	qR	63	4	0	574.809009	.000092	.000200	.	v	.
3372	qR	64	4	0	575.685393	.000264	.000200	.	x	.
3373	qR	65	4	0	576.564436	.000416	.000200	.	*	.
3374	qR	66	4	0	577.446006	.000428	.000200	.	*	.
3375	qR	67	4	0	578.330755	.000963	.001000	.	v	.
3376	qR	68	4	0	579.217310	.000661	.000500	.	x	.
3377	qR	69	4	0	580.106163	.000027	.000200	.	v	.
3378	qP	6	5	0	520.643454	.000118	.000200	.	v	.
3379	qP	7	5	0	520.004147	.000007	.000200	.	v	.
3380	qP	8	5	0	519.369981	.000197	.000200	.	v	.
3381	qP	9	5	0	518.740204	.000093	.000200	.	v	.
3382	qP	10	5	0	518.115079	.000134	.000200	.	v	.
3383	qP	11	5	0	517.494193	.000097	.000200	.	v	.
3384	qP	12	5	0	516.877480	.000116	.000200	.	v	.
3385	qP	13	5	0	516.264711	.000168	.000200	.	v	.
3386	qP	14	5	0	515.655500	.000069	.000200	.	v	.
3387	qP	15	5	0	515.049841	.000004	.000200	.	v	.
3388	qP	16	5	0	514.447617	.000031	.000200	.	v	.
3389	qP	17	5	0	513.848686	.000159	.000200	.	v	.
3390	qP	18	5	0	513.252773	.000240	.000200	.	x	.
3391	qP	19	5	0	512.659630	.000123	.000200	.	v	.
3392	qP	20	5	0	512.069646	.000268	.000200	.	x	.
3393	qP	21	5	0	511.482278	.000179	.000200	.	v	.
3394	qP	22	5	0	510.897850	.000204	.000200	.	x	.
3395	qP	23	5	0	510.316050	.000042	.000200	.	v	.
3396	qP	24	5	0	509.737192	.000000	.000200	.	v	.
3397	qP	25	5	0	509.161504	.000294	.000200	.	x	.
3398	qP	26	5	0	508.589290	.001208	.001000	.	x	.
3399	qP	27	5	0	508.018156	.000325	.000200	.	x	.
3400	qP	28	5	0	507.450630	.000148	.000200	.	v	.
3401	qP	29	5	0	506.886370	.000311	.000200	.	x	.
3402	qP	30	5	0	506.325581	.000993	.001000	.	v	.
3403	qP	31	5	0	505.766236	.000146	.000200	.	v	.
3404	qP	32	5	0	505.210782	.000194	.000200	.	v	.
3405	qP	33	5	0	504.658404	.000301	.000200	.	x	.
3406	qP	34	5	0	504.108786	.000134	.000200	.	v	.
3407	qP	35	5	0	503.562448	.000195	.000200	.	v	.

3	3408 qP 36 5 0	503.019137	.000216	.000200	. x .
4	3409 qP 37 5 0	502.478960	.000290	.000200	. .x .
5	3410 qP 38 5 0	501.941707	.000195	.000200	. v .
6	3411 qP 39 5 0	501.407876	.000416	.000200	. .* .
7	3412 qP 40 5 0	500.876801	.000278	.000200	. .x .
8	3413 qP 41 5 0	500.348906	.000194	.000200	. v .
9	3414 qP 42 5 0	499.824263	.000229	.000200	. x .
10	3415 qP 43 5 0	499.302661	.000163	.000200	. v .
11	3416 qP 44 5 0	498.784295	.000184	.000200	. v .
12	3417 qP 45 5 0	498.269070	.000192	.000200	. v .
13	3418 qP 46 5 0	497.756942	.000137	.000200	. v .
14	3419 qP 47 5 0	497.247995	.000097	.000200	. v .
15	3420 qP 48 5 0	496.742347	.000187	.000200	. v .
16	3421 qP 49 5 0	496.241679	.002084	.002000	. . x .
17	3422 qP 50 5 0	495.739704	-.000504	.001000	. v .
18	3423 qP 51 5 0	495.243730	-.000269	.000500	. v .
19	3424 qP 52 5 0	494.751328	.000356	.000300	. .x .
20	3425 qP 53 5 0	494.261213	.000085	.000200	. v .
21	3426 qP 54 5 0	493.774598	.000129	.000200	. v .
22					
23	3427 qP 55 5 0	493.291117	.000123	.000200	. v .
24	3428 qP 56 5 0	492.810768	.000062	.000200	. v .
25	3429 qP 57 5 0	492.333724	.000122	.000200	. v .
26	3430 qP 58 5 0	491.859765	.000081	.000200	. v .
27	3431 qP 59 5 0	491.389036	.000086	.000200	. v .
28	3432 qP 60 5 0	490.921653	.000255	.000200	. .x .
29	3433 qP 61 5 0	490.457022	-.000005	.000200	. v .
30	3434 qP 62 5 0	489.995908	.000073	.000200	. v .
31	3435 qP 63 5 0	489.537893	.000073	.000200	. v .
32	3436 qP 64 5 0	489.082979	.000002	.000200	. v .
33	3437 qP 65 5 0	488.631268	-.000037	.000200	. v .
34	3438 qP 66 5 0	488.182842	.000043	.000200	. v .
35	3439 qP 67 5 0	487.737633	.000178	.000200	. v .
36	3440 qP 68 5 0	487.295461	.000191	.000200	. v .
37	3441 qP 69 5 0	486.856354	.000115	.000200	. v .
38	3442 qP 70 5 0	486.420940	.000584	.000300	. .x .
39	3443 qP 71 5 0	485.988123	.000506	.000200	. .* .
40	3444 qR 5 5 0	528.717608	.000211	.000200	. x .
41	3445 qR 6 5 0	529.423584	.000171	.000200	. v .
42	3446 qR 7 5 0	530.134247	.000192	.000200	. v .
43	3447 qR 8 5 0	530.849269	.000127	.000200	. v .
44	3448 qR 9 5 0	531.568720	.000245	.000200	. x .
45	3449 qR 10 5 0	532.292033	.000186	.000200	. v .
46	3450 qR 11 5 0	533.019181	.000136	.000200	. v .
47	3451 qR 12 5 0	533.750028	.000169	.000200	. v .
48	3452 qR 13 5 0	534.484190	.000099	.000200	. v .
49	3453 qR 14 5 0	535.221693	.000134	.000200	. v .
50	3454 qR 15 5 0	535.962324	.000221	.000200	. x .
51	3455 qR 16 5 0	536.705715	.000124	.000200	. v .
52	3456 qR 17 5 0	537.451989	.000073	.000200	. v .
53	3457 qR 18 5 0	538.201347	.000346	.000300	. .x .
54	3458 qR 19 5 0	538.952758	-.000033	.000200	. v .
55	3459 qR 20 5 0	539.707490	.000235	.000200	. x .
56	3460 qR 21 5 0	540.464356	-.000019	.000200	. v .
57	3461 qR 22 5 0	541.224806	.000657	.000500	. .x .
58	3462 qR 23 5 0	541.986645	.000062	.000200	. v .
59					
60					

3463	qR	24	5	0	542.751826	.000137	.000200	.	v
3464	qR	25	5	0	543.519592	.000109	.000200	.	v
3465	qR	26	5	0	544.290206	.000224	.000200	.	x
3466	qR	27	5	0	545.063272	.000069	.000200	.	v
3467	qR	28	5	0	545.839622	.000459	.000300	.	x
3468	qR	29	5	0	546.618074	.000195	.000200	.	v
3469	qR	30	5	0	547.399343	-.000021	.000300	.	v
3470	qR	31	5	0	548.183859	.000228	.000200	.	x
3471	qR	32	5	0	548.970820	.000128	.000200	.	v
3472	qR	33	5	0	549.761036	.000481	.000500	.	v
3473	qR	34	5	0	550.553181	-.000048	.000300	.	v
3474	qR	35	5	0	551.348872	.000152	.000200	.	v
3475	qR	36	5	0	552.147101	.000068	.000200	.	v
3476	qR	37	5	0	552.948375	.000202	.000200	.	x
3477	qR	38	5	0	553.752290	.000147	.000200	.	v
3478	qR	39	5	0	554.559007	.000063	.000200	.	v
3479	qR	40	5	0	555.368581	.000003	.000200	.	v
3480	qR	41	5	0	556.180981	-.000064	.000300	.	v
3481	qR	42	5	0	556.996485	.000141	.000200	.	v
3482	qR	43	5	0	557.814620	.000146	.000200	.	v
3483	qR	44	5	0	558.635585	.000151	.000200	.	v
3484	qR	45	5	0	559.459336	.000115	.000200	.	v
3485	qR	46	5	0	560.285150	-.000681	.001000	.	v.
3486	qR	47	5	0	561.115441	.000179	.000200	.	v
3487	qR	48	5	0	561.947574	.000066	.000200	.	v
3488	qR	49	5	0	562.782850	.000285	.000200	.	x
3489	qR	50	5	0	563.620508	.000079	.000200	.	v
3490	qR	51	5	0	564.460788	-.000304	.000500	.	v.
3491	qR	52	5	0	565.304651	.000103	.000200	.	v
3492	qR	53	5	0	566.150830	.000038	.000200	.	v
3493	qR	54	5	0	566.999863	.000047	.000200	.	v
3494	qR	55	5	0	567.852038	.000426	.000500	.	v
3495	qR	56	5	0	568.707598	.001425	.002000	.	v
3496	qR	57	5	0	569.563392	-.000097	.000200	.	v
3497	qR	58	5	0	570.423590	.000037	.000200	.	v
3498	qR	59	5	0	571.286158	-.000196	.000200	.	v
3499	qR	60	5	0	572.153408	.001524	.002000	.	v
3500	qR	61	5	0	573.019650	-.000482	.001000	.	v.
3501	qR	62	5	0	573.891538	.000450	.000500	.	v
3502	qR	63	5	0	574.765318	.000577	.000500	.	x
3503	qR	64	5	0	575.641240	.000160	.000200	.	v
3504	qR	65	5	0	576.520505	.000411	.000300	.	x
3505	qR	66	5	0	577.402175	.000404	.000200	.	*
3506	qR	67	5	0	578.286775	.000676	.000500	.	x
3507	qR	68	5	0	579.173533	.000467	.000200	.	*
3508	qR	69	5	0	580.062919	.000261	.000300	.	v
3509	qR	70	5	0	580.955338	.000474	.000200	.	*
3510	qR	71	5	0	581.850230	.000562	.000200	.	*
3511	qP	7	6	0	519.986508	-.000147	.000200	.	v
3512	qP	8	6	0	519.352460	-.000091	.000200	.	v
3513	qP	9	6	0	518.722870	-.000150	.000200	.	v
3514	qP	10	6	0	518.097699	-.000143	.000200	.	v
3515	qP	11	6	0	517.476616	-.000165	.000200	.	v
3516	qP	12	6	0	516.859426	-.000175	.000200	.	v
3517	qP	13	6	0	516.245952	-.000117	.000200	.	v
3518	qP	14	6	0	515.635730	-.000242	.000200	.	x

3	3519	qP	15	6	0	515.029057	-.000071	.000200		.	v	.	
4	3520	qP	16	6	0	514.425295	-.000092	.000200		.	v	.	
5	3521	qP	17	6	0	513.823772	-.000868	.001000		.	v	.	
6	3522	qP	18	6	0	513.226634	-.000182	.000200		.	v	.	
7	3523	qP	19	6	0	512.631829	-.000045	.000200		.	v	.	
8	3524	qP	20	6	0	512.039665	-.000138	.000200		.	v	.	
9	3525	qP	21	6	0	511.450538	-.000068	.000200		.	v	.	
10	3526	qP	22	6	0	510.864366	.000062	.000200		.	v	.	
11	3527	qP	23	6	0	510.280711	-.000211	.000200		.	x	.	
12	3528	qP	24	6	0	509.700641	.000153	.000200		.	v	.	
13	3529	qP	25	6	0	509.123074	.000041	.000200		.	v	.	
14	3530	qP	26	6	0	508.548419	-.000165	.000200		.	v	.	
15	3531	qP	27	6	0	507.977138	-.000030	.000200		.	v	.	
16	3532	qP	28	6	0	507.408770	-.000037	.000200		.	v	.	
17	3533	qP	29	6	0	506.842988	-.000534	.001000		.	v	.	
18	3534	qP	30	6	0	506.281362	.000033	.000200		.	v	.	
19	3535	qP	31	6	0	505.722234	-.000009	.000200		.	v	.	
20	3536	qP	32	6	0	505.166226	-.000051	.000200		.	v	.	
21	3537	qP	33	6	0	504.613438	-.000002	.000200		.	v	.	
22	3538	qP	34	6	0	504.063759	.000016	.000200		.	v	.	
23	3539	qP	35	6	0	503.517238	.000047	.000200		.	v	.	
24	3540	qP	36	6	0	502.974263	.000472	.000500		.	v	.	
25	3541	qP	37	6	0	502.433489	-.000061	.000200		.	v	.	
26	3542	qP	38	6	0	501.896491	.000021	.000200		.	v	.	
27	3543	qP	39	6	0	501.362488	-.000069	.000200		.	v	.	
28	3544	qP	40	6	0	500.831830	.000017	.000200		.	v	.	
29	3545	qP	41	6	0	500.304291	.000049	.000200		.	v	.	
30	3546	qP	42	6	0	499.779946	.000100	.000200		.	v	.	
31	3547	qP	43	6	0	499.258639	.000011	.000200		.	v	.	
32	3548	qP	44	6	0	498.740583	-.000006	.000200		.	v	.	
33	3549	qP	45	6	0	498.225730	-.000001	.000200		.	v	.	
34	3550	qP	46	6	0	497.713989	-.000068	.000200		.	v	.	
35	3551	qP	47	6	0	497.205538	-.000028	.000200		.	v	.	
36	3552	qP	48	6	0	496.700262	.000001	.000200		.	v	.	
37	3553	qP	49	6	0	496.198132	-.000010	.000200		.	v	.	
38	3554	qP	50	6	0	495.699134	-.000075	.000200		.	v	.	
39	3555	qP	51	6	0	495.203442	-.000021	.000200		.	v	.	
40	3556	qP	52	6	0	494.710875	-.000029	.000200		.	v	.	
41	3557	qP	53	6	0	494.221454	-.000078	.000200		.	v	.	
42	3558	qP	54	6	0	493.735280	-.000066	.000200		.	v	.	
43	3559	qP	55	6	0	493.252207	-.000139	.000200		.	v	.	
44	3560	qP	56	6	0	492.772420	-.000111	.000200		.	v	.	
45	3561	qP	57	6	0	492.295855	-.000044	.000200		.	v	.	
46	3562	qP	58	6	0	491.821048	-.001401	.002000		.	v	.	
47	3563	qP	59	6	0	491.352102	-.000077	.000200		.	v	.	
48	3564	qP	60	6	0	490.884975	-.000112	.000200		.	v	.	
49	3565	qP	61	6	0	490.421025	-.000145	.000200		.	v	.	
50	3566	qP	62	6	0	489.960306	-.000121	.000200		.	v	.	
51	3567	qP	63	6	0	489.502842	-.000011	.000200		.	v	.	
52	3568	qP	64	6	0	489.048374	-.000071	.000200		.	v	.	
53	3569	qP	65	6	0	488.597145	-.000056	.000200		.	v	.	
54	3570	qP	66	6	0	488.148933	-.000182	.000200		.	v	.	
55	3571	qP	67	6	0	487.704046	-.000139	.000200		.	v	.	
56	3572	qP	68	6	0	487.262416	.000012	.000200		.	v	.	
57	3573	qR	6	6	0	529.403617	-.000065	.000200		.	v	.	
58	3574	qR	7	6	0	530.114043	-.000092	.000200		.	v	.	

3	3575 qR 8 6 0	530.828805	-0.000072	.000200	. v .
4	3576 qR 9 6 0	531.547589	-0.000079	.000200	. v .
5	3577 qR 10 6 0	532.270172	-0.000089	.000200	. v .
6	3578 qR 11 6 0	532.996302	-0.000116	.000200	. v .
7	3579 qR 12 6 0	533.725633	-0.000285	.000200	. x .
8	3580 qR 13 6 0	534.458441	-0.000129	.000200	. v .
9	3581 qR 14 6 0	535.194117	-0.000102	.000200	. v .
10	3582 qR 15 6 0	535.932580	-0.000168	.000200	. v .
11	3583 qR 16 6 0	536.674144	.000067	.000200	. v .
12	3584 qR 17 6 0	537.418182	.000022	.000200	. v .
13	3585 qR 18 6 0	538.164884	-0.000092	.000200	. v .
14	3586 qR 19 6 0	538.914426	-0.000098	.000200	. v .
15	3587 qR 20 6 0	539.666947	.000132	.000200	. v .
16	3588 qR 21 6 0	540.421830	-0.000036	.000200	. v .
17	3589 qR 22 6 0	541.179744	.000043	.000200	. v .
18	3590 qR 23 6 0	541.940205	-0.000135	.000200	. v .
19	3591 qR 24 6 0	542.703625	-0.000181	.000200	. v .
20	3592 qR 25 6 0	543.469935	-0.000180	.000200	. v .
21	3593 qR 26 6 0	544.239732	.000448	.000500	. v .
22	3594 qR 27 6 0	545.011240	-0.000085	.000200	. v .
23	3595 qR 28 6 0	545.785940	-0.000308	.000500	. v .
24	3596 qR 29 6 0	546.564051	-0.000009	.000200	. v .
25	3597 qR 30 6 0	547.344808	.000041	.000200	. v .
26	3598 qR 31 6 0	548.128280	-0.000091	.000200	. v .
27	3599 qR 32 6 0	548.914822	-0.000051	.000200	. v .
28	3600 qR 33 6 0	549.704497	.000224	.000300	. v .
29	3601 qR 34 6 0	550.496528	-0.000043	.000200	. v .
30	3602 qR 35 6 0	551.291646	-0.000119	.000200	. v .
31	3603 qR 36 6 0	552.089913	.000063	.000200	. v .
32	3604 qR 37 6 0	552.891436	.000611	.001000	. v .
33	3605 qR 38 6 0	553.694430	-0.000255	.000200	. x .
34	3606 qR 39 6 0	554.501360	-0.000065	.000200	. v .
35	3607 qR 40 6 0	555.310935	-0.000105	.000200	. v .
36	3608 qR 41 6 0	556.123380	-0.000147	.000200	. v .
37	3609 qR 42 6 0	556.938806	-0.000072	.000200	. v .
38	3610 qR 43 6 0	557.757057	-0.000032	.000200	. v .
39	3611 qR 44 6 0	558.578084	-0.000070	.000200	. v .
40	3612 qR 45 6 0	559.402004	-0.000062	.000200	. v .
41	3613 qR 46 6 0	560.228774	-0.000045	.000200	. v .
42	3614 qR 47 6 0	561.058317	-0.000089	.000200	. v .
43	3615 qR 48 6 0	561.890784	-0.000037	.000200	. v .
44	3616 qR 49 6 0	562.725954	-0.000102	.000200	. v .
45	3617 qR 50 6 0	563.564023	-0.000082	.000200	. v .
46	3618 qR 51 6 0	564.404834	-0.000124	.000200	. v .
47	3619 qR 52 6 0	565.248516	-0.000094	.000200	. v .
48	3620 qR 53 6 0	566.094952	-0.000098	.000200	. v .
49	3621 qR 54 6 0	566.944172	-0.000100	.000200	. v .
50	3622 qR 55 6 0	567.796299	.000033	.000300	. v .
51	3623 qR 56 6 0	568.650949	-0.000074	.000200	. v .
52	3624 qR 57 6 0	569.508432	-0.000102	.000200	. v .
53	3625 qR 58 6 0	570.368385	-0.000404	.000500	. v .
54	3626 qR 59 6 0	571.231742	-0.000037	.000300	. v .
55	3627 qR 60 6 0	572.097067	-0.000426	.000500	. v .
56	3628 qR 61 6 0	572.966556	.000635	.001000	. v .
57	3629 qR 62 6 0	573.836863	-0.000189	.000200	. v .
58	3630 qR 63 6 0	574.710839	-0.000036	.000200	. v .

3	3631	qR	64	6	0	575.587466	.000087	.000200		.	v	.	
4	3632	qR	65	6	0	576.466741	.000189	.000200		.	v	.	
5	3633	qR	66	6	0	577.348601	.000219	.000200		.	x	.	
6	3634	qP	8	7	0	519.331142	.000085	.000500		.	v	.	
7	3635	qP	9	7	0	518.701473	-.000203	.000200		.	x	.	
8	3636	qP	10	7	0	518.077453	.001137	.002000		.	.v	.	
9	3637	qP	11	7	0	517.454343	-.000323	.000200		.	x.	.	
10	3638	qP	12	7	0	516.836232	-.000204	.000200		.	x	.	
11	3639	qP	13	7	0	516.220736	-.000655	.000500		.	x.	.	
12	3640	qP	14	7	0	515.609093	-.000265	.000200		.	x.	.	
13	3641	qP	15	7	0	515.000104	-.000130	.000200		.	v	.	
14	3642	qP	16	7	0	514.394119	.000141	.001000		.	v	.	
15	3643	qP	17	7	0	513.790070	-.000525	.000300		.	x.	.	
16	3644	qP	18	7	0	513.189790	-.000328	.000200		.	x.	.	
17	3645	qP	19	7	0	512.592498	-.000099	.000200		.	v	.	
18	3646	qP	20	7	0	511.998338	.000251	.001000		.	.v	.	
19	3647	qP	21	7	0	511.404982	-.001655	.002000		.	v	.	
20	3648	qP	22	7	0	510.817345	-.000949	.001000		.	v	.	
21	3649	qP	23	7	0	510.232253	-.000843	.001000		.	v	.	
22	3650	qP	24	7	0	509.649859	-.001214	.001000		.	x	.	
23	3651	qP	25	7	0	509.070381	-.001868	.002000		.	.v	.	
24	3652	qP	26	7	0	508.496329	-.000313	.000200		.	x.	.	
25	3653	qP	27	7	0	507.924062	-.000202	.000200		.	x	.	
26	3654	qP	28	7	0	507.354212	-.000911	.001000		.	v	.	
27	3655	qP	29	7	0	506.789108	-.000116	.000200		.	v	.	
28	3656	qP	30	7	0	506.226064	-.000506	.000300		.	x.	.	
29	3657	qP	31	7	0	505.667416	.000256	.000500		.	.v	.	
30	3658	qP	32	7	0	505.110655	-.000339	.000200		.	x.	.	
31	3659	qP	33	7	0	504.558060	-.000009	.000200		.	v	.	
32	3660	qP	34	7	0	504.008251	-.000132	.000200		.	v	.	
33	3661	qP	35	7	0	503.461044	-.000887	.001000		.	v	.	
34	3662	qP	36	7	0	502.918687	-.000024	.000200		.	v	.	
35	3663	qP	37	7	0	502.378609	-.000110	.000200		.	v	.	
36	3664	qP	38	7	0	501.841847	-.000103	.000200		.	v	.	
37	3665	qP	39	7	0	501.308333	-.000068	.000200		.	v	.	
38	3666	qP	40	7	0	500.778015	-.000054	.000200		.	v	.	
39	3667	qP	41	7	0	500.250940	-.000010	.000200		.	v	.	
40	3668	qP	42	7	0	499.726532	-.000510	.000500		.	x.	.	
41	3669	qP	43	7	0	499.206270	-.000071	.000200		.	v	.	
42	3670	qP	44	7	0	498.688864	.000019	.000200		.	v	.	
43	3671	qP	45	7	0	498.174675	.000124	.000200		.	v	.	
44	3672	qP	46	7	0	497.663310	-.000147	.000200		.	v	.	
45	3673	qP	47	7	0	497.155512	-.000048	.000200		.	v	.	
46	3674	qP	48	7	0	496.650686	-.000174	.000200		.	v	.	
47	3675	qP	49	7	0	496.149239	-.000114	.000200		.	v	.	
48	3676	qP	50	7	0	495.650787	-.000251	.000200		.	x	.	
49	3677	qP	51	7	0	495.155873	-.000040	.000200		.	v	.	
50	3678	qP	52	7	0	494.663848	-.000128	.000200		.	v	.	
51	3679	qP	53	7	0	494.174894	-.000331	.000300		.	x.	.	
52	3680	qP	54	7	0	493.689598	-.000059	.000200		.	v	.	
53	3681	qP	55	7	0	493.206946	-.000326	.000200		.	x.	.	
54	3682	qP	56	7	0	492.727915	-.000151	.000200		.	v	.	
55	3683	qP	57	7	0	492.251915	-.000123	.000200		.	v	.	
56	3684	qP	58	7	0	491.778900	-.000284	.000200		.	x.	.	
57	3685	qP	59	7	0	491.309271	-.000232	.000200		.	x	.	
58	3686	qP	60	7	0	490.842816	-.000175	.000200		.	v	.	

3687	qP	61	7	0	490.379546	-0.000099	.000300	.	v	.
3688	qP	62	7	0	489.918835	-0.000628	.000200	.	*	.
3689	qR	7	7	0	530.089377	-0.000072	.000200	.	v	.
3690	qR	8	7	0	530.803600	-0.000019	.000200	.	v	.
3691	qR	9	7	0	531.521334	-0.000094	.000200	.	v	.
3692	qR	10	7	0	532.242410	-0.000171	.000200	.	v	.
3693	qR	11	7	0	532.966765	-0.000070	.000200	.	v	.
3694	qR	12	7	0	533.693106	-0.000902	.001000	.	v.	.
3695	qR	13	7	0	534.423761	-0.000231	.000200	.	x	.
3696	qR	14	7	0	535.156612	-0.000126	.000200	.	v	.
3697	qR	15	7	0	535.891735	-0.000508	.000500	.	x.	.
3698	qR	16	7	0	536.630451	-0.000082	.000200	.	v	.
3699	qR	17	7	0	537.371411	-0.000241	.000200	.	x	.
3700	qR	18	7	0	538.116013	.000369	.000500	.	.v	.
3701	qR	19	7	0	538.862553	-0.000002	.000200	.	v	.
3702	qR	20	7	0	539.612603	.000181	.000200	.	v	.
3703	qR	21	7	0	540.365073	-0.000203	.000200	.	x	.
3704	qR	22	7	0	541.121109	-0.000031	.000200	.	v	.
3705	qR	23	7	0	541.880259	.000228	.000500	.	v	.
3706	qR	24	7	0	542.641902	-0.000057	.000200	.	v	.
3707	qR	25	7	0	543.406895	-0.000034	.000200	.	v	.
3708	qR	26	7	0	544.172583	-0.002359	.000200	*	.	.
3709	qR	27	7	0	544.945906	-0.000089	.000200	.	v	.
3710	qR	28	7	0	545.720347	.000264	.000500	.	.v	.
3711	qR	29	7	0	546.497151	-0.000049	.000200	.	v	.
3712	qR	30	7	0	547.277280	-0.000056	.000200	.	v	.
3713	qR	31	7	0	548.060346	-0.000137	.000200	.	v	.
3714	qR	32	7	0	548.846440	-0.000189	.000200	.	v	.
3715	qR	33	7	0	549.635619	-0.000145	.000200	.	v	.
3716	qR	34	7	0	550.427870	-0.000007	.000200	.	v	.
3717	qR	35	7	0	551.223124	.000168	.000200	.	v	.
3718	qR	36	7	0	552.021140	.000148	.000200	.	v	.
3719	qR	37	7	0	552.823302	.001330	.002000	.	v	.
3720	qR	38	7	0	553.625829	-0.000056	.000200	.	v	.
3721	qR	39	7	0	554.432022	-0.000700	.001000	.	v.	.
3722	qR	40	7	0	555.242388	-0.000083	.000200	.	v	.
3723	qR	41	7	0	556.055149	.000026	.000200	.	v	.
3724	qR	42	7	0	556.870584	-0.000082	.000200	.	v	.
3725	qR	43	7	0	557.689089	-0.000004	.000200	.	v	.
3726	qR	44	7	0	558.510276	-0.000115	.000200	.	v	.
3727	qR	45	7	0	559.334415	-0.000138	.000200	.	v	.
3728	qR	46	7	0	560.161421	-0.000147	.000200	.	v	.
3729	qR	47	7	0	560.991060	-0.000368	.000300	.	x.	.
3730	qR	48	7	0	561.824401	.000279	.000500	.	.v	.
3731	qR	49	7	0	562.659507	-0.000135	.000200	.	v	.
3732	qR	50	7	0	563.498063	.000085	.000200	.	v	.
3733	qR	51	7	0	564.339025	-0.000096	.000200	.	v	.
3734	qR	52	7	0	565.182906	-0.000154	.000200	.	v	.
3735	qR	53	7	0	566.031782	.001994	.003000	.	.	v.
3736	qR	54	7	0	566.879218	-0.000076	.000200	.	v	.
3737	qR	55	7	0	567.731479	-0.000089	.000200	.	v	.
3738	qR	56	7	0	568.586382	-0.000219	.000200	.	x	.
3739	qR	57	7	0	569.444300	-0.000082	.000200	.	v	.
3740	qR	58	7	0	570.304428	-0.000473	.000500	.	v.	.
3741	qR	59	7	0	571.167826	-0.000321	.000200	.	x.	.
3742	qR	60	7	0	572.034012	-0.000099	.000500	.	v	.

3	3743	qR	61	7	0	572.901946	-.000835	.001000		. v .	.
4	3744	qR	62	7	0	573.774013	-.000132	.000200		. v .	.
5	3745	qR	63	7	0	574.648076	-.000117	.000200		. v .	.
6	3746	qR	64	7	0	575.524673	-.000241	.000200		. x .	.
7	3747	qR	65	7	0	576.405092	.000798	.001000		. . v .	.
8	3748	qR	66	7	0	577.286222	-.000100	.000200		. v .	.
9	3749	qR	67	7	0	578.170667	-.000320	.000200		. x .	.
10	3750	qP	10	8	0	518.047888	.000002	.000500		. v .	.
11	3751	qP	13	8	0	516.183884	.000117	.000500		. v .	.
12	3752	qP	16	8	0	514.343600	-.000629	.000500		. x .	.
13	3753	qP	17	8	0	513.737641	.000354	.000500		. . v .	.
14	3754	qP	18	8	0	513.133746	.000104	.000200		. v .	.
15	3755	qP	19	8	0	512.533408	.000056	.000200		. v .	.
16	3756	qP	20	8	0	511.936672	.000216	.000200		. x .	.
17	3757	qP	21	8	0	511.343493	.000518	.001000		. . v .	.
18	3758	qP	22	8	0	510.752657	-.000264	.000500		. v .	.
19	3759	qP	23	8	0	510.166535	.000239	.000200		. x .	.
20	3760	qP	34	8	0	503.937600	.000364	.000200		. . x .	.
21	3761	qP	35	8	0	503.391443	.000462	.000200		. . * .	.
22	3762	qP	36	8	0	502.848227	.000217	.000200		. x .	.
23	3763	qP	37	8	0	502.308539	.000226	.000200		. x .	.
24	3764	qP	38	8	0	501.773009	.001128	.001000		. . x .	.
25	3765	qP	39	8	0	501.239219	.000514	.000500		. . x .	.
26	3766	qP	40	8	0	500.708874	.000098	.000200		. v .	.
27	3767	qP	41	8	0	500.182102	.000015	.000500		. v .	.
28	3768	qP	42	8	0	499.659351	.000719	.000200		. . * .	.
29	3769	qP	43	8	0	499.138584	.000180	.000200		. v .	.
30	3770	qP	44	8	0	498.621679	.000283	.000200		. . x .	.
31	3771	qP	45	8	0	498.108102	.000497	.000200		. . * .	.
32	3772	qP	46	8	0	497.596458	-.000568	.001000		. v .	.
33	3773	qP	47	8	0	497.090101	.000449	.000200		. . * .	.
34	3774	qR	9	8	0	531.486303	.000250	.000500		. . v .	.
35	3775	qR	10	8	0	532.203962	.000382	.000500		. . v .	.
36	3776	qR	11	8	0	532.923444	-.000111	.000200		. v .	.
37	3777	qR	12	8	0	533.646410	.000250	.000200		. . x .	.
38	3778	qR	14	8	0	535.100178	.000190	.000200		. v .	.
39	3779	qR	19	8	0	538.789986	.000318	.000200		. . x .	.
40	3780	qR	20	8	0	539.537419	.000036	.000200		. v .	.
41	3781	qR	21	8	0	540.288033	-.000337	.000500		. v .	.
42	3782	qR	35	8	0	551.136282	-.000154	.000200		. v .	.
43	3783	qR	36	8	0	551.934535	.000143	.000200		. v .	.
44	3784	qR	37	8	0	552.735484	.000154	.000200		. v .	.
45	3785	qR	38	8	0	553.539306	.000071	.000200		. v .	.
46	3786	qR	39	8	0	554.347656	.001565	.002000		. . v .	.
47	3787	qR	40	8	0	555.155999	.000114	.000200		. v .	.
48	3788	qR	41	8	0	555.968774	.000171	.000200		. v .	.
49	3789	qR	42	8	0	556.784318	.000086	.000200		. v .	.
50	3790	qR	43	8	0	557.602931	.000171	.000200		. v .	.
51	3791	qR	44	8	0	558.424225	.000052	.000200		. v .	.
52	3792	qR	45	8	0	559.248640	.000179	.000200		. v .	.
53	3793	qR	46	8	0	560.075924	.000312	.000200		. . x .	.
54	3794	qR	47	8	0	560.905802	.000188	.000200		. v .	.
55	3795	qR	48	8	0	561.738557	.000100	.000200		. v .	.
56	3796	qR	49	8	0	562.574708	.000579	.000500		. . x .	.
57	3797	qR	50	8	0	563.412755	.000134	.000200		. v .	.
58	3798	qR	51	8	0	564.253913	-.000008	.000200		. v .	.

3	3799 qP 10 9 0	518.022888	-.000659	.000500	. x. .
4	3800 qP 13 9 0	516.226451	-.000130	.000200	. v .
5	3801 qP 14 9 0	515.640612	-.000248	.000200	. x .
6	3802 qP 15 9 0	515.061949	.000416	.001000	. .v .
7	3803 qP 16 9 0	514.489181	.000645	.001000	. .v .
8	3804 qP 17 9 0	513.922239	.000421	.001000	. .v .
9	3805 qP 18 9 0	513.360949	-.000382	.000200	. x. .
10	3806 qP 20 9 0	512.258131	-.000717	.000500	. x. .
11	3807 qP 21 9 0	511.716939	.000189	.001000	. v .
12	3808 qP 22 9 0	511.180519	-.000156	.000200	. v .
13	3809 qP 23 9 0	510.650500	-.000062	.000200	. v .
14	3810 qP 24 9 0	510.126458	.000107	.000200	. v .
15	3811 qP 25 9 0	509.608262	.000286	.000200	. .x .
16	3812 qP 26 9 0	509.095905	.000537	.000500	. .x .
17	3813 qP 27 9 0	508.589290	.000833	.001000	. .v .
18	3814 qP 28 9 0	508.087097	-.000068	.000200	. v .
19	3815 qP 29 9 0	507.591572	.000155	.000200	. v .
20	3816 qP 30 9 0	507.101115	-.000017	.000200	. v .
21	3817 qP 31 9 0	506.615838	-.000389	.001000	. v. .
22	3818 qP 32 9 0	504.950859	-.001557	.002000	. v . .
23	3819 qP 33 9 0	504.400740	.000383	.000200	. .x .
24	3820 qP 34 9 0	503.851696	.000057	.000200	. v .
25	3821 qP 35 9 0	503.306590	.000343	.000200	. .x .
26	3822 qP 36 9 0	502.764564	.000398	.000200	. .x .
27	3823 qP 37 9 0	502.225659	.000275	.001000	. .v .
28	3824 qP 38 9 0	501.690827	.000939	.001000	. .v .
29	3825 qP 39 9 0	501.158057	.000392	.005000	. .v .
30	3826 qP 40 9 0	500.631424	.002718	.003000	. . v
31	3827 qP 41 9 0	500.103431	.000432	.001000	. .v .
32	3828 qP 42 9 0	499.581038	.000502	.000200	. . * .
33	3829 qP 43 9 0	499.061594	.000286	.000200	. .x .
34	3830 qP 44 9 0	498.545725	.000418	.001000	. .v .
35	3831 qP 45 9 0	498.032903	.000377	.000200	. .x .
36	3832 qP 46 9 0	497.523193	.000235	.000200	. x .
37	3833 qP 47 9 0	497.017041	.000444	.000200	. . * .
38	3834 qP 48 9 0	496.513777	.000339	.000200	. .x .
39	3835 qP 49 9 0	496.013808	.000334	.000200	. .x .
40	3836 qP 50 9 0	495.517013	.000312	.000200	. .x .
41	3837 qP 51 9 0	495.023395	.000282	.000200	. .x .
42	3838 qP 52 9 0	494.532690	-.000018	.000200	. v .
43	3839 qP 53 9 0	494.045646	.000166	.000200	. v .
44	3840 qP 54 9 0	493.561525	.000101	.000200	. v .
45	3841 qP 55 9 0	493.080610	.000072	.000200	. v .
46	3842 qP 56 9 0	492.602798	-.000020	.000200	. v .
47	3843 qP 57 9 0	492.128177	-.000081	.000200	. v .
48	3844 qP 58 9 0	491.657025	.000169	.000200	. v .
49	3845 qP 59 9 0	491.188576	-.000031	.000200	. v .
50	3846 qP 60 9 0	490.723447	-.000061	.000200	. v .
51	3847 qP 61 9 0	490.261654	.000099	.000200	. v .
52	3848 qP 62 9 0	489.802741	-.000002	.000200	. v .
53	3849 qP 63 9 0	489.346763	-.000305	.000200	. x. .
54	3850 qP 64 9 0	488.894354	-.000172	.000200	. v .
55	3851 qP 65 9 0	488.444486	-.000626	.000500	. x. .
56	3852 qP 66 9 0	487.998620	-.000202	.000200	. x. .
57	3853 qQ 24 9 0	526.334526	.000194	.000200	. v .
58	3854 qQ 25 9 0	526.490339	.000357	.000200	. x. .
59	3855 qQ 26 9 0	526.651662	.000429	.000200	. . * .

3	3856	qQ	34	9	0	526.710524	.000007	.000200	. v .
4	3857	qR	10	9	0	532.213895	.000069	.000500	. v .
5	3858	qR	11	9	0	532.960047	.000082	.000500	. v .
6	3859	qR	12	9	0	533.713056	.000563	.001000	. .v .
7	3860	qR	13	9	0	534.471291	-.000027	.000200	. v .
8	3861	qR	14	9	0	535.236460	.000092	.000500	. v .
9	3862	qR	15	9	0	536.008423	.000837	.002000	. .v .
10	3863	qR	16	9	0	536.784876	-.000039	.000200	. v .
11	3864	qR	17	9	0	537.568301	.000002	.000200	. v .
12	3865	qR	18	9	0	538.357526	-.000155	.000200	. v .
13	3866	qR	19	9	0	539.152988	-.000011	.000200	. v .
14	3867	qR	20	9	0	539.954196	.000004	.000200	. v .
15	3868	qR	21	9	0	540.761420	.000227	.000200	. x .
16	3869	qR	22	9	0	541.573890	-.000044	.000200	. v .
17	3870	qR	23	9	0	542.392436	.000096	.000200	. v .
18	3871	qR	24	9	0	543.214090	-.002247	.003000	.v . .
19	3872	qR	25	9	0	544.046199	.000353	.000200	. .x .
20	3873	qR	26	9	0	544.880992	.000207	.000200	. x .
21	3874	qR	27	9	0	545.720347	-.000720	.001000	. v. .
22	3875	qR	28	9	0	546.564051	-.002556	.003000	v . .
23	3876	qR	29	9	0	547.420209	.002895	.003000	. . .v
24	3877	qR	30	9	0	547.088863	-.000032	.000200	. v .
25	3878	qR	31	9	0	547.872007	.000008	.000500	. v .
26	3879	qR	32	9	0	548.658454	.000244	.000500	. v .
27	3880	qR	33	9	0	549.447577	.000072	.000200	. v .
28	3881	qR	34	9	0	550.240287	.000425	.000300	. .x .
29	3882	qR	35	9	0	551.035562	.000301	.000200	. .x .
30	3883	qR	36	9	0	551.834076	.000395	.000200	. .x .
31	3884	qR	37	9	0	552.635396	.000293	.000200	. .x .
32	3885	qR	38	9	0	553.439915	.000405	.000200	. * .
33	3886	qR	39	9	0	554.247225	.000341	.000200	. .x .
34	3887	qR	40	9	0	555.057477	.000269	.000200	. .x .
35	3888	qR	41	9	0	555.870758	.000291	.000200	. .x .
36	3889	qR	42	9	0	556.687051	.000406	.000200	. * .
37	3890	qR	43	9	0	557.506024	.000296	.000200	. .x .
38	3891	qR	44	9	0	558.326533	-.001168	.002000	. v . .
39	3892	qR	45	9	0	559.152868	.000316	.000200	. .x .
40	3893	qR	46	9	0	559.979014	-.001252	.002000	. v . .
41	3894	qR	47	9	0	560.811115	.000283	.000200	. .x .
42	3895	qR	48	9	0	561.643937	-.000299	.000500	. v. .
43	3896	qR	49	9	0	562.480615	.000147	.000200	. v . .
44	3897	qR	50	9	0	563.320025	.000511	.000500	. .x .
45	3898	qR	51	9	0	564.161582	.000219	.000200	. x . .
46	3899	qR	52	9	0	565.006587	.000582	.000500	. .x .
47	3900	qR	53	9	0	565.855776	.002349	.003000	. . .v
48	3901	qR	54	9	0	566.703621	.000003	.000200	. v . .
49	3902	qR	55	9	0	567.556500	-.000067	.000200	. v . .
50	3903	qR	56	9	0	568.412159	-.000103	.000200	. v . .
51	3904	qR	57	9	0	569.270509	-.000184	.000200	. v . .
52	3905	qR	58	9	0	570.131753	-.000095	.000200	. v . .
53	3906	qR	59	9	0	570.996207	.000492	.000500	. .v .
54	3907	qR	60	9	0	571.862149	-.000134	.000200	. v . .

File # 3 2nu80h.wn No. data : 933 .00500 cm-1 -> |---+---0---+---|

3908 pP 1 1 1 261.467458 -.001217 .002000 | . v . . |

3909 pP 2 1 1 260.799292 -.000552 .001000 | . v . . |

3910	pP	3	1	1	260.134630	.000099	.000200	.	v	.
3911	pP	4	1	1	259.472464	-.000244	.000300	.	v	.
3912	pP	5	1	1	258.814199	-.000131	.000200	.	v	.
3913	pP	6	1	1	258.159254	-.000085	.000200	.	v	.
3914	pP	7	1	1	257.507512	-.000148	.000200	.	v	.
3915	pP	8	1	1	256.857920	-.001282	.002000	.	v	.
3916	pP	9	1	1	256.213726	-.000136	.000200	.	v	.
3917	pP	10	1	1	255.571249	-.000270	.000200	.	x.	.
3918	pP	11	1	1	254.931745	-.000297	.000200	.	x.	.
3919	pP	12	1	1	254.294993	-.000296	.000200	.	x.	.
3920	pP	13	1	1	253.660950	-.000156	.000200	.	v	.
3921	pP	14	1	1	253.029143	-.000191	.000200	.	v	.
3922	pP	15	1	1	252.399731	-.000079	.000500	.	v	.
3923	pP	16	1	1	251.772143	-.000224	.000200	.	x	.
3924	pP	17	1	1	251.146650	-.000192	.000200	.	v	.
3925	pP	18	1	1	250.522878	-.000201	.000200	.	x	.
3926	pP	19	1	1	249.903002	.002072	.003000	.	.	v.
3927	pP	20	1	1	249.280085	-.000172	.000200	.	v	.
3928	pP	21	1	1	248.660721	-.000219	.000200	.	x	.
3929	pP	22	1	1	248.042607	-.000267	.000200	.	x.	.
3930	pP	23	1	1	247.425851	-.000120	.000200	.	v	.
3931	pP	24	1	1	246.809993	-.000169	.000200	.	v	.
3932	pP	25	1	1	246.194010	-.001385	.002000	.	v	.
3933	pP	26	1	1	245.581499	-.000137	.000200	.	v	.
3934	pP	27	1	1	244.968687	-.000177	.000200	.	v	.
3935	pP	28	1	1	244.355241	-.001832	.002000	.	v	.
3936	pP	29	1	1	243.746088	-.000179	.000200	.	v	.
3937	pP	30	1	1	243.136343	-.000117	.000200	.	v	.
3938	pP	31	1	1	242.527564	-.000109	.000200	.	v	.
3939	pP	32	1	1	241.919894	-.000038	.000200	.	v	.
3940	pP	33	1	1	241.313177	-.000092	.000200	.	v	.
3941	pP	34	1	1	240.707640	-.000076	.000200	.	v	.
3942	pP	35	1	1	240.103269	-.000039	.000200	.	v	.
3943	pP	36	1	1	239.500011	-.000069	.000200	.	v	.
3944	pP	37	1	1	238.898049	-.000018	.000200	.	v	.
3945	pP	38	1	1	238.297340	.000037	.000200	.	v	.
3946	pP	39	1	1	237.697785	-.000036	.000200	.	v	.
3947	pP	40	1	1	237.099763	.000110	.000200	.	v	.
3948	pP	41	1	1	236.502838	.000008	.000200	.	v	.
3949	pP	42	1	1	235.907374	-.000005	.000200	.	v	.
3950	pP	43	1	1	235.313712	.000385	.000500	.	v	.
3951	pP	44	1	1	234.721032	.000332	.000500	.	v	.
3952	pP	45	1	1	234.129808	.000288	.000200	.	x	.
3953	pP	46	1	1	233.540032	.000224	.000200	.	x	.
3954	pP	47	1	1	232.951934	.000348	.000500	.	v	.
3955	pP	48	1	1	232.365024	.000153	.000200	.	v	.
3956	pP	49	1	1	231.779732	.000052	.000200	.	v	.
3957	pP	50	1	1	231.196086	.000057	.000200	.	v	.
3958	pP	51	1	1	230.614052	.000119	.000200	.	v	.
3959	pP	52	1	1	230.035113	.001710	.002000	.	v	.
3960	pP	53	1	1	229.454958	.000505	.001000	.	v	.
3961	pP	54	1	1	228.877215	.000121	.000500	.	v	.
3962	pP	55	1	1	228.301221	-.000113	.000200	.	v	.
3963	pP	56	1	1	227.726996	-.000188	.000200	.	v	.
3964	pP	57	1	1	227.154271	-.000381	.000200	.	x.	.
3965	pP	58	1	1	226.583324	-.000421	.000200	*	.	.

3	3966	pP	59	1	1	226.013949	-.000520	.000200		.	*	.	
4	3967	pP	60	1	1	225.446103	-.000729	.000500		.	x.	.	
5	3968	pP	61	1	1	224.880359	-.000478	.000200		.	*	.	
6	3969	pR	1	1	1	263.495613	-.000700	.001000		.	v.	.	
7	3970	pR	2	1	1	264.179892	.000717	.001000		.	v.	.	
8	3971	pR	3	1	1	264.865066	-.000390	.000200		.	x.	.	
9	3972	pR	4	1	1	265.554564	-.000525	.000200		.	*	.	
10	3973	pR	5	1	1	266.247809	-.000183	.000200		.	v	.	
11	3974	pR	6	1	1	266.943972	-.000094	.000200		.	v	.	
12	3975	pR	7	1	1	267.642229	-.000971	.001000		.	v.	.	
13	3976	pR	8	1	1	268.345042	-.000224	.000200		.	x	.	
14	3977	pR	9	1	1	269.049926	-.000199	.000200		.	v	.	
15	3978	pR	10	1	1	269.757439	-.000188	.000200		.	v	.	
16	3979	pR	11	1	1	270.467446	-.000164	.000200		.	v	.	
17	3980	pR	12	1	1	271.177752	-.002157	.002000		.	x	.	
18	3981	pR	13	1	1	271.894146	-.000205	.000200		.	x	.	
19	3982	pR	14	1	1	272.610700	-.000063	.000200		.	v	.	
20	3983	pR	15	1	1	273.327968	-.001006	.001000		.	x	.	
21	3984	pR	16	1	1	274.048534	-.000286	.000200		.	x	.	
22	3985	pR	17	1	1	274.772438	.002293	.003000		.	.	v	
23	3986	pR	18	1	1	275.492422	-.000382	.000200		.	x	.	
24	3987	pR	19	1	1	276.216408	-.000261	.000200		.	x	.	
25	3988	pR	20	1	1	276.942141	.000514	.001000		.	v	.	
26	3989	pR	21	1	1	277.665834	-.001749	.002000		.	v	.	
27	3990	pR	22	1	1	278.394290	-.000169	.000200		.	v	.	
28	3991	pR	23	1	1	279.121683	-.000515	.001000		.	v	.	
29	3992	pR	24	1	1	279.850601	-.000154	.000200		.	v	.	
30	3993	pR	25	1	1	280.579753	-.000351	.000200		.	x	.	
31	3994	pR	26	1	1	281.310056	-.000173	.000200		.	v	.	
32	3995	pR	27	1	1	282.040919	-.000209	.000200		.	x	.	
33	3996	pR	28	1	1	282.772633	-.000173	.000200		.	v	.	
34	3997	pR	29	1	1	283.505124	-.000153	.000200		.	v	.	
35	3998	pR	30	1	1	284.238400	-.000161	.000200		.	v	.	
36	3999	pR	31	1	1	284.972547	-.000132	.000200		.	v	.	
37	4000	pR	32	1	1	285.707537	-.000121	.000200		.	v	.	
38	4001	pR	33	1	1	286.443412	-.000111	.000200		.	v	.	
39	4002	pR	34	1	1	287.180219	-.000084	.000200		.	v	.	
40	4003	pR	35	1	1	287.917955	-.000070	.000200		.	v	.	
41	4004	pR	36	1	1	288.656630	-.000086	.000200		.	v	.	
42	4005	pR	37	1	1	289.397043	.000643	.001000		.	v	.	
43	4006	pR	38	1	1	290.137425	.000324	.000200		.	x	.	
44	4007	pR	39	1	1	290.879049	.000206	.000200		.	x	.	
45	4008	pR	40	1	1	291.621755	.000109	.000200		.	v	.	
46	4009	pR	41	1	1	292.366184	.000655	.001000		.	v	.	
47	4010	pR	42	1	1	293.110246	-.000263	.000500		.	v	.	
48	4011	pR	43	1	1	293.856192	-.000410	.001000		.	v	.	
49	4012	pR	44	1	1	294.603296	-.000525	.001000		.	v	.	
50	4013	pR	45	1	1	295.351762	-.000417	.001000		.	v	.	
51	4014	pR	46	1	1	296.101160	-.000526	.001000		.	v	.	
52	4015	pR	47	1	1	296.851767	-.000585	.001000		.	v	.	
53	4016	pR	48	1	1	297.603549	-.000636	.001000		.	v	.	
54	4017	pR	49	1	1	298.356108	-.001084	.002000		.	v	.	
55	4018	pR	50	1	1	299.110656	-.000721	.001000		.	v	.	
56	4019	pR	51	1	1	299.865501	-.001244	.002000		.	v	.	
57	4020	pR	52	1	1	300.622951	-.000348	.000200		.	x	.	
58	4021	pR	53	1	1	301.380758	-.000285	.000200		.	x	.	

4022	pR	54	1	1	302.139717	-0.000259	.000200		.	x.	.
4023	pR	55	1	1	302.899940	-0.000160	.000200		.	v	.
4024	pR	56	1	1	303.661106	-0.000309	.000200		.	x.	.
4025	pR	57	1	1	304.423626	-0.000293	.000200		.	x.	.
4026	pR	58	1	1	305.187321	-0.000290	.000200		.	x.	.
4027	pR	59	1	1	305.952172	-0.000317	.000200		.	x.	.
4028	pR	60	1	1	306.718239	-0.000311	.000200		.	x.	.
4029	pR	61	1	1	307.485553	-0.000237	.000200		.	x	.
4030	pP	2	2	1	260.714320	-0.000207	.000200		.	x	.
4031	pP	3	2	1	260.046164	-0.000139	.000200		.	v	.
4032	pP	4	2	1	259.380203	-0.000245	.000200		.	x	.
4033	pP	5	2	1	258.716624	-0.000172	.000200		.	v	.
4034	pP	6	2	1	258.054931	-0.000212	.000200		.	x	.
4035	pP	7	2	1	257.394916	-0.000334	.000200		.	x.	.
4036	pP	8	2	1	256.736842	-0.000020	.000200		.	v	.
4037	pP	9	2	1	256.079023	-0.000691	.000200		.	*	.
4038	pP	10	2	1	255.423971	.000420	.000200		.	*	.
4039	pP	11	2	1	254.768179	.000043	.001000		.	v	.
4040	pP	12	2	1	254.113389	.000132	.000500		.	v	.
4041	pP	4	4	1	259.210977	.000046	.000200		.	v	.
4042	pP	5	4	1	258.547892	.000042	.000200		.	v	.
4043	pP	6	4	1	257.887119	.000059	.000200		.	v	.
4044	pP	7	4	1	257.228484	.000067	.000200		.	v	.
4045	pP	8	4	1	256.571702	-0.000044	.000200		.	v	.
4046	pP	9	4	1	255.916841	-0.000010	.000200		.	v	.
4047	pP	10	4	1	255.263591	.000079	.000200		.	v	.
4048	pP	11	4	1	254.611560	.000069	.000200		.	v	.
4049	pP	13	4	1	253.310535	.000156	.000200		.	v	.
4050	pP	14	4	1	252.660838	.000078	.000200		.	v	.
4051	pP	15	4	1	252.010791	-0.000621	.001000		.	v.	.
4052	pP	16	4	1	251.362084	.0000000	.000200		.	v	.
4053	pP	17	4	1	250.712484	-0.000054	.000200		.	v	.
4054	pP	18	4	1	250.062635	.000076	.000200		.	v	.
4055	pP	19	4	1	249.412195	.000236	.000200		.	x	.
4056	pP	20	4	1	248.761417	.000837	.001000		.	v	.
4057	pP	21	4	1	248.108345	.000051	.000200		.	v	.
4058	pP	22	4	1	247.455018	.000012	.000200		.	v	.
4059	pP	23	4	1	246.801052	.000405	.000200		.	*	.
4060	pR	4	4	1	265.291609	-0.000594	.001000		.	v.	.
4061	pR	5	4	1	265.980892	.000775	.001000		.	v	.
4062	pR	6	4	1	266.670465	.000379	.000500		.	v	.
4063	pR	7	4	1	267.361961	.000039	.000200		.	v	.
4064	pR	8	4	1	268.057123	.001710	.002000		.	v	.
4065	pR	9	4	1	268.750283	-0.000042	.000200		.	v	.
4066	pR	10	4	1	269.446256	-0.000148	.000200		.	v	.
4067	pR	11	4	1	270.143452	.000067	.000200		.	v	.
4068	pR	12	4	1	270.840721	-0.000271	.000500		.	v.	.
4069	pR	13	4	1	271.539052	.000104	.000200		.	v	.
4070	pR	14	4	1	272.236959	-0.000022	.000200		.	v	.
4071	pR	15	4	1	272.933472	-0.001357	.002000		.	v	.
4072	pR	16	4	1	273.632212	-0.000039	.000200		.	v	.
4073	pR	17	4	1	274.329076	.000048	.000200		.	v	.
4074	pR	18	4	1	275.025166	.000196	.000200		.	v	.
4075	pR	19	4	1	275.720928	.001010	.001000		.	x	.
4076	pR	20	4	1	276.413480	-0.000267	.000500		.	v.	.
4077	pR	21	4	1	277.108007	.001647	.002000		.	v.	.

3	4078	pR	22	4	1	277.797448	-.000245	.001000		.	v	.	
4	4079	pR	23	4	1	278.487953	.000248	.000500		.	v	.	
5	4080	pR	24	4	1	279.176783	.000401	.001000		.	.v	.	
6	4081	pR	25	4	1	279.865950	.002225	.002000		.	.x.	.	
7	4082	pR	26	4	1	280.552493	.002742	.002000		.	.x	.	
8	4083	pP	6	6	1	257.712834	.001047	.001000		.	.x	.	
9	4084	pP	7	6	1	257.053423	-.000284	.000500		.	v.	.	
10	4085	pP	8	6	1	256.397587	-.000059	.000200		.	v	.	
11	4086	pP	9	6	1	255.743408	.000006	.000200		.	v	.	
12	4087	pP	10	6	1	255.090546	-.000199	.000200		.	v	.	
13	4088	pP	11	6	1	254.437248	-.002179	.003000		.	v.	.	
14	4089	pP	12	6	1	253.789452	.000266	.001000		.	.v	.	
15	4090	pP	13	6	1	253.139582	-.000169	.000200		.	v	.	
16	4091	pP	14	6	1	252.490571	-.000282	.000200		.	x.	.	
17	4092	pP	15	6	1	251.842233	.000003	.000200		.	v	.	
18	4093	pP	16	6	1	251.193249	-.000388	.000200		.	x.	.	
19	4094	pP	19	6	1	249.245886	-.000080	.000200		.	v	.	
20	4095	pP	20	6	1	248.595453	-.000117	.000200		.	v	.	
21	4096	pP	21	6	1	247.945591	.001198	.002000		.	.v	.	
22	4097	pP	22	6	1	247.291870	-.000490	.000500		.	v.	.	
23	4098	pP	23	6	1	246.639185	-.000235	.000200		.	x	.	
24	4099	pP	24	6	1	245.985794	.000252	.000200		.	.x	.	
25	4100	pP	26	6	1	244.674551	-.000375	.000200		.	x.	.	
26	4101	pP	9	9	1	255.464850	-.000103	.000500		.	v	.	
27	4102	pP	10	9	1	254.811270	-.000097	.000500		.	v	.	
28	4103	pP	11	9	1	254.157164	-.000300	.000200		.	x.	.	
29	4104	pP	12	9	1	253.503071	-.000022	.000500		.	v	.	
30	4105	pP	13	9	1	252.848235	-.000074	.000500		.	v	.	
31	4106	pP	14	9	1	252.192617	-.000638	.001000		.	v.	.	
32	4107	pP	15	9	1	251.539851	.001769	.002000		.	.v	.	
33	4108	pP	16	9	1	250.883710	.000806	.001000		.	.v	.	
34	4109	pP	17	9	1	250.227708	-.000089	.000200		.	v	.	
35	4110	pP	18	9	1	249.572647	-.000147	.000200		.	v	.	
36	4111	pP	19	9	1	248.917926	.000024	.000200		.	v	.	
37	4112	rP	2	0	-1	260.877613	-.000228	.000200		.	x	.	
38	4113	rP	3	0	-1	260.209737	-.000184	.000200		.	v	.	
39	4114	rP	4	0	-1	259.544442	-.000322	.000200		.	x.	.	
40	4115	rP	5	0	-1	258.882223	-.000224	.000200		.	x	.	
41	4116	rP	6	0	-1	258.223239	.000184	.000500		.	v	.	
42	4117	rP	7	0	-1	257.566571	-.000103	.000200		.	v	.	
43	4118	rP	8	0	-1	256.913197	-.000183	.000200		.	v	.	
44	4119	rP	9	0	-1	256.263020	-.000206	.000200		.	x	.	
45	4120	rP	10	0	-1	255.616070	-.000156	.000200		.	v	.	
46	4121	rP	11	0	-1	254.972102	-.000250	.000200		.	x.	.	
47	4122	rP	12	0	-1	254.331312	-.000218	.000200		.	x	.	
48	4123	rP	13	0	-1	253.693622	-.000019	.000200		.	v	.	
49	4124	rP	14	0	-1	253.058285	-.000245	.000200		.	x	.	
50	4125	rP	15	0	-1	252.425944	-.000076	.000200		.	v	.	
51	4126	rP	16	0	-1	251.795863	-.000056	.000200		.	v	.	
52	4127	rP	17	0	-1	251.165529	-.002502	.003000		v	.	.	
53	4128	rP	18	0	-1	250.541997	-.000168	.000200		.	v	.	
54	4129	rP	19	0	-1	249.917924	-.000216	.000200		.	x	.	
55	4130	rP	20	0	-1	249.295599	-.000192	.000200		.	v	.	
56	4131	rP	21	0	-1	248.674765	-.000204	.000200		.	x	.	
57	4132	rP	22	0	-1	248.055385	-.000163	.000200		.	v	.	
58	4133	rP	23	0	-1	247.437272	-.000150	.000200		.	v	.	

4134	rP	24	0 -1	246.819523	- .000984	.001000	. v . .
4135	rP	25	0 -1	246.204551	- .000185	.000200	. v . .
4136	rP	26	0 -1	245.589920	- .000145	.000200	. v . .
4137	rP	27	0 -1	244.977715	.001251	.002000	. . v .
4138	rP	28	0 -1	244.364988	.001069	.002000	. . v .
4139	rP	29	0 -1	243.752275	- .000152	.000200	. v . .
4140	rP	30	0 -1	243.141938	- .000059	.000200	. v . .
4141	rP	31	0 -1	242.532498	- .000145	.000200	. v . .
4142	rP	32	0 -1	241.924262	- .000127	.000200	. v . .
4143	rP	33	0 -1	241.317135	- .000125	.000200	. v . .
4144	rP	34	0 -1	240.711131	- .000153	.000200	. v . .
4145	rP	35	0 -1	240.106302	- .000192	.000200	. v . .
4146	rP	36	0 -1	239.502772	- .000148	.000200	. v . .
4147	rP	37	0 -1	238.900428	- .000166	.000200	. v . .
4148	rP	38	0 -1	238.299282	- .000266	.000200	. x . .
4149	rP	39	0 -1	237.699613	- .000198	.000200	. v . .
4150	rP	40	0 -1	237.101235	- .000179	.000200	. v . .
4151	rP	41	0 -1	236.504295	- .000088	.000200	. v . .
4152	rP	42	0 -1	235.908535	- .000211	.000200	. x . .
4153	rR	0	0 -1	262.898088	.000496	.000500	. v . .
4154	rR	1	0 -1	263.574483	- .001572	.002000	. v . .
4155	rR	2	0 -1	264.258228	.001123	.002000	. . v .
4156	rR	3	0 -1	264.939912	- .000840	.001000	. v . .
4157	rR	4	0 -1	265.627217	.000195	.000200	. v . .
4158	rR	5	0 -1	266.316568	.000614	.001000	. . v .
4159	rR	6	0 -1	267.008350	.000756	.001000	. . v .
4160	rR	7	0 -1	267.701844	- .000146	.000200	. v . .
4161	rR	8	0 -1	268.399147	- .000034	.000200	. v . .
4162	rR	9	0 -1	269.099651	.000467	.001000	. . v .
4163	rR	10	0 -1	269.801574	- .000409	.000300	. x . .
4164	rR	11	0 -1	270.507335	- .000186	.000200	. v . .
4165	rR	12	0 -1	271.215526	- .000174	.000200	. v . .
4166	rR	13	0 -1	271.926149	- .000231	.000200	. x . .
4167	rR	14	0 -1	272.639238	- .000159	.000200	. v . .
4168	rR	15	0 -1	273.354247	- .000318	.000200	. x . .
4169	rR	16	0 -1	274.071684	- .000010	.000200	. v . .
4170	rR	17	0 -1	274.788440	- .002157	.002000	. x . .
4171	rR	18	0 -1	275.510921	- .000177	.000200	. v . .
4172	rR	19	0 -1	276.234999	.001964	.003000	. . v .
4173	rR	20	0 -1	276.954519	- .001748	.002000	. v . .
4174	rR	21	0 -1	277.680377	- .000298	.000200	. x . .
4175	rR	22	0 -1	278.405579	- .000580	.000500	. x . .
4176	rR	23	0 -1	279.132458	- .000183	.000200	. v . .
4177	rR	24	0 -1	279.859872	- .000192	.000200	. v . .
4178	rR	25	0 -1	280.588170	- .000216	.000200	. x . .
4179	rR	26	0 -1	281.317383	- .000198	.000200	. v . .
4180	rR	27	0 -1	282.047427	- .000209	.000200	. x . .
4181	rR	28	0 -1	282.778355	- .000194	.000200	. v . .
4182	rR	29	0 -1	283.510116	- .000209	.000200	. x . .
4183	rR	30	0 -1	284.242709	- .000269	.000200	. x . .
4184	rR	31	0 -1	284.976345	- .000178	.000200	. v . .
4185	rR	32	0 -1	285.710725	- .000256	.000200	. x . .
4186	rR	33	0 -1	286.446077	- .000297	.000200	. x . .
4187	rR	34	0 -1	287.182467	- .000258	.000200	. x . .
4188	rR	35	0 -1	287.919773	- .000283	.000200	. x . .
4189	rR	36	0 -1	288.658078	- .000313	.000200	. x . .

1	4190 rR 37 0 -1	289.397043	-.000709	.000300	.	*	.	
2	4191 rR 38 0 -1	290.137425	-.000735	.000300	.	*	.	
3	4192 rR 39 0 -1	290.879049	-.000586	.000200	.	*	.	
4	4193 rR 40 0 -1	291.621755	-.000439	.000200	.	*	.	
5	4194 rR 41 0 -1	292.366184	.000330	.000200	.	x	.	
6	4195 rP 3 1 -1	260.288904	.000032	.000200	.	v	.	
7	4196 rP 4 1 -1	259.622830	-.000793	.001000	.	v	.	
8	4197 rP 5 1 -1	258.961012	-.000053	.000200	.	v	.	
9	4198 rP 6 1 -1	258.301246	.000033	.000200	.	v	.	
10	4199 rP 7 1 -1	257.644226	.000150	.000200	.	v	.	
11	4200 rP 8 1 -1	256.989466	-.000198	.000200	.	v	.	
12	4201 rP 9 1 -1	256.336487	-.001489	.002000	.	v	.	
13	4202 rP 10 1 -1	255.688635	-.000370	.000200	.	x.	.	
14	4203 rP 11 1 -1	255.042870	.000141	.000200	.	v	.	
15	4204 rP 12 1 -1	254.398279	-.000833	.001000	.	v	.	
16	4205 rP 13 1 -1	253.758943	.000843	.001000	.	v	.	
17	4206 rP 14 1 -1	253.119777	.000159	.000200	.	v	.	
18	4207 rP 15 1 -1	252.483858	.000283	.000200	.	x.	.	
19	4208 rP 16 1 -1	251.850260	.000401	.000500	.	v	.	
20	4209 rP 17 1 -1	251.218413	.000066	.000200	.	v	.	
21	4210 rP 18 1 -1	250.588969	.000063	.000200	.	v	.	
22	4211 rP 19 1 -1	249.961436	.000036	.000200	.	v	.	
23	4212 rP 20 1 -1	249.335702	.000006	.000200	.	v	.	
24	4213 rP 21 1 -1	248.711546	-.000125	.000200	.	v	.	
25	4214 rP 22 1 -1	248.089140	-.000070	.000200	.	v	.	
26	4215 rP 23 1 -1	247.468220	.000004	.000200	.	v	.	
27	4216 rP 24 1 -1	246.848643	.000034	.000200	.	v	.	
28	4217 rP 25 1 -1	246.228762	-.001560	.002000	.	v	.	
29	4218 rP 26 1 -1	245.613815	.000507	.000500	.	x.	.	
30	4219 rP 27 1 -1	244.997573	.000040	.000200	.	v	.	
31	4220 rP 28 1 -1	244.382980	.000003	.000200	.	v	.	
32	4221 rP 29 1 -1	243.769580	-.000051	.000200	.	v	.	
33	4222 rP 30 1 -1	243.157495	.000000	.000200	.	v	.	
34	4223 rP 31 1 -1	242.546599	.000022	.000200	.	v	.	
35	4224 rP 32 1 -1	241.936951	.000060	.000200	.	v	.	
36	4225 rP 33 1 -1	241.328551	.000098	.000200	.	v	.	
37	4226 rP 34 1 -1	240.721288	.000003	.000200	.	v	.	
38	4227 rP 35 1 -1	240.115422	.000013	.000200	.	v	.	
39	4228 rP 36 1 -1	239.510896	.000048	.000200	.	v	.	
40	4229 rP 37 1 -1	238.907622	-.000005	.000200	.	v	.	
41	4230 rP 38 1 -1	238.305760	-.000008	.000200	.	v	.	
42	4231 rP 39 1 -1	237.705258	-.000038	.000200	.	v	.	
43	4232 rP 40 1 -1	237.106238	.000005	.000200	.	v	.	
44	4233 rP 41 1 -1	236.508569	-.000032	.000200	.	v	.	
45	4234 rP 42 1 -1	235.912314	-.000106	.000200	.	v	.	
46	4235 rP 43 1 -1	235.317729	.000020	.000200	.	v	.	
47	4236 rP 44 1 -1	234.724432	-.000056	.000200	.	v	.	
48	4237 rP 45 1 -1	234.132712	-.000060	.000200	.	v	.	
49	4238 rP 46 1 -1	233.542486	-.000093	.000200	.	v	.	
50	4239 rP 47 1 -1	232.953800	-.000123	.000200	.	v	.	
51	4240 rP 48 1 -1	232.367037	.000219	.000200	.	x	.	
52	4241 rR 1 1 -1	263.655591	.000739	.001000	.	v	.	
53	4242 rR 2 1 -1	264.333620	-.002238	.003000	.	v	.	
54	4243 rR 3 1 -1	265.017508	-.001910	.002000	.	v	.	
55	4244 rR 4 1 -1	265.705216	-.000292	.000200	.	x.	.	
56	4245 rR 5 1 -1	266.394360	.000255	.000500	.	v	.	

4246 rR 6 1 -1	267.085837	.000655	.001000	.	.v .
4247 rR 7 1 -1	267.776816	-.001896	.002000	.v .	.
4248 rR 8 1 -1	268.474659	-.000007	.000200	.	v .
4249 rR 9 1 -1	269.172867	-.000140	.000200	.	v .
4250 rR 10 1 -1	269.873680	-.000015	.000200	.	v .
4251 rR 11 1 -1	270.576654	-.000027	.000200	.	v .
4252 rR 12 1 -1	271.281913	.000009	.000200	.	v .
4253 rR 13 1 -1	271.989322	.000028	.000200	.	v .
4254 rR 14 1 -1	272.698455	-.000311	.000500	.	v .
4255 rR 15 1 -1	273.410175	-.000048	.000200	.	v .
4256 rR 16 1 -1	274.123142	-.000418	.000500	.	v .
4257 rR 17 1 -1	274.838625	-.000040	.000200	.	v .
4258 rR 18 1 -1	275.555306	-.000117	.000200	.	v .
4259 rR 19 1 -1	276.273216	-.000506	.001000	.	v .
4260 rR 20 1 -1	276.993711	.000255	.000200	.	.x .
4261 rR 21 1 -1	277.714547	.000016	.000200	.	v .
4262 rR 22 1 -1	278.436811	-.000052	.000200	.	v .
4263 rR 23 1 -1	279.160295	-.000088	.000200	.	v .
4264 rR 24 1 -1	279.885411	.000376	.000500	.	v .
4265 rR 25 1 -1	280.610747	-.000030	.000200	.	v .
4266 rR 26 1 -1	281.337509	-.000069	.000200	.	v .
4267 rR 27 1 -1	282.065276	-.000144	.000200	.	v .
4268 rR 28 1 -1	282.794302	.000012	.000200	.	v .
4269 rR 29 1 -1	283.524044	-.000144	.000200	.	v .
4270 rR 30 1 -1	284.255046	-.000068	.000200	.	v .
4271 rR 31 1 -1	284.987002	-.000073	.000200	.	v .
4272 rR 32 1 -1	285.720020	-.000062	.000200	.	v .
4273 rR 33 1 -1	286.454054	-.000093	.000200	.	v .
4274 rR 34 1 -1	287.189215	-.000068	.000200	.	v .
4275 rR 35 1 -1	287.925444	-.000060	.000200	.	v .
4276 rR 36 1 -1	288.662718	-.000106	.000200	.	v .
4277 rR 37 1 -1	289.401206	-.000052	.000200	.	v .
4278 rP 4 2 -1	259.700948	-.000087	.000300	.	v .
4279 rP 5 2 -1	259.038756	.000259	.000200	.	.x .
4280 rP 6 2 -1	258.378495	-.000094	.000200	.	v .
4281 rP 7 2 -1	257.721355	.000068	.000200	.	v .
4282 rP 8 2 -1	257.066646	.000084	.000200	.	v .
4283 rP 9 2 -1	256.415264	.000891	.001000	.	.v .
4284 rP 10 2 -1	255.764771	.000099	.000200	.	v .
4285 rP 11 2 -1	255.117282	-.000122	.000200	.	v .
4286 rP 12 2 -1	254.472630	.000127	.000200	.	v .
4287 rP 13 2 -1	253.829866	-.000031	.000200	.	v .
4288 rP 14 2 -1	253.189635	.000130	.000200	.	v .
4289 rP 15 2 -1	252.551489	.000246	.000300	.	v .
4290 rP 16 2 -1	251.915081	.000059	.000200	.	v .
4291 rP 17 2 -1	251.280808	.000060	.000200	.	v .
4292 rP 18 2 -1	250.648150	-.000182	.000500	.	v .
4293 rP 19 2 -1	250.019685	.001999	.002000	.	. v.
4294 rP 20 2 -1	249.388770	.000041	.000200	.	v .
4295 rP 21 2 -1	248.761417	.000032	.000200	.	v .
4296 rP 22 2 -1	248.135392	-.000200	.000500	.	v .
4297 rP 23 2 -1	247.511354	.000060	.000200	.	v .
4298 rP 24 2 -1	246.888505	.000056	.000200	.	v .
4299 rP 25 2 -1	246.267112	.000088	.000200	.	v .
4300 rP 26 2 -1	245.646925	-.000069	.000200	.	v .
4301 rP 27 2 -1	245.028435	.000088	.000200	.	v .

1	4302 rP 28	2 -1	244.411163	.000089	.000200	.	v	.	
2	4303 rP 29	2 -1	243.795290	.000115	.000200	.	v	.	
3	4304 rP 30	2 -1	243.180714	.000061	.000200	.	v	.	
4	4305 rP 31	2 -1	242.567583	.000066	.000200	.	v	.	
5	4306 rP 32	2 -1	241.955770	-.000006	.000200	.	v	.	
6	4307 rP 33	2 -1	241.345496	.000053	.000200	.	v	.	
7	4308 rP 34	2 -1	240.736604	.000072	.000200	.	v	.	
8	4309 rP 35	2 -1	240.129090	.000032	.000200	.	v	.	
9	4310 rP 36	2 -1	239.523041	.000005	.000200	.	v	.	
10	4311 rP 37	2 -1	238.918482	.000001	.000200	.	v	.	
11	4312 rP 38	2 -1	238.315360	-.000048	.000200	.	v	.	
12	4313 rP 39	2 -1	237.713801	-.000030	.000200	.	v	.	
13	4314 rP 40	2 -1	237.113638	-.000127	.000200	.	v	.	
14	4315 rP 41	2 -1	236.515156	-.000067	.000200	.	v	.	
15	4316 rP 42	2 -1	235.918147	-.000071	.000200	.	v	.	
16	4317 rP 43	2 -1	235.322671	-.000092	.000200	.	v	.	
17	4318 rP 44	2 -1	234.728740	-.000128	.000200	.	v	.	
18	4319 rP 45	2 -1	234.136435	-.000111	.000200	.	v	.	
19	4320 rP 46	2 -1	233.545621	-.000184	.000200	.	v	.	
20	4321 rP 47	2 -1	232.956505	-.000151	.000200	.	v	.	
21	4322 rP 48	2 -1	232.368742	-.000365	.000200	.	x.	.	
22	4323 rP 49	2 -1	231.783021	-.000146	.000200	.	v	.	
23	4324 rP 50	2 -1	231.198669	-.000175	.000200	.	v	.	
24	4325 rP 51	2 -1	230.615828	-.000317	.000200	.	x.	.	
25	4326 rP 52	2 -1	230.035113	.000037	.000500	.	v	.	
26	4327 rP 53	2 -1	229.454958	-.000685	.000500	.	x.	.	
27	4328 rP 54	2 -1	228.877215	-.000638	.000500	.	x.	.	
28	4329 rP 55	2 -1	228.301221	-.000489	.000300	.	x.	.	
29	4330 rP 56	2 -1	227.726996	-.000223	.000200	.	x	.	
30	4331 rP 57	2 -1	227.154271	-.000114	.000200	.	v	.	
31	4332 rP 58	2 -1	226.583324	.000114	.000200	.	v	.	
32	4333 rP 59	2 -1	226.013949	.000249	.000200	.	x	.	
33	4334 rP 60	2 -1	225.446103	.000248	.000200	.	x	.	
34	4335 rP 61	2 -1	224.880359	.000678	.000200	.	*	.	
35	4336 rR 2	2 -1	264.413600	.000807	.000500	.	x	.	
36	4337 rR 3	2 -1	265.095811	-.000488	.001000	.	v	.	
37	4338 rR 4	2 -1	265.782955	.000649	.000500	.	x	.	
38	4339 rR 5	2 -1	266.471277	.000513	.000500	.	x	.	
39	4340 rR 6	2 -1	267.161628	.000014	.000300	.	v	.	
40	4341 rR 7	2 -1	267.854921	.000128	.000200	.	v	.	
41	4342 rR 8	2 -1	268.549147	-.001083	.002000	.	v	.	
42	4343 rR 9	2 -1	269.247962	.000115	.000200	.	v	.	
43	4344 rR 10	2 -1	269.947774	.000210	.000200	.	x	.	
44	4345 rR 11	2 -1	270.649361	.000063	.000200	.	v	.	
45	4346 rR 12	2 -1	271.353044	.000083	.000200	.	v	.	
46	4347 rR 13	2 -1	272.058489	.000024	.000200	.	v	.	
47	4348 rR 14	2 -1	272.765808	.000082	.000200	.	v	.	
48	4349 rR 15	2 -1	273.474767	.000107	.000200	.	v	.	
49	4350 rR 16	2 -1	274.185266	.000077	.000200	.	v	.	
50	4351 rR 17	2 -1	274.897254	.000016	.000200	.	v	.	
51	4352 rR 18	2 -1	275.611098	.000355	.000500	.	v	.	
52	4353 rR 19	2 -1	276.325705	.000060	.000200	.	v	.	
53	4354 rR 20	2 -1	277.041951	.000056	.000200	.	v	.	
54	4355 rR 21	2 -1	277.759386	-.000065	.000200	.	v	.	
55	4356 rR 22	2 -1	278.478349	.000070	.000200	.	v	.	
56	4357 rR 23	2 -1	279.198398	.000046	.000200	.	v	.	

1								
2								
3	4358 rR 24 2 -1	279.919600	-.000052	.000200	. v .			
4	4359 rR 25 2 -1	280.642187	.000022	.000200	. v .			
5	4360 rR 26 2 -1	281.365894	.000013	.000200	. v .			
6	4361 rR 27 2 -1	282.090812	.000016	.000200	. v .			
7	4362 rR 28 2 -1	282.816874	-.000034	.000200	. v .			
8	4363 rR 29 2 -1	283.544229	.000011	.000200	. v .			
9	4364 rR 30 2 -1	284.272704	-.000024	.000200	. v .			
10	4365 rR 31 2 -1	285.002449	.000006	.000200	. v .			
11	4366 rR 32 2 -1	285.733315	-.000050	.000200	. v .			
12	4367 rR 33 2 -1	286.465443	-.000059	.000200	. v .			
13	4368 rR 34 2 -1	287.198710	-.000148	.000200	. v .			
14	4369 rR 35 2 -1	287.933365	-.000074	.000200	. v .			
15	4370 rR 36 2 -1	288.669079	-.000170	.000200	. v .			
16	4371 rR 37 2 -1	289.406243	-.000051	.000200	. v .			
17	4372 rR 38 2 -1	290.144413	-.000165	.000200	. v .			
18	4373 rR 39 2 -1	290.883870	-.000234	.000200	. x .			
19	4374 rR 40 2 -1	291.624743	-.000134	.000200	. v .			
20	4375 rR 41 2 -1	292.366184	-.000715	.001000	. v .			
21	4376 rR 42 2 -1	293.110246	.000074	.000200	. v .			
22	4377 rR 43 2 -1	293.856192	.001493	.002000	. . v .			
23	4378 rR 44 2 -1	294.600296	-.000185	.000200	. v .			
24	4379 rR 45 2 -1	295.347311	-.000207	.000200	. x .			
25	4380 rR 46 2 -1	296.095600	-.000210	.000200	. x .			
26	4381 rR 47 2 -1	296.845167	-.000191	.000200	. v .			
27	4382 rR 48 2 -1	297.595866	-.000294	.000200	. x .			
28	4383 rR 49 2 -1	298.347950	-.000266	.000200	. x .			
29	4384 rR 50 2 -1	299.101220	-.000303	.000200	. x .			
30	4385 rR 51 2 -1	299.855769	-.000310	.000200	. x .			
31	4386 rR 52 2 -1	300.611543	-.000338	.000200	. x .			
32	4387 rR 53 2 -1	301.368588	-.000339	.000200	. x .			
33	4388 rR 54 2 -1	302.126845	-.000369	.000200	. x .			
34	4389 rR 55 2 -1	302.886433	-.000303	.000200	. x .			
35	4390 rR 56 2 -1	303.647085	-.000405	.000200	* .			
36	4391 rR 57 2 -1	304.409099	-.000373	.000200	. x .			
37	4392 rR 58 2 -1	305.172130	-.000546	.000200	. * .			
38	4393 rR 59 2 -1	305.936660	-.000438	.000200	. * .			
39	4394 rR 60 2 -1	306.702247	-.000484	.000200	. * .			
40	4395 rR 61 2 -1	307.469098	-.000472	.000200	. * .			
41	4396 rR 62 2 -1	308.237262	-.000347	.000200	. x .			
42	4397 rR 63 2 -1	309.006256	-.000586	.000200	. * .			
43	4398 rR 64 2 -1	309.776648	-.000613	.000200	. * .			
44	4399 rR 65 2 -1	310.548284	-.000576	.000200	. * .			
45	4400 rR 66 2 -1	311.321081	-.000551	.000200	. * .			
46	4401 rR 67 2 -1	312.095372	-.000196	.000500	. v .			
47	4402 rR 68 2 -1	312.870301	-.000362	.000200	. x .			
48	4403 rP 5 3 -1	259.112787	-.001695	.002000	. v .			
49	4404 rP 6 3 -1	258.454801	.000135	.000200	. v .			
50	4405 rP 7 3 -1	257.797580	.000184	.000200	. v .			
51	4406 rP 8 3 -1	257.141786	-.000825	.010000	. v .			
52	4407 rP 9 3 -1	256.490412	.000173	.000200	. v .			
53	4408 rP 10 3 -1	255.840284	.000085	.000200	. v .			
54	4409 rP 11 3 -1	255.192512	.000112	.000200	. v .			
55	4410 rP 12 3 -1	254.546768	.000025	.000200	. v .			
56	4411 rP 13 3 -1	253.903605	.000478	.000500	. v .			
57	4412 rP 14 3 -1	253.261511	.000064	.000200	. v .			
58	4413 rP 15 3 -1	252.621783	.000180	.000200	. v .			
59								
60								

1	4414 rP 16 3 -1	251.983539	.000038	.000200	.	v	.	
2	4415 rP 17 3 -1	251.346932	-.000122	.000200	.	v	.	
3	4416 rP 18 3 -1	250.712484	.000293	.000300	.	.v	.	
4	4417 rP 19 3 -1	250.078905	.000052	.000200	.	v	.	
5	4418 rP 20 3 -1	249.446808	-.000187	.000300	.	v	.	
6	4419 rP 21 3 -1	248.816816	.000227	.000200	.	x	.	
7	4420 rP 22 3 -1	248.187812	.000196	.000200	.	v	.	
8	4421 rP 23 3 -1	247.560264	.000191	.000200	.	v	.	
9	4422 rP 24 3 -1	246.934049	.000086	.000200	.	v	.	
10	4423 rP 25 3 -1	246.309391	.000096	.000200	.	v	.	
11	4424 rP 26 3 -1	245.686194	.000111	.000200	.	v	.	
12	4425 rP 27 3 -1	245.064483	.000138	.000200	.	v	.	
13	4426 rP 28 3 -1	244.444058	-.000040	.000200	.	v	.	
14	4427 rP 29 3 -1	243.825540	.000180	.000200	.	v	.	
15	4428 rP 30 3 -1	243.208245	.000098	.000200	.	v	.	
16	4429 rP 31 3 -1	242.592510	.000034	.000200	.	v	.	
17	4430 rP 32 3 -1	241.978497	.000137	.000200	.	v	.	
18	4431 rP 33 3 -1	241.365924	.000112	.000200	.	v	.	
19	4432 rP 34 3 -1	240.754965	.000120	.000200	.	v	.	
20	4433 rP 35 3 -1	240.145524	.000057	.000200	.	v	.	
21	4434 rP 36 3 -1	239.537921	.000232	.000200	.	x	.	
22	4435 rP 37 3 -1	238.931609	.000091	.000200	.	v	.	
23	4436 rP 38 3 -1	238.327017	.000056	.000200	.	v	.	
24	4437 rP 39 3 -1	237.724124	.000098	.000200	.	v	.	
25	4438 rP 40 3 -1	237.122881	.000164	.000200	.	v	.	
26	4439 rP 41 3 -1	236.523142	.000101	.000200	.	v	.	
27	4440 rP 42 3 -1	235.925069	.000066	.000200	.	v	.	
28	4441 rP 43 3 -1	235.328672	.000066	.000200	.	v	.	
29	4442 rP 44 3 -1	234.733950	.000095	.000200	.	v	.	
30	4443 rP 45 3 -1	234.140835	.000080	.000200	.	v	.	
31	4444 rP 46 3 -1	233.549343	.000034	.000200	.	v	.	
32	4445 rP 47 3 -1	232.959453	-.000067	.000200	.	v	.	
33	4446 rP 48 3 -1	232.371849	.000456	.000500	.	.v	.	
34	4447 rP 49 3 -1	231.784752	-.000178	.000200	.	v	.	
35	4448 rP 50 3 -1	231.200344	.000210	.000500	.	v	.	
36	4449 rP 51 3 -1	230.617624	.000616	.001000	.	.v	.	
37	4450 rP 52 3 -1	230.035113	-.000441	.000500	.	v	.	
38	4451 rP 53 3 -1	229.454958	-.000817	.001000	.	v	.	
39	4452 rP 54 3 -1	228.877215	-.000459	.000500	.	v	.	
40	4453 rP 55 3 -1	228.301221	-.000031	.000200	.	v	.	
41	4454 rR 3 3 -1	265.171949	.000570	.000500	.	.x	.	
42	4455 rR 4 3 -1	265.857903	.000577	.000500	.	.x	.	
43	4456 rR 5 3 -1	266.544956	-.000733	.001000	.	v.	.	
44	4457 rR 6 3 -1	267.236798	.000411	.000500	.	.v	.	
45	4458 rR 7 3 -1	267.929355	.000030	.000200	.	v	.	
46	4459 rR 8 3 -1	268.624427	.000025	.000200	.	v	.	
47	4460 rR 9 3 -1	269.321690	.000183	.000200	.	v	.	
48	4461 rR 10 3 -1	270.020616	.000092	.000200	.	v	.	
49	4462 rR 11 3 -1	270.721458	.000123	.000200	.	v	.	
50	4463 rR 12 3 -1	271.423909	.000084	.000200	.	v	.	
51	4464 rR 13 3 -1	272.127961	.000079	.000200	.	v	.	
52	4465 rR 14 3 -1	272.833594	.000187	.000200	.	v	.	
53	4466 rR 15 3 -1	273.540500	.000190	.000200	.	v	.	
54	4467 rR 16 3 -1	274.248619	.000099	.000200	.	v	.	
55	4468 rR 17 3 -1	274.957963	-.000017	.000200	.	v	.	
56	4469 rR 18 3 -1	275.668597	-.000057	.000200	.	v	.	

4470	rR	19	3	-1	276.380565	.000045	.000200	.	v	.
4471	rR	20	3	-1	277.093701	.000130	.000200	.	v	.
4472	rR	21	3	-1	277.807820	.000009	.000200	.	v	.
4473	rR	23	3	-1	279.239956	.000038	.000200	.	v	.
4474	rR	24	3	-1	279.957914	.000088	.000200	.	v	.
4475	rR	25	3	-1	280.677096	.000096	.000200	.	v	.
4476	rR	26	3	-1	281.397980	.000517	.000500	.	x	.
4477	rR	27	3	-1	282.119330	.000097	.000200	.	v	.
4478	rR	28	3	-1	282.842720	.000392	.000500	.	v	.
4479	rR	29	3	-1	283.566811	.000050	.000200	.	v	.
4480	rR	30	3	-1	284.292445	-.000100	.000200	.	v	.
4481	rR	31	3	-1	285.019566	-.000120	.000200	.	v	.
4482	rR	32	3	-1	285.748255	.000063	.000200	.	v	.
4483	rR	33	3	-1	286.478095	.000030	.000200	.	v	.
4484	rR	34	3	-1	287.209366	.000059	.000200	.	v	.
4485	rR	35	3	-1	287.941846	-.000071	.000200	.	v	.
4486	rR	36	3	-1	288.675883	-.000012	.000200	.	v	.
4487	rR	37	3	-1	289.411398	.000159	.000200	.	v	.
4488	rR	38	3	-1	290.148423	.000478	.000500	.	v	.
4489	rR	39	3	-1	290.886043	.000034	.000200	.	v	.
4490	rR	40	3	-1	291.624743	-.000684	.001000	.	v.	.
4491	rR	41	3	-1	292.366184	-.000010	.000200	.	v	.
4492	rR	42	3	-1	293.110246	.001939	.002000	.	v.	v.
4493	rR	43	3	-1	293.851748	-.000010	.000200	.	v	.
4494	rR	44	3	-1	294.596303	-.000241	.000500	.	v	.
4495	rR	45	3	-1	295.342787	.000129	.000200	.	v	.
4496	rR	46	3	-1	296.089977	-.000118	.000200	.	v	.
4497	rR	47	3	-1	296.838718	-.000131	.000200	.	v	.
4498	rR	48	3	-1	297.588948	.000033	.000200	.	v	.
4499	rR	49	3	-1	298.340219	-.000067	.000200	.	v	.
4500	rR	50	3	-1	299.092854	-.000102	.000200	.	v	.
4501	rR	51	3	-1	299.846893	-.000026	.000200	.	v	.
4502	rR	52	3	-1	300.602272	.000103	.000200	.	v	.
4503	rR	53	3	-1	301.358640	-.000059	.000200	.	v	.
4504	rR	54	3	-1	302.116320	-.000183	.000200	.	v	.
4505	rR	55	3	-1	302.875621	.000047	.000200	.	v	.
4506	rR	56	3	-1	303.635841	-.000065	.000200	.	v	.
4507	rR	57	3	-1	304.397452	-.000039	.000200	.	v	.
4508	rR	58	3	-1	305.160387	.000065	.000200	.	v	.
4509	rR	59	3	-1	305.924276	-.000117	.000200	.	v	.
4510	rR	60	3	-1	306.689521	-.000175	.000200	.	v	.
4511	rR	61	3	-1	307.455927	-.000296	.000500	.	v.	.
4512	rR	62	3	-1	308.223766	-.000202	.000300	.	v	.
4513	rR	63	3	-1	308.993060	.000139	.000200	.	v	.
4514	rR	64	3	-1	309.763219	.000144	.000200	.	v	.
4515	rR	65	3	-1	310.534540	.000117	.000200	.	v	.
4516	rR	66	3	-1	311.307418	.000463	.000500	.	v	.
4517	rR	67	3	-1	312.080907	.000242	.000500	.	v	.
4518	rR	68	3	-1	312.856253	.000711	.000500	.	x	.
4519	rR	69	3	-1	313.632013	.000435	.000200	.	*	.
4520	rP	6	4	-1	258.530380	.001118	.002000	.	v	.
4521	rP	7	4	-1	257.872142	-.000004	.000200	.	v	.
4522	rP	8	4	-1	257.216986	-.000452	.000500	.	v.	.
4523	rP	9	4	-1	256.564910	-.000121	.000200	.	v	.
4524	rP	10	4	-1	255.916841	.002035	.002000	.	.	x.
4525	rP	12	4	-1	254.620639	.000263	.000500	.	v	.

1	4526 rP 14 4 -1	253.333089	.000014	.000200	.	v	.	
2	4527 rP 15 4 -1	252.691845	.000062	.000200	.	v	.	
3	4528 rP 16 4 -1	252.051895	-.000030	.000200	.	v	.	
4	4529 rP 17 4 -1	251.413359	-.000066	.000200	.	v	.	
5	4530 rP 18 4 -1	250.775926	-.000302	.000300	.	x.	.	
6	4531 rP 19 4 -1	250.140135	-.000174	.000200	.	v	.	
7	4532 rP 20 4 -1	249.505561	-.000101	.000200	.	v	.	
8	4533 rP 21 4 -1	248.872302	-.000002	.000200	.	v	.	
9	4534 rP 22 4 -1	248.240676	.000412	.000500	.	v	.	
10	4535 rP 23 4 -1	247.609532	-.000051	.000200	.	v	.	
11	4536 rP 24 4 -1	246.980254	-.000056	.000200	.	v	.	
12	4537 rP 25 4 -1	246.352480	-.000013	.000200	.	v	.	
13	4538 rP 26 4 -1	245.726167	-.000013	.000200	.	v	.	
14	4539 rP 27 4 -1	245.101344	-.000073	.000200	.	v	.	
15	4540 rP 28 4 -1	244.478286	.000041	.000200	.	v	.	
16	4541 rP 29 4 -1	243.856616	-.000082	.000200	.	v	.	
17	4542 rP 30 4 -1	243.236773	-.000035	.000200	.	v	.	
18	4543 rP 31 4 -1	242.618582	-.000015	.000200	.	v	.	
19	4544 rP 32 4 -1	242.002144	.000057	.000200	.	v	.	
20	4545 rP 33 4 -1	241.387363	.000072	.000200	.	v	.	
21	4546 rP 34 4 -1	240.774002	-.000219	.000200	.	x	.	
22	4547 rP 35 4 -1	240.162940	.000055	.000200	.	v	.	
23	4548 rP 36 4 -1	239.553274	-.000014	.000200	.	v	.	
24	4549 rP 37 4 -1	238.945359	-.000074	.000200	.	v	.	
25	4550 rP 38 4 -1	238.339257	-.000065	.000200	.	v	.	
26	4551 rP 39 4 -1	237.734871	-.000083	.000200	.	v	.	
27	4552 rP 40 4 -1	237.132262	-.000067	.000200	.	v	.	
28	4553 rP 41 4 -1	236.531379	-.000066	.000200	.	v	.	
29	4554 rP 42 4 -1	235.932281	-.000019	.000200	.	v	.	
30	4555 rP 43 4 -1	235.334722	-.000171	.000200	.	v	.	
31	4556 rP 44 4 -1	234.739194	-.000027	.000200	.	v	.	
32	4557 rP 45 4 -1	234.145396	.000115	.000200	.	v	.	
33	4558 rR 4 4 -1	265.930315	-.000156	.000200	.	v	.	
34	4559 rR 5 4 -1	266.618581	-.000185	.000200	.	v	.	
35	4560 rR 6 4 -1	267.309330	-.000008	.000200	.	v	.	
36	4561 rR 7 4 -1	268.001814	-.000247	.000200	.	x	.	
37	4562 rR 8 4 -1	268.696792	-.000004	.000200	.	v	.	
38	4563 rR 9 4 -1	269.393388	-.000008	.000200	.	v	.	
39	4564 rR 10 4 -1	270.091585	-.000123	.000200	.	v	.	
40	4565 rR 11 4 -1	270.791545	-.000036	.000200	.	v	.	
41	4566 rR 12 4 -1	271.492894	.000023	.000200	.	v	.	
42	4567 rR 13 4 -1	272.195392	-.000057	.000200	.	v	.	
43	4568 rR 14 4 -1	272.899068	-.000135	.000200	.	v	.	
44	4569 rR 15 4 -1	273.604609	.000559	.001000	.	.v	.	
45	4570 rR 16 4 -1	274.309883	-.000047	.000200	.	v	.	
46	4571 rR 17 4 -1	275.016679	-.000135	.000200	.	v	.	
47	4572 rR 18 4 -1	275.724548	-.000148	.000200	.	v	.	
48	4573 rR 19 4 -1	276.433539	-.000054	.000200	.	v	.	
49	4574 rR 20 4 -1	277.144879	.001340	.002000	.	.v	.	
50	4575 rR 21 4 -1	277.854208	-.000371	.000500	.	v.	.	
51	4576 rR 22 4 -1	278.566683	-.000084	.000200	.	v	.	
52	4577 rR 23 4 -1	279.280024	-.000134	.000200	.	v	.	
53	4578 rR 24 4 -1	279.995088	.000281	.000500	.	.v	.	
54	4579 rR 25 4 -1	280.710689	-.000077	.000200	.	v	.	
55	4580 rR 26 4 -1	281.428078	-.000002	.000200	.	v	.	
56	4581 rR 27 4 -1	282.146807	.000018	.000200	.	v	.	

4582 rR 28	4 -1	282.8666809	- .000117	.000200		.	v
4583 rR 29	4 -1	283.588380	- .000138	.000200		.	v
4584 rR 30	4 -1	284.311475	- .000109	.000200		.	v
4585 rR 31	4 -1	285.035857	- .000282	.000500		.	v.
4586 rR 32	4 -1	285.762121	- .000069	.000200		.	v
4587 rR 33	4 -1	286.489674	- .000069	.000200		.	v
4588 rR 34	4 -1	287.218726	- .000072	.000200		.	v
4589 rR 35	4 -1	287.949334	- .000018	.000200		.	v
4590 rR 36	4 -1	288.681441	.000041	.000200		.	v
4591 rR 37	4 -1	289.415181	.000244	.000200		.	x
4592 rR 38	4 -1	290.148423	- .001529	.002000		.v	.
4593 rR 39	4 -1	290.886043	- .000395	.001000		.v.	.
4594 rR 40	4 -1	291.624743	.000360	.000300		.x	.
4595 rR 41	4 -1	292.366184	.002407	.003000		.	v
4596 rR 42	4 -1	293.104221	- .000389	.001000		.v.	.
4597 rR 43	4 -1	293.846828	- .000041	.000200		.	v
4598 rR 44	4 -1	294.590335	- .000209	.000500		.	v
4599 rR 45	4 -1	295.335490	- .000134	.000300		.	v
4600 rR 46	4 -1	296.081954	- .000143	.000300		.	v
4601 rR 47	4 -1	296.829870	- .000084	.000200		.	v
4602 rR 48	4 -1	297.579118	- .000064	.000200		.	v
4603 rR 49	4 -1	298.329624	- .000148	.000200		.	v
4604 rR 50	4 -1	299.081629	- .000084	.000200		.	v
4605 rR 51	4 -1	299.834899	- .000097	.000200		.	v
4606 rR 52	4 -1	300.589283	- .000326	.000200		.	x.
4607 rR 53	4 -1	301.345322	- .000222	.000200		.	x
4608 rR 54	4 -1	302.102608	- .000182	.000200		.	v
4609 rR 55	4 -1	302.861231	- .000108	.000200		.	v
4610 rR 56	4 -1	303.620915	- .000265	.000200		.	x.
4611 rR 57	4 -1	304.382185	- .000119	.000200		.	v
4612 rR 58	4 -1	305.144479	- .000222	.000200		.	x
4613 rR 59	4 -1	305.908090	- .000274	.000200		.	x.
4614 rR 60	4 -1	306.672985	- .000296	.000200		.	x.
4615 rR 61	4 -1	307.439362	- .000082	.000200		.	v
4616 rR 62	4 -1	308.206623	- .000221	.000200		.	x
4617 rR 63	4 -1	308.975382	- .000088	.000200		.	v
4618 rP 7	5 -1	257.942702	- .002481	.030000		v	.
4619 rP 8	5 -1	257.288746	- .001921	.002000		.v	.
4620 rP 9	5 -1	256.637842	- .000467	.000200		.	*
4621 rP 10	5 -1	255.987686	- .000248	.000200		.	x
4622 rP 11	5 -1	255.338849	- .000513	.000200		.	*
4623 rP 12	5 -1	254.692555	.000146	.001000		.	v
4624 rP 13	5 -1	254.046299	- .000605	.000300		.	*
4625 rP 14	5 -1	253.402437	- .000259	.000200		.	x.
4626 rP 15	5 -1	252.759353	- .000314	.000200		.	x.
4627 rP 16	5 -1	252.117413	- .000324	.000200		.	x.
4628 rP 17	5 -1	251.476472	- .000392	.000200		.	x.
4629 rP 18	5 -1	250.836711	- .000333	.000200		.	x.
4630 rP 19	5 -1	250.198254	- .000053	.000300		.	v
4631 rP 20	5 -1	249.560433	- .000271	.000200		.	x.
4632 rP 21	5 -1	248.923978	- .000327	.000200		.	x.
4633 rP 22	5 -1	248.289171	- .000017	.000300		.	v
4634 rP 23	5 -1	247.655223	- .000213	.000200		.	x
4635 rP 24	5 -1	247.022932	- .000197	.000200		.	v
4636 rP 25	5 -1	246.392054	- .000287	.000200		.	x.
4637 rP 27	5 -1	245.135462	- .000126	.000200		.	v

1	4638 rP 28 5 -1	244.509520	-.000216	.000200	.	x	.	
2	4639 rP 29 5 -1	243.885395	-.000231	.000200	.	x	.	
3	4640 rP 30 5 -1	243.263067	-.000227	.000200	.	x	.	
4	4641 rP 31 5 -1	242.642465	-.000302	.000200	.	x.	.	
5	4642 rP 32 5 -1	242.023850	-.000216	.000200	.	x	.	
6	4643 rP 33 5 -1	241.407031	-.000175	.000200	.	v	.	
7	4644 rP 34 5 -1	240.791952	-.000244	.000200	.	x	.	
8	4645 rP 35 5 -1	240.178792	-.000251	.000200	.	x.	.	
9	4646 rP 36 5 -1	239.567422	-.000327	.000200	.	x.	.	
10	4647 rP 37 5 -1	238.958123	-.000190	.000200	.	v	.	
11	4648 rP 38 5 -1	238.350501	-.000232	.000200	.	x	.	
12	4649 rP 39 5 -1	237.744795	-.000208	.000200	.	x	.	
13	4650 rP 40 5 -1	237.140963	-.000155	.000200	.	v	.	
14	4651 rP 41 5 -1	236.538791	-.000282	.000200	.	x.	.	
15	4652 rP 42 5 -1	235.938627	-.000232	.000200	.	x	.	
16	4653 rP 43 5 -1	235.340234	-.000235	.000200	.	x	.	
17	4654 rP 44 5 -1	234.743721	-.000175	.000200	.	v	.	
18	4655 rP 45 5 -1	234.148927	-.000205	.000200	.	x	.	
19	4656 rP 46 5 -1	233.555881	-.000289	.000200	.	x.	.	
20	4657 rP 47 5 -1	232.964682	-.000322	.000200	.	x.	.	
21	4658 rP 48 5 -1	232.375343	-.000282	.000200	.	x.	.	
22	4659 rP 49 5 -1	231.787746	-.000283	.000200	.	x.	.	
23	4660 rP 50 5 -1	231.201986	-.000222	.000200	.	x	.	
24	4661 rP 51 5 -1	230.617624	-.000534	.000300	.	x.	.	
25	4662 rP 52 5 -1	230.035113	-.000760	.000500	.	x.	.	
26	4663 rP 53 5 -1	229.454958	-.000390	.000200	.	x.	.	
27	4664 rP 54 5 -1	228.877215	.000637	.001000	.	.v	.	
28	4665 rP 55 5 -1	228.299433	-.000126	.000300	.	v	.	
29	4666 rP 56 5 -1	227.723932	-.000355	.000200	.	x.	.	
30	4667 rP 57 5 -1	227.150444	-.000314	.000200	.	x.	.	
31	4668 rP 58 5 -1	226.577935	-.001033	.001000	.	x.	.	
32	4669 rP 59 5 -1	226.008674	-.000241	.000200	.	x	.	
33	4670 rP 60 5 -1	225.440154	-.000441	.000300	.	x.	.	
34	4671 rP 61 5 -1	224.873809	-.000196	.000200	.	v	.	
35	4672 rP 62 5 -1	224.309239	.000098	.000200	.	v	.	
36	4673 rR 5 5 -1	266.689385	-.000305	.000200	.	x.	.	
37	4674 rR 6 5 -1	267.379881	-.000285	.000200	.	x.	.	
38	4675 rR 7 5 -1	268.072216	-.000448	.000200	.	*	.	
39	4676 rR 8 5 -1	268.766650	-.000344	.000200	.	x.	.	
40	4677 rR 9 5 -1	269.462677	-.000280	.000200	.	x.	.	
41	4678 rR 10 5 -1	270.159934	-.000420	.000200	.	*	.	
42	4679 rR 11 5 -1	270.858501	-.000498	.000200	.	*	.	
43	4680 rR 12 5 -1	271.558602	-.000124	.000700	.	v	.	
44	4681 rR 13 5 -1	272.259493	.000088	.000500	.	v	.	
45	4682 rR 14 5 -1	272.960662	-.000280	.000200	.	x.	.	
46	4683 rR 15 5 -1	273.663005	-.000282	.000200	.	x.	.	
47	4684 rR 16 5 -1	274.366098	-.000329	.000200	.	x.	.	
48	4685 rR 17 5 -1	275.070107	-.000277	.000200	.	x.	.	
49	4686 rR 18 5 -1	275.774762	-.000443	.000200	.	*	.	
50	4687 rR 19 5 -1	276.480627	-.000329	.000200	.	x.	.	
51	4688 rR 20 5 -1	277.187427	-.000289	.000200	.	x.	.	
52	4689 rR 21 5 -1	277.895242	-.000323	.000200	.	x.	.	
53	4690 rR 22 5 -1	278.604315	-.000270	.000200	.	x.	.	
54	4691 rR 23 5 -1	279.314637	-.000218	.000200	.	x	.	
55	4692 rR 24 5 -1	280.026156	-.000290	.000200	.	x.	.	
56	4693 rR 25 5 -1	280.739168	-.000255	.000200	.	x.	.	

4694 rR 26	5 -1	281.453565	- .000275	.000200	.	x.
4695 rR 27	5 -1	282.169478	- .000267	.000200	.	x.
4696 rR 28	5 -1	282.886909	- .000267	.000200	.	x.
4697 rR 29	5 -1	283.606294	.000130	.000500	.	v.
4698 rR 30	5 -1	284.326473	- .000259	.000200	.	x.
4699 rR 31	5 -1	285.048695	- .000199	.000200	.	v.
4700 rR 32	5 -1	285.772350	- .000312	.000200	.	x.
4701 rR 33	5 -1	286.497784	- .000255	.000200	.	x.
4702 rR 34	5 -1	287.224905	- .000120	.000200	.	v.
4703 rR 35	5 -1	287.953191	- .000426	.000200	.	*
4704 rR 36	5 -1	288.683423	- .000385	.000200	.	x.
4705 rR 37	5 -1	289.415181	- .000408	.000200	.	*
4706 rR 38	5 -1	290.148423	- .000524	.000300	.	x.
4707 rR 39	5 -1	290.883870	- .000001	.000300	.	v.
4708 rR 40	5 -1	291.621755	.001409	.002000	.	v.
4709 rR 41	5 -1	292.358019	- .000339	.000200	.	x.
4710 rR 42	5 -1	293.097570	- .000321	.000200	.	x.
4711 rR 43	5 -1	293.838551	- .000379	.000200	.	x.
4712 rR 44	5 -1	294.581137	- .000324	.000200	.	x.
4713 rR 45	5 -1	295.325089	- .000377	.000200	.	x.
4714 rR 46	5 -1	296.070576	- .000356	.000200	.	x.
4715 rR 47	5 -1	296.817557	- .000286	.000200	.	x.
4716 rR 48	5 -1	297.565904	- .000281	.000200	.	x.
4717 rR 49	5 -1	298.315569	- .000375	.000200	.	x.
4718 rR 50	5 -1	299.066780	- .000324	.000200	.	x.
4719 rR 51	5 -1	299.819273	- .000381	.000200	.	x.
4720 rR 52	5 -1	300.573254	- .000324	.000200	.	x.
4721 rR 53	5 -1	301.328538	- .000328	.000200	.	x.
4722 rR 54	5 -1	302.085137	- .000366	.000200	.	x.
4723 rR 55	5 -1	302.843088	- .000390	.000200	.	x.
4724 rR 56	5 -1	303.602383	- .000395	.000200	.	x.
4725 rR 57	5 -1	304.363201	- .000191	.000200	.	v.
4726 rR 58	5 -1	305.125085	- .000223	.000200	.	x.
4727 rR 59	5 -1	305.888224	- .000291	.000200	.	x.
4728 rR 60	5 -1	306.652577	- .000424	.000200	.	*
4729 rR 61	5 -1	307.418367	- .000388	.000200	.	x.
4730 rR 62	5 -1	308.185494	- .000273	.000200	.	x.
4731 rR 63	5 -1	308.953704	- .000321	.000200	.	x.
4732 rR 64	5 -1	309.723019	- .000499	.000300	.	x.
4733 rR 65	5 -1	310.494202	- .000035	.000200	.	v.
4734 rR 66	5 -1	311.265986	- .000184	.000200	.	v.
4735 rP 11	6 -1	255.408785	- .000628	.000200	.	*
4736 rP 12	6 -1	254.761057	- .000186	.000500	.	v.
4737 rP 13	6 -1	254.113389	- .000616	.000200	.	*
4738 rP 14	6 -1	253.467355	- .000229	.000500	.	v.
4739 rP 15	6 -1	252.819311	- .002622	.003000	v.	.
4740 rP 16	6 -1	252.176858	- .000215	.000500	.	v.
4741 rP 17	6 -1	251.532438	- .000631	.000200	.	*
4742 rP 18	6 -1	250.889378	- .000642	.000200	.	*
4743 rP 19	6 -1	250.247687	- .000351	.000200	.	x.
4744 rP 20	6 -1	249.606572	- .000667	.000300	.	*
4745 rP 21	6 -1	248.967214	- .000523	.000200	.	*
4746 rP 22	6 -1	248.328576	- .001061	.001000	.	x.
4747 rP 23	6 -1	247.692929	- .000107	.000500	.	v.
4748 rP 24	6 -1	247.057607	- .000411	.000200	.	*
4749 rP 25	6 -1	246.424236	- .000421	.000200	.	*

1	4750 rP 26 6 -1	245.792958	-.000060	.000500	. v .
2	4751 rP 27 6 -1	245.162856	-.000298	.000200	. x. .
3	4752 rP 28 6 -1	244.535903	.000791	.002000	. . v .
4	4753 rP 29 6 -1	243.908518	-.000410	.000200	. *. .
5	4754 rP 30 6 -1	243.284330	-.000303	.000200	. x. .
6	4755 rP 31 6 -1	242.662000	-.000248	.000200	. x .
7	4756 rP 32 6 -1	242.041515	-.000277	.000200	. x. .
8	4757 rP 33 6 -1	241.422912	-.000363	.000200	. x. .
9	4758 rP 34 6 -1	240.806392	-.000312	.000200	. x. .
10	4759 rP 35 6 -1	240.191809	-.000274	.000200	. x. .
11	4760 rP 36 6 -1	239.579128	-.000283	.000200	. x. .
12	4761 rP 37 6 -1	238.968422	-.000262	.000200	. x. .
13	4762 rP 38 6 -1	238.359839	-.000059	.000200	. v .
14	4763 rP 39 6 -1	237.752690	-.000355	.000200	. x. .
15	4764 rP 40 6 -1	237.147730	-.000387	.000200	. x. .
16	4765 rP 41 6 -1	236.544680	-.000424	.000200	. *. .
17	4766 rP 42 6 -1	235.943631	-.000364	.000200	. x. .
18	4767 rP 43 6 -1	235.344580	-.000201	.000200	. x .
19	4768 rP 44 6 -1	234.746992	-.000458	.000200	. *. .
20	4769 rP 45 6 -1	234.151647	-.000345	.000200	. x. .
21	4770 rP 46 6 -1	233.557912	-.000484	.000200	. *. .
22	4771 rR 6 6 -1	267.447974	-.000242	.000200	. x .
23	4772 rR 7 6 -1	268.140118	-.000335	.000200	. x. .
24	4773 rR 8 6 -1	268.833807	-.000367	.000200	. x. .
25	4774 rR 9 6 -1	269.528502	-.000595	.000200	. *. .
26	4775 rR 10 6 -1	270.225068	.000102	.001000	. v .
27	4776 rR 11 6 -1	270.921078	-.000504	.000200	. *. .
28	4777 rR 12 6 -1	271.618590	-.000225	.000200	. x .
29	4778 rR 13 6 -1	272.316328	-.000279	.000200	. x. .
30	4779 rR 14 6 -1	273.014512	-.000452	.000200	. *. .
31	4780 rR 15 6 -1	273.713473	-.000469	.000200	. *. .
32	4781 rR 16 6 -1	274.413164	-.000464	.000200	. *. .
33	4782 rR 17 6 -1	275.115859	.001733	.003000	. . v .
34	4783 rR 18 6 -1	275.815130	-.000416	.000200	. *. .
35	4784 rR 19 6 -1	276.517616	-.000379	.000200	. x. .
36	4785 rR 20 6 -1	277.220878	-.000696	.000500	. x. .
37	4786 rR 21 6 -1	277.926044	-.000332	.000200	. x. .
38	4787 rR 22 6 -1	278.632313	-.000170	.000200	. v .
39	4788 rR 23 6 -1	279.340968	.000997	.002000	. . v .
40	4789 rR 24 6 -1	280.048324	-.000580	.000200	. *. .
41	4790 rR 25 6 -1	280.759001	-.000336	.000200	. x. .
42	4791 rR 26 6 -1	281.469808	-.001509	.002000	. v .
43	4792 rR 27 6 -1	282.184795	-.000090	.000200	. v .
44	4793 rR 28 6 -1	282.899768	-.000305	.000200	. x. .
45	4794 rR 29 6 -1	283.616413	-.000491	.000200	. *. .
46	4795 rR 30 6 -1	284.335144	-.000256	.000200	. x. .
47	4796 rR 31 6 -1	285.055405	-.000166	.000200	. v .
48	4797 rR 32 6 -1	285.777357	-.000070	.000200	. v .
49	4798 rR 33 6 -1	286.500704	-.000265	.000200	. x. .
50	4799 rP 9 7 -1	256.776285	-.000556	.000200	. *. .
51	4800 rP 10 7 -1	256.127328	.002216	.003000	. . v.
52	4801 rP 11 7 -1	255.472871	-.000676	.000200	. *. .
53	4802 rP 12 7 -1	254.822342	.000260	.001000	. . v .
54	4803 rP 13 7 -1	254.170550	-.000308	.000200	. x. .
55	4804 rP 14 7 -1	253.521042	.000927	.002000	. . v .
56	4805 rP 15 7 -1	252.870307	.000205	.000500	. v .

4806 rP	16	7 -1	252.220950	-.000090	.000200		.	v
4807 rP	17	7 -1	251.573297	.000188	.000500		.	v
4808 rP	18	7 -1	250.926799	.000344	.000500		.	v
4809 rP	19	7 -1	250.281045	-.000151	.000200		.	v
4810 rP	20	7 -1	249.637425	-.000005	.000200		.	v
4811 rP	21	7 -1	248.995101	-.000136	.000200		.	v
4812 rP	22	7 -1	248.354490	-.000197	.000500		.	v
4813 rP	23	7 -1	247.713919	-.001920	.003000		.v	.
4814 rP	24	7 -1	247.078809	.000063	.000200		.	v
4815 rP	25	7 -1	246.443565	.000112	.000200		.	v
4816 rP	38	7 -1	238.359839	-.000438	.000200		.	*
4817 rP	39	7 -1	237.752690	.000330	.000200		.	x
4818 rP	40	7 -1	237.146536	.000122	.000200		.	v
4819 rP	47	7 -1	232.959453	.000302	.000200		.	x
4820 rR	7	7 -1	268.204277	.000119	.000500		.	v
4821 rR	8	7 -1	268.896249	-.000131	.000200		.	v
4822 rR	9	7 -1	269.588531	-.000092	.000200		.	v
4823 rR	10	7 -1	270.281747	.000942	.002000		.	v
4824 rR	11	7 -1	270.972603	-.000453	.000300		.	x.
4825 rR	12	7 -1	271.665666	.000065	.000300		.	v
4826 rR	13	7 -1	272.358585	-.000091	.000200		.	v
4827 rR	14	7 -1	273.054667	.002177	.003000		.	v
4828 rR	15	7 -1	273.747363	.000152	.000200		.	v
4829 rR	16	7 -1	274.441661	-.001314	.002000		.	v
4830 rR	17	7 -1	275.139792	-.000098	.000200		.	v
4831 rR	18	7 -1	275.837800	-.000245	.000300		.	v
4832 rR	19	7 -1	276.537499	-.000014	.000200		.	v
4833 rR	20	7 -1	277.238124	-.000233	.000500		.	v
4834 rR	21	7 -1	277.940230	-.000402	.001000		.	v.
4835 rR	22	7 -1	278.644502	.000116	.000200		.	v
4836 rR	23	7 -1	279.349616	-.000046	.000200		.	v
4837 rR	25	7 -1	280.764866	-.000060	.000200		.	v
4838 rR	26	7 -1	281.473719	-.001258	.002000		.	v
4839 rR	27	7 -1	282.186345	-.000332	.000300		.	x.
4840 rR	28	7 -1	282.899768	-.000279	.000200		.	x.

File #	4	2nu82h.wn	No. data :	966	.00500	cm-1	->	----+---0---+-
4841 rP	4	1 1 1	260.799292	-.000130	.000200	. v .		
4842 rP	5	1 1 1	260.141405	.000014	.000200	. v .		
4843 rP	6	1 1 1	259.486894	-.000173	.000200	. v .		
4844 rP	7	1 1 1	258.836860	.000329	.000500	. .v .		
4845 rP	8	1 1 1	258.189820	-.000057	.000200	. v .		
4846 rP	9	1 1 1	257.547103	-.000111	.000200	. v .		
4847 rP	10	1 1 1	256.909012	.000345	.000500	. .v .		
4848 rP	11	1 1 1	256.273732	-.000638	.001000	. v. .		
4849 rP	12	1 1 1	255.645334	.000864	.001000	. . v .		
4850 rP	13	1 1 1	255.018865	-.000256	.000200	. x. .		
4851 rP	14	1 1 1	254.398279	-.000207	.000200	. x .		
4852 rP	15	1 1 1	253.782794	.000063	.000200	. v .		
4853 rP	16	1 1 1	253.171861	-.000161	.000200	. v .		
4854 rP	17	1 1 1	252.566250	-.000273	.000200	. x. .		
4855 rP	18	1 1 1	251.964059	-.002333	.003000	v . .		
4856 rP	19	1 1 1	251.371708	-.000069	.000200	. v .		
4857 rP	20	1 1 1	250.782758	-.000056	.000200	. v .		
4858 rP	21	1 1 1	250.198254	-.001370	.002000	. v .		
4859 rP	22	1 1 1	249.622310	-.000001	.000200	. v .		

1	4860 rP 23 1 1	249.050337	-.000621	.001000	. v. .
2	4861 rP 24 1 1	248.485243	-.000392	.000200	. x. .
3	4862 rR 1 1 1	264.823318	.000441	.000500	. .v. .
4	4863 rR 2 1 1	265.504230	-.001660	.002000	. v . .
5	4864 rR 3 1 1	266.194074	.001557	.002000	. . v. .
6	4865 rR 4 1 1	266.882707	-.000110	.000200	. v . .
7	4866 rR 5 1 1	267.577031	.000168	.000200	. v . .
8	4867 rR 6 1 1	268.274234	-.000507	.001000	. v. .
9	4868 rR 7 1 1	268.976511	-.000042	.000200	. v . .
10	4869 rR 8 1 1	269.682095	-.000319	.000200	. x. .
11	4870 rR 9 1 1	270.392778	.000325	.001000	. .v. .
12	4871 rR 10 1 1	271.106684	-.000123	.000200	. v . .
13	4872 rR 11 1 1	271.825403	-.000222	.000200	. x . .
14	4873 rR 12 1 1	272.546871	-.002190	.003000	.v . .
15	4874 rR 13 1 1	273.277210	-.000062	.000200	. v . .
16	4875 rR 14 1 1	274.010361	-.000057	.000200	. v . .
17	4876 rR 15 1 1	274.748643	-.000012	.000200	. v . .
18	4877 rR 16 1 1	275.492422	.000289	.000200	. .x . .
19	4878 rR 17 1 1	276.240738	-.000254	.000200	. x. .
20	4879 rR 18 1 1	276.993711	-.001650	.002000	. v . .
21	4880 rR 19 1 1	277.755582	.000229	.000200	. x . .
22	4881 rR 20 1 1	278.518516	-.002548	.003000	v . .
23	4882 rR 21 1 1	279.292489	-.000081	.000200	. v . .
24	4883 rR 22 1 1	280.069802	-.000131	.000200	. v . .
25	4884 rR 23 1 1	280.852922	-.000270	.000200	. x. .
26	4885 rR 24 1 1	281.642027	-.000346	.000200	. x. .
27	4886 rP 4 -1 -1	260.781111	.000284	.000300	. .v. .
28	4887 rP 5 -1 -1	260.115073	.001691	.002000	. . v. .
29	4888 rP 6 -1 -1	259.447766	.000127	.000200	. v . .
30	4889 rP 7 -1 -1	258.783592	-.000008	.000200	. v . .
31	4890 rP 8 -1 -1	258.121336	.000066	.000200	. v . .
32	4891 rP 9 -1 -1	257.460392	-.000260	.000500	. v. .
33	4892 rP 10 -1 -1	256.801397	-.000352	.000500	. v. .
34	4893 rP 11 -1 -1	256.143178	-.001386	.002000	. v . .
35	4894 rP 12 -1 -1	255.489138	.000038	.000200	. v . .
36	4895 rP 13 -1 -1	254.835296	-.000065	.000200	. v . .
37	4896 rP 14 -1 -1	254.184943	.001594	.002000	. . v. .
38	4897 rP 15 -1 -1	253.533465	.000398	.000500	. .v. .
39	4898 rP 16 -1 -1	252.884269	-.000250	.000300	. v . .
40	4899 rP 17 -1 -1	252.237649	-.000057	.000200	. v . .
41	4900 rP 18 -1 -1	251.592821	.000189	.000200	. v . .
42	4901 rP 19 -1 -1	250.949549	.000250	.000300	. .v. .
43	4902 rP 20 -1 -1	250.307398	-.000311	.000300	. x. .
44	4903 rP 21 -1 -1	249.667352	-.000513	.000500	. x. .
45	4904 rP 22 -1 -1	249.029804	.000035	.000200	. v . .
46	4905 rP 23 -1 -1	248.393230	-.000193	.000200	. v . .
47	4906 rP 24 -1 -1	247.758887	.000057	.000200	. v . .
48	4907 rP 25 -1 -1	247.125913	-.000077	.000200	. v . .
49	4908 rP 26 -1 -1	246.495259	.000352	.000500	. .v. .
50	4909 rP 27 -1 -1	245.865337	-.000245	.000200	. x . .
51	4910 rP 28 -1 -1	245.238145	.000129	.000200	. v . .
52	4911 rP 29 -1 -1	244.612322	.000110	.000200	. v . .
53	4912 rP 30 -1 -1	243.988225	.000055	.000200	. v . .
54	4913 rP 31 -1 -1	243.365788	-.000105	.000200	. v . .
55	4914 rP 32 -1 -1	242.745136	-.000244	.000200	. x . .
56	4915 rP 33 -1 -1	242.126570	-.000065	.000200	. v . .

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3	4916 rP 34 -1 -1	241.509434	-.000223	.000200		.	x	.	
4	4917 rP 35 -1 -1	240.894232	-.000216	.000200		.	x	.	
5	4918 rP 36 -1 -1	240.280738	-.000270	.000200		.	x.	.	
6	4919 rP 37 -1 -1	239.669103	-.000236	.000200		.	x	.	
7	4920 rP 38 -1 -1	239.059214	-.000226	.000200		.	x	.	
8	4921 rP 39 -1 -1	238.451313	.000000	.000200		.	v	.	
9	4922 rP 40 -1 -1	237.844868	-.000090	.000200		.	v	.	
10	4923 rP 41 -1 -1	237.240315	-.000060	.000200		.	v	.	
11	4924 rP 42 -1 -1	236.637534	-.000031	.000200		.	v	.	
12	4925 rP 43 -1 -1	236.036463	-.000064	.000200		.	v	.	
13	4926 rP 44 -1 -1	235.437229	-.000033	.000200		.	v	.	
14	4927 rP 45 -1 -1	234.839608	-.000161	.000200		.	v	.	
15	4928 rP 46 -1 -1	234.244014	-.000034	.000200		.	v	.	
16	4929 rP 47 -1 -1	233.650082	-.000017	.000200		.	v	.	
17	4930 rP 48 -1 -1	233.057816	-.000105	.000200		.	v	.	
18	4931 rP 49 -1 -1	232.467481	-.000033	.000200		.	v	.	
19	4932 rP 50 -1 -1	231.878954	.000078	.000200		.	v	.	
20	4933 rP 51 -1 -1	231.291902	-.000105	.000200		.	v	.	
21	4934 rP 52 -1 -1	230.707031	.000126	.000200		.	v	.	
22	4935 rP 53 -1 -1	230.123668	.000097	.000200		.	v	.	
23	4936 rP 54 -1 -1	229.542129	.000128	.000200		.	v	.	
24	4937 rP 55 -1 -1	228.962633	.000438	.000300		.	x	.	
25	4938 rP 56 -1 -1	228.384272	.000121	.000200		.	v	.	
26	4939 rR 1 -1 -1	264.823318	.002309	.003000		.	.	v	
27	4940 rR 2 -1 -1	265.499389	-.000867	.001000		.	v	.	
28	4941 rR 3 -1 -1	266.180730	-.000442	.000200		.	*	.	
29	4942 rR 4 -1 -1	266.863559	-.000194	.000200		.	v	.	
30	4943 rR 5 -1 -1	267.547849	-.000147	.000200		.	v	.	
31	4944 rR 6 -1 -1	268.233326	-.000569	.000500		.	x.	.	
32	4945 rR 7 -1 -1	268.921428	-.000018	.000200		.	v	.	
33	4946 rR 8 -1 -1	269.610486	-.000158	.000200		.	v	.	
34	4947 rR 9 -1 -1	270.301348	-.000137	.000200		.	v	.	
35	4948 rR 10 -1 -1	270.994039	.000075	.000200		.	v	.	
36	4949 rR 11 -1 -1	271.687945	-.000130	.000200		.	v	.	
37	4950 rR 12 -1 -1	272.383730	-.000084	.000200		.	v	.	
38	4951 rR 13 -1 -1	273.081199	.000023	.000200		.	v	.	
39	4952 rR 14 -1 -1	273.780083	-.000073	.000200		.	v	.	
40	4953 rR 15 -1 -1	274.480608	-.000140	.000200		.	v	.	
41	4954 rR 16 -1 -1	275.182651	-.000296	.000500		.	v.	.	
42	4955 rR 17 -1 -1	275.887066	.000319	.000200		.	x	.	
43	4956 rR 18 -1 -1	276.592579	.000435	.000500		.	v	.	
44	4957 rR 19 -1 -1	277.299060	-.000071	.000200		.	v	.	
45	4958 rR 20 -1 -1	278.007589	-.000114	.000200		.	v	.	
46	4959 rR 21 -1 -1	278.718072	.000219	.000200		.	x	.	
47	4960 rR 22 -1 -1	279.429509	-.000068	.000200		.	v	.	
48	4961 rR 23 -1 -1	280.143434	.000566	.001000		.	v	.	
49	4962 rR 24 -1 -1	280.857367	-.000353	.000500		.	v.	.	
50	4963 rR 25 -1 -1	281.574105	-.000021	.000200		.	v	.	
51	4964 rR 26 -1 -1	282.292023	-.000059	.000200		.	v	.	
52	4965 rR 27 -1 -1	283.011425	-.000154	.000200		.	v	.	
53	4966 rR 28 -1 -1	283.732452	-.000161	.000200		.	v	.	
54	4967 rR 29 -1 -1	284.454881	-.000294	.000200		.	x.	.	
55	4968 rR 30 -1 -1	285.179098	-.000163	.000200		.	v	.	
56	4969 rR 31 -1 -1	285.904762	-.000100	.000200		.	v	.	
57	4970 rR 32 -1 -1	286.631804	-.000168	.000200		.	v	.	
58	4971 rR 33 -1 -1	287.360332	-.000252	.000200		.	x.	.	
59									
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1	4972 rR 34 -1 -1	288.090494	-.000197	.000200	.	v	.	
2	4973 rR 35 -1 -1	288.822162	-.000124	.000200	.	v	.	
3	4974 rR 36 -1 -1	289.555168	-.000193	.000200	.	v	.	
4	4975 rR 37 -1 -1	290.289720	-.000190	.000200	.	v	.	
5	4976 rR 38 -1 -1	291.025769	-.000155	.000200	.	v	.	
6	4977 rR 39 -1 -1	291.763239	-.000157	.000200	.	v	.	
7	4978 rR 40 -1 -1	292.502208	-.000110	.000200	.	v	.	
8	4979 rR 41 -1 -1	293.242509	-.000174	.000200	.	v	.	
9	4980 rR 42 -1 -1	293.984367	-.000115	.000200	.	v	.	
10	4981 rR 43 -1 -1	294.727699	-.000009	.000200	.	v	.	
11	4982 rR 44 -1 -1	295.472232	-.000120	.000200	.	v	.	
12	4983 rR 45 -1 -1	296.218230	-.000176	.000200	.	v	.	
13	4984 rR 46 -1 -1	296.965802	-.000060	.000200	.	v	.	
14	4985 rR 47 -1 -1	297.714708	-.000002	.000200	.	v	.	
15	4986 rR 48 -1 -1	298.464952	.000009	.000200	.	v	.	
16	4987 rR 49 -1 -1	299.216635	.000084	.000200	.	v	.	
17	4988 rR 50 -1 -1	299.969606	.000080	.000200	.	v	.	
18	4989 rR 51 -1 -1	300.723933	.000075	.000200	.	v	.	
19	4990 rR 52 -1 -1	301.479790	.000251	.000200	.	x	.	
20	4991 rR 53 -1 -1	302.236876	.000318	.000200	.	x	.	
21	4992 rP 4 2 1	260.857097	-.001088	.002000	.	v	.	
22	4993 rP 5 2 1	260.195694	.000849	.001000	.	v	.	
23	4994 rP 6 2 1	259.535174	.001423	.002000	.	v	.	
24	4995 rP 7 2 1	258.874718	-.000063	.000200	.	v	.	
25	4996 rP 8 2 1	258.217844	.000031	.000200	.	v	.	
26	4997 rP 9 2 1	257.562759	.000015	.000200	.	v	.	
27	4998 rP 10 2 1	256.909012	-.000487	.000500	.	v	.	
28	4999 rP 11 2 1	256.257850	-.000191	.000300	.	v	.	
29	5000 rP 12 2 1	255.608465	.000083	.000200	.	v	.	
30	5001 rP 13 2 1	254.960543	-.000034	.000200	.	v	.	
31	5002 rP 14 2 1	254.314650	-.000071	.000200	.	v	.	
32	5003 rP 15 2 1	253.670835	-.000110	.000200	.	v	.	
33	5004 rP 16 2 1	253.029143	-.000264	.000500	.	v	.	
34	5005 rP 17 2 1	252.390278	-.000013	.000200	.	v	.	
35	5006 rP 18 2 1	251.753636	-.000166	.000200	.	v	.	
36	5007 rP 19 2 1	251.119994	-.000171	.000200	.	v	.	
37	5008 rP 20 2 1	250.486793	-.002826	.003000	v.	.	.	
38	5009 rP 21 2 1	249.862536	.000117	.000200	.	v	.	
39	5010 rP 22 2 1	249.238885	.000062	.000200	.	v	.	
40	5011 rP 23 2 1	248.618846	-.000240	.000200	.	x	.	
41	5012 rP 24 2 1	248.003452	.000004	.000200	.	v	.	
42	5013 rR 2 2 1	265.571684	.000156	.000200	.	v	.	
43	5014 rR 3 2 1	266.255232	.000050	.000200	.	v	.	
44	5015 rR 4 2 1	266.941250	-.000064	.000200	.	v	.	
45	5016 rR 5 2 1	267.629753	-.000081	.000200	.	v	.	
46	5017 rR 6 2 1	268.320602	-.000031	.000200	.	v	.	
47	5018 rR 7 2 1	269.013705	.000108	.000200	.	v	.	
48	5019 rR 8 2 1	269.708671	.000061	.000200	.	v	.	
49	5020 rR 9 2 1	270.405582	.000005	.000200	.	v	.	
50	5021 rR 10 2 1	271.104455	.000021	.000200	.	v	.	
51	5022 rR 11 2 1	271.805103	-.000055	.000200	.	v	.	
52	5023 rR 12 2 1	272.507801	.000026	.000200	.	v	.	
53	5024 rR 13 2 1	273.212452	.000094	.000200	.	v	.	
54	5025 rR 14 2 1	273.919019	-.000007	.000200	.	v	.	
55	5026 rR 15 2 1	274.628125	.000191	.000200	.	v	.	
56	5027 rR 16 2 1	275.338974	-.000298	.000500	.	v	.	

5028	rR	17	2	1	276.053315	.000060	.000200	.	v	.
5029	rR	18	2	1	276.770132	.000014	.000200	.	v	.
5030	rR	19	2	1	277.488474	-.001639	.002000	.	v	.
5031	rR	20	2	1	278.213612	.000116	.000200	.	v	.
5032	rR	21	2	1	278.940280	-.000242	.000200	.	x	.
5033	rR	22	2	1	279.671071	-.000358	.000200	.	x.	.
5034	rR	23	2	1	280.406342	-.000085	.000200	.	v	.
5035	rR	24	2	1	281.145295	-.000396	.000200	.	x.	.
5036	rR	25	2	1	281.889353	.000005	.000200	.	v	.
5037	rR	26	2	1	282.637237	-.000243	.000200	.	x	.
5038	rR	27	2	1	283.390134	.000011	.000200	.	v	.
5039	rR	28	2	1	284.147046	-.000232	.000200	.	x	.
5040	rR	29	2	1	284.908561	-.000351	.000200	.	x.	.
5041	rR	30	2	1	285.674937	-.000035	.000200	.	v	.
5042	rR	31	2	1	286.446077	.000688	.000200	.	*	.
5043	rP	5	3	1	260.263212	.000635	.001000	.	v	.
5044	rP	6	3	1	259.602017	-.000087	.000200	.	v	.
5045	rP	7	3	1	258.944295	.000247	.000300	.	v	.
5046	rP	8	3	1	258.287287	-.001063	.002000	.	v.	.
5047	rP	9	3	1	257.634425	-.000519	.001000	.	v.	.
5048	rP	10	3	1	256.983228	-.000542	.001000	.	v.	.
5049	rP	11	3	1	256.336487	.001715	.003000	.	v	.
5050	rP	12	3	1	255.688635	.000733	.001000	.	v	.
5051	rP	13	3	1	255.042870	-.000262	.000200	.	x.	.
5052	rP	14	3	1	254.398279	-.002175	.002000	.	x	.
5053	rP	15	3	1	253.758943	-.000940	.001000	.	v	.
5054	rP	16	3	1	253.121267	-.000195	.000200	.	v	.
5055	rP	17	3	1	252.485287	.000027	.001000	.	v	.
5056	rP	18	3	1	251.850260	-.001116	.002000	.	v	.
5057	rP	19	3	1	251.218413	-.001520	.002000	.	v	.
5058	rP	20	3	1	250.588969	-.002107	.003000	.	v	.
5059	rP	22	3	1	249.341590	-.000213	.000200	.	x	.
5060	rP	23	3	1	248.722047	.000279	.000500	.	v	.
5061	rP	24	3	1	248.105474	.000402	.000500	.	v	.
5062	rP	25	3	1	247.491945	.000020	.000200	.	v	.
5063	rP	26	3	1	246.882549	.000016	.000200	.	v	.
5064	rP	27	3	1	246.277035	-.000062	.000200	.	v	.
5065	rP	28	3	1	245.675683	-.000117	.000200	.	v	.
5066	rP	29	3	1	245.078851	.000045	.000200	.	v	.
5067	rP	30	3	1	244.485856	-.000394	.000300	.	x	.
5068	rP	31	3	1	243.898155	-.000085	.000200	.	v	.
5069	rP	32	3	1	243.312896	-.001954	.002000	.	v	.
5070	rP	33	3	1	242.735997	-.000126	.000200	.	v	.
5071	rP	34	3	1	242.161606	-.000469	.000200	.	*	.
5072	rP	35	3	1	241.592289	-.000405	.000200	.	*	.
5073	rR	3	3	1	266.322118	.000071	.000200	.	v	.
5074	rR	4	3	1	267.008350	.000013	.000200	.	v	.
5075	rR	5	3	1	267.697151	-.000018	.000200	.	v	.
5076	rR	6	3	1	268.388658	.000158	.000200	.	v	.
5077	rR	7	3	1	269.082218	-.000060	.000200	.	v	.
5078	rR	8	3	1	269.778425	-.000023	.000200	.	v	.
5079	rR	9	3	1	270.476790	-.000162	.000200	.	v	.
5080	rR	10	3	1	271.177752	.000019	.000200	.	v	.
5081	rR	11	3	1	271.880637	-.000105	.000200	.	v	.
5082	rR	12	3	1	272.585929	-.000011	.000200	.	v	.
5083	rR	13	3	1	273.293265	-.000040	.000200	.	v	.

1	5084 rR 14 3 1	274.002791	-.000049	.000200	. v .
2	5085 rR 15 3 1	274.714717	.000147	.000200	. v .
3	5086 rR 16 3 1	275.428725	.000174	.000200	. v .
4	5087 rR 18 3 1	276.863807	.000178	.000200	. v .
5	5088 rR 19 3 1	277.585089	.000113	.000200	. v .
6	5089 rR 20 3 1	278.309028	-.000041	.000200	. v .
7	5090 rR 21 3 1	279.034633	-.001452	.002000	. v .
8	5091 rR 22 3 1	279.766168	-.000049	.000200	. v .
9	5092 rR 23 3 1	280.498629	-.001034	.002000	. v .
10	5093 rR 24 3 1	281.236488	-.000135	.000200	. v .
11	5094 rR 25 3 1	281.977166	-.000124	.000200	. v .
12	5095 rR 26 3 1	282.721044	-.000797	.001000	. v .
13	5096 rR 27 3 1	283.470184	-.000250	.000200	. x .
14	5097 rR 28 3 1	284.222971	-.000231	.000200	. x .
15	5098 rR 29 3 1	284.979913	-.000333	.000200	. x .
16	5099 rR 30 3 1	285.741361	-.000275	.000200	. x .
17	5100 rR 31 3 1	286.507146	-.000264	.000200	. x .
18	5101 rR 32 3 1	287.277287	-.000292	.000200	. x .
19	5102 rR 33 3 1	288.051842	-.000284	.000200	. x .
20	5103 rR 34 3 1	288.830413	-.000603	.000300	* .
21	5104 rR 35 3 1	289.613835	-.000363	.000200	. x .
22	5105 rR 36 3 1	290.401703	.000093	.000500	. v .
23	5106 rR 37 3 1	291.192832	-.000348	.000200	. x .
24	5107 rR 38 3 1	291.988631	-.000206	.000200	. x .
25	5108 rP 6 4 1	259.668453	.000068	.000200	. v .
26	5109 rP 7 4 1	259.010992	.000267	.000200	. x .
27	5110 rP 8 4 1	258.355803	.000247	.000200	. x .
28	5111 rP 9 4 1	257.702968	.000125	.000200	. v .
29	5112 rP 10 4 1	257.053423	.000874	.001000	. . v .
30	5113 rP 11 4 1	256.404742	.000104	.000200	. v .
31	5114 rP 12 4 1	255.759116	.000039	.000200	. v .
32	5115 rP 13 4 1	255.117282	.001445	.002000	. . v .
33	5116 rP 14 4 1	254.474728	-.000170	.000500	. v .
34	5117 rP 15 4 1	253.836386	.000136	.000200	. v .
35	5118 rP 16 4 1	253.200014	.000117	.000200	. v .
36	5119 rP 17 4 1	252.566250	.000392	.000300	. . x .
37	5120 rP 18 4 1	251.936295	.002122	.002000	. . x .
38	5121 rP 19 4 1	251.305077	.000178	.000200	. v .
39	5122 rP 20 4 1	250.679847	.001736	.002000	. . v .
40	5123 rP 21 4 1	250.054363	.000456	.000500	. . v .
41	5124 rP 22 4 1	249.432614	.000214	.000200	. x .
42	5125 rP 23 4 1	248.814016	.000292	.000200	. x .
43	5126 rP 24 4 1	248.197980	-.000042	.000200	. v .
44	5127 rP 25 4 1	247.585714	.000261	.000200	. x .
45	5128 rP 26 4 1	246.976384	.000201	.000200	. x .
46	5129 rP 27 4 1	246.370378	-.000003	.000200	. v .
47	5130 rP 28 4 1	245.768210	-.000008	.000200	. v .
48	5131 rP 29 4 1	245.169979	.000118	.000200	. v .
49	5132 rP 30 4 1	244.575707	.000240	.000300	. v .
50	5133 rP 31 4 1	243.985034	-.000148	.000200	. v .
51	5134 rP 32 4 1	243.399331	.000198	.000500	. v .
52	5135 rP 33 4 1	242.817151	-.000278	.000200	. x .
53	5136 rP 34 4 1	242.239997	-.000159	.000200	. v .
54	5137 rP 35 4 1	241.667150	-.000229	.000200	. x .
55	5138 rP 36 4 1	241.098944	-.000193	.000200	. v .
56	5139 rP 37 4 1	240.535341	-.000110	.000300	. v .

1	5140 rP 38 4 1	239.976217	-.000104	.000500	.	v	.	
2	5141 rP 39 4 1	239.421195	-.000536	.000200	.	*	.	
3	5142 rP 40 4 1	238.871288	-.000364	.000200	.	x.	.	
4	5143 rR 4 4 1	267.073689	.000162	.000200	.	v	.	
5	5144 rR 5 4 1	267.762556	.000131	.000200	.	v	.	
6	5145 rR 6 4 1	268.453998	.000102	.000200	.	v	.	
7	5146 rR 7 4 1	269.148037	.000123	.000200	.	v	.	
8	5147 rR 8 4 1	269.844589	.000139	.000200	.	v	.	
9	5148 rR 9 4 1	270.543635	.000163	.000200	.	v	.	
10	5149 rR 10 4 1	271.245114	.000167	.000200	.	v	.	
11	5150 rR 11 4 1	271.949023	.000180	.000200	.	v	.	
12	5151 rR 12 4 1	272.655365	.000235	.000200	.	x	.	
13	5152 rR 13 4 1	273.363657	-.000128	.000300	.	v	.	
14	5153 rR 14 4 1	274.074905	.000112	.000200	.	v	.	
15	5154 rR 15 4 1	274.788440	.000290	.000200	.	x	.	
16	5155 rR 16 4 1	275.504003	.000137	.000200	.	v	.	
17	5156 rR 17 4 1	276.222088	.000120	.000200	.	v	.	
18	5157 rR 18 4 1	276.942141	-.000360	.001000	.	v.	.	
19	5158 rR 19 4 1	277.665834	.000303	.000200	.	x.	.	
20	5159 rR 20 4 1	278.391336	.000195	.000200	.	v	.	
21	5160 rR 21 4 1	279.119585	.000149	.000200	.	v	.	
22	5161 rR 22 4 1	279.850601	.000065	.000200	.	v	.	
23	5162 rR 23 4 1	280.584718	.000143	.000200	.	v	.	
24	5163 rR 24 4 1	281.321705	.000004	.000200	.	v	.	
25	5164 rR 25 4 1	282.062200	.000133	.000200	.	v	.	
26	5165 rR 26 4 1	282.805865	.000035	.000200	.	v	.	
27	5166 rR 27 4 1	283.553153	.000008	.000200	.	v	.	
28	5167 rR 28 4 1	284.304190	.000031	.000200	.	v	.	
29	5168 rR 29 4 1	285.058912	-.000097	.000200	.	v	.	
30	5169 rR 30 4 1	285.817789	-.000027	.000200	.	v	.	
31	5170 rR 31 4 1	286.580531	-.000149	.000200	.	v	.	
32	5171 rR 32 4 1	287.347378	-.000304	.000200	.	x.	.	
33	5172 rR 33 4 1	288.118689	-.000191	.000200	.	v	.	
34	5173 rR 34 4 1	288.893997	-.000312	.000200	.	x.	.	
35	5174 rR 35 4 1	289.673616	-.000366	.000200	.	x.	.	
36	5175 rR 36 4 1	290.457396	-.000499	.000200	.	*	.	
37	5176 rR 37 4 1	291.245611	-.000414	.000200	.	*	.	
38	5177 rR 38 4 1	292.037937	-.000399	.000200	.	x.	.	
39	5178 rR 39 4 1	292.834279	-.000505	.000200	.	*	.	
40	5179 rR 40 4 1	293.634873	-.000439	.000200	.	*	.	
41	5180 rR 41 4 1	294.439419	-.000443	.000200	.	*	.	
42	5181 rR 42 4 1	295.247890	-.000482	.000200	.	*	.	
43	5182 rR 43 4 1	296.060281	-.000494	.000200	.	*	.	
44	5183 rR 44 4 1	296.876624	-.000386	.000200	.	x.	.	
45	5184 rR 45 4 1	297.696601	-.000409	.000200	.	*	.	
46	5185 rR 46 4 1	298.520293	-.000423	.000200	.	*	.	
47	5186 rR 47 4 1	299.347639	-.000427	.000200	.	*	.	
48	5187 rR 48 4 1	300.178672	-.000331	.000200	.	x.	.	
49	5188 rR 49 4 1	301.013130	-.000342	.000200	.	x.	.	
50	5189 rR 50 4 1	301.851348	-.000072	.000200	.	v	.	
51	5190 rR 51 4 1	302.692756	-.000042	.000200	.	v	.	
52	5191 rR 52 4 1	303.537405	-.000152	.000200	.	v	.	
53	5192 rR 53 4 1	304.385525	-.000126	.000200	.	v	.	
54	5193 rP 7 5 1	259.077845	.001825	.002000	.	.	v.	
55	5194 rP 8 5 1	258.419938	-.001260	.002000	.	v	.	
56	5195 rP 9 5 1	257.769027	.000111	.000200	.	v	.	

1	5196 rP 10 5 1	257.119347	.000195	.000200	.	v	.	
2	5197 rP 11 5 1	256.472145	.000260	.000200	.	x	.	
3	5198 rP 12 5 1	255.827078	-.000015	.000200	.	v	.	
4	5199 rP 13 5 1	255.184803	.000046	.000200	.	v	.	
5	5200 rP 14 5 1	254.546768	.001906	.002000	.	.	v.	
6	5201 rP 17 5 1	252.638981	-.000777	.001000	.	v.	.	
7	5202 rP 18 5 1	252.010791	.001188	.001000	.	.	x.	
8	5203 rP 19 5 1	251.382184	.000259	.000200	.	.	x.	
9	5204 rP 20 5 1	250.756889	.000124	.000200	.	v	.	
10	5205 rP 21 5 1	250.134335	.000155	.000200	.	v	.	
11	5206 rP 22 5 1	249.514300	.000061	.000200	.	v	.	
12	5207 rP 23 5 1	248.896995	-.000033	.000200	.	v	.	
13	5208 rP 24 5 1	248.282912	.000267	.000200	.	.	x.	
14	5209 rP 25 5 1	247.671340	.000138	.000200	.	v	.	
15	5210 rP 26 5 1	247.063203	.000383	.000200	.	.	x.	
16	5211 rP 27 5 1	246.457847	.000216	.000200	.	x	.	
17	5212 rQ 6 5 1	263.787174	-.000479	.001000	.	v.	.	
18	5213 rQ 7 5 1	263.808553	.002554	.003000	.	.	v	
19	5214 rQ 8 5 1	263.826541	-.000373	.001000	.	v.	.	
20	5215 rQ 9 5 1	263.849913	-.000467	.001000	.	v.	.	
21	5216 rQ 10 5 1	263.876133	-.000242	.000500	.	v	.	
22	5217 rQ 11 5 1	263.904917	.000038	.000200	.	v	.	
23	5218 rQ 12 5 1	263.936880	.001007	.001000	.	.	x.	
24	5219 rQ 13 5 1	263.971596	.002257	.003000	.	.	v	
25	5220 rQ 14 5 1	264.007654	.002391	.003000	.	.	v	
26	5221 rQ 15 5 1	264.043699	.000062	.000200	.	v	.	
27	5222 rQ 16 5 1	264.084754	.000297	.000200	.	.	x.	
28	5223 rQ 17 5 1	264.127761	.000028	.000200	.	v	.	
29	5224 rQ 18 5 1	264.173899	.000418	.000500	.	.	v.	
30	5225 rQ 19 5 1	264.222011	.000279	.000200	.	.	x.	
31	5226 rQ 20 5 1	264.272494	-.000035	.000300	.	v	.	
32	5227 rQ 21 5 1	264.326059	.000129	.000200	.	v	.	
33	5228 rQ 22 5 1	264.383605	.001599	.002000	.	.	v.	
34	5229 rQ 23 5 1	264.440847	.000002	.000200	.	v	.	
35	5230 rQ 24 5 1	264.502199	-.000346	.001000	.	v	.	
36	5231 rQ 25 5 1	264.567215	-.000002	.000200	.	v	.	
37	5232 rQ 26 5 1	264.635029	.000047	.000200	.	v	.	
38	5233 rQ 27 5 1	264.705831	-.000138	.000500	.	v	.	
39	5234 rQ 28 5 1	264.780218	-.000091	.000300	.	v	.	
40	5235 rQ 29 5 1	264.858481	.000344	.000200	.	x.	.	
41	5236 rQ 30 5 1	264.939912	.000327	.000200	.	.	x.	
42	5237 rQ 31 5 1	265.024679	-.000100	.000200	.	v	.	
43	5238 rQ 32 5 1	265.113846	.000009	.000200	.	v	.	
44	5239 rQ 33 5 1	265.206598	-.000267	.000300	.	v.	.	
45	5240 rQ 34 5 1	265.303794	-.000161	.000200	.	v	.	
46	5241 rQ 35 5 1	265.404982	-.000203	.000200	.	x	.	
47	5242 rQ 36 5 1	265.510147	-.000468	.000300	.	x.	.	
48	5243 rQ 37 5 1	265.620305	.000019	.000300	.	v	.	
49	5244 rQ 38 5 1	265.734130	-.000096	.000300	.	v	.	
50	5245 rQ 39 5 1	265.852173	-.000272	.000200	.	x.	.	
51	5246 rQ 40 5 1	265.974895	-.000044	.000500	.	v	.	
52	5247 rQ 41 5 1	266.100967	-.000725	.000500	.	x.	.	
53	5248 rQ 42 5 1	266.232262	-.000414	.000200	.	*	.	
54	5249 rQ 43 5 1	266.367485	-.000371	.000200	.	x.	.	
55	5250 rQ 44 5 1	266.506789	-.000401	.000500	.	v.	.	
56	5251 rR 5 5 1	267.826344	.000200	.000200	.	v	.	

5252	rR	6	5	1	268.517772	.000140	.000200	.	v
5253	rR	7	5	1	269.211908	.000193	.000200	.	v
5254	rR	8	5	1	269.908556	.000178	.000200	.	v
5255	rR	9	5	1	270.607869	.000267	.000200	.	x
5256	rR	10	5	1	271.309571	.000201	.000200	.	x
5257	rR	11	5	1	272.013854	.000194	.000200	.	v
5258	rR	12	5	1	272.721333	.000877	.001000	.	v
5259	rR	13	5	1	273.429978	.000237	.000200	.	x
5260	rR	14	5	1	274.141781	.000279	.000200	.	x
5261	rR	15	5	1	274.855581	.000149	.000200	.	v
5262	rR	16	5	1	275.572740	.000308	.000200	.	x
5263	rR	17	5	1	276.291805	.000194	.000200	.	v
5264	rR	18	5	1	277.013498	.000210	.000200	.	x
5265	rR	19	5	1	277.737681	.000186	.000200	.	v
5266	rR	20	5	1	278.465665	.001386	.002000	.	v
5267	rR	21	5	1	279.193839	.000142	.000200	.	v
5268	rR	22	5	1	279.925916	.000093	.000200	.	v
5269	rR	23	5	1	280.661019	.000274	.000200	.	x
5270	rR	24	5	1	281.397980	-.000580	.001000	.	v.
5271	rR	25	5	1	282.137389	-.001990	.003000	.	v
5272	rR	26	5	1	282.883668	.000348	.000200	.	x
5273	rR	27	5	1	283.630612	.000106	.000200	.	v
5274	rR	28	5	1	284.381213	.000151	.000200	.	v
5275	rR	29	5	1	285.134923	-.000190	.000500	.	v
5276	rR	30	5	1	285.892796	.000018	.000200	.	v
5277	rR	31	5	1	286.654120	-.000051	.000200	.	v
5278	rR	32	5	1	287.419387	-.000004	.000200	.	v
5279	rR	33	5	1	288.188511	-.000016	.000200	.	v
5280	rR	34	5	1	288.961399	-.000253	.000200	.	x.
5281	rR	35	5	1	289.738570	-.000251	.000200	.	x.
5282	rR	36	5	1	290.519821	-.000253	.000200	.	x.
5283	rR	37	5	1	291.305459	.000025	.000500	.	v
5284	rR	38	5	1	292.094536	-.000371	.000200	.	x.
5285	rR	39	5	1	292.888074	-.000413	.000200	.	*
5286	rR	40	5	1	293.685470	-.000684	.000500	.	x.
5287	rR	41	5	1	294.487695	-.000183	.000200	.	v
5288	rR	42	5	1	295.293279	-.000341	.000200	.	x.
5289	rP	10	6	1	257.184840	-.000057	.000200	.	v
5290	rP	11	6	1	256.537495	-.000601	.001000	.	v.
5291	rP	12	6	1	255.894107	.000259	.000200	.	x
5292	rP	13	6	1	255.252351	.000210	.000200	.	x
5293	rP	14	6	1	254.611560	-.001407	.002000	.	v
5294	rP	16	6	1	253.342525	.000334	.000200	.	x
5295	rP	17	6	1	252.711223	.000633	.000500	.	x
5296	rP	18	6	1	252.081453	-.000070	.000300	.	v
5297	rP	19	6	1	251.455085	.000077	.000200	.	v
5298	rP	20	6	1	250.831381	.000312	.000200	.	x
5299	rP	21	6	1	250.210137	.000396	.000300	.	x
5300	rP	22	6	1	249.591464	.000394	.000300	.	x
5301	rP	23	6	1	248.975408	.000295	.000200	.	x
5302	rP	24	6	1	248.362138	.000201	.000200	.	x
5303	rP	25	6	1	247.751782	.000160	.000200	.	v
5304	rP	26	6	1	247.146197	.001941	.002000	.	v
5305	rP	27	6	1	246.540739	.000801	.001000	.	v
5306	rP	28	6	1	245.939047	.000273	.000200	.	x
5307	rP	29	6	1	245.340253	-.000624	.001000	.	v.

3	5308 rP 30 6 1	244.746666	.000302	.000200	.	x	.	
4	5309 rP 31 6 1	244.155524	.000170	.000200	.	v	.	
5	5310 rP 32 6 1	243.566895	-.001072	.002000	.	v	.	
6	5311 rP 33 6 1	242.984237	-.000081	.000200	.	v	.	
7	5312 rP 34 6 1	242.404785	.000266	.000300	.	v	.	
8	5313 rP 35 6 1	241.828741	.000069	.000200	.	v	.	
9	5314 rP 36 6 1	241.257036	.000162	.000200	.	v	.	
10	5315 rP 37 6 1	240.689260	.000055	.000200	.	v	.	
11	5316 rP 38 6 1	240.125713	-.000025	.000200	.	v	.	
12	5317 rR 6 6 1	268.580623	.000200	.000200	.	v	.	
13	5318 rR 7 6 1	269.274669	.000187	.000200	.	v	.	
14	5319 rR 8 6 1	269.971362	.000206	.000200	.	x	.	
15	5320 rR 9 6 1	270.670534	.000099	.000200	.	v	.	
16	5321 rR 10 6 1	271.372533	.000224	.000200	.	x	.	
17	5322 rR 11 6 1	272.076949	.000183	.000200	.	v	.	
18	5323 rR 12 6 1	272.783965	.000170	.000200	.	v	.	
19	5324 rR 13 6 1	273.493598	.000210	.000200	.	x	.	
20	5325 rR 14 6 1	274.205717	.000181	.000200	.	v	.	
21	5326 rR 15 6 1	274.920423	.000189	.000200	.	v	.	
22	5327 rR 16 6 1	275.637740	.000258	.000200	.	x	.	
23	5328 rR 17 6 1	276.357477	.000194	.000200	.	v	.	
24	5329 rR 18 6 1	277.079809	.000160	.000200	.	v	.	
25	5330 rR 19 6 1	277.804900	.000302	.000200	.	x	.	
26	5331 rR 20 6 1	278.532141	-.000016	.000200	.	v	.	
27	5332 rR 21 6 1	279.262633	.000272	.000200	.	x	.	
28	5333 rR 22 6 1	279.995088	-.000171	.000500	.	v	.	
29	5334 rR 23 6 1	280.731052	.000146	.000200	.	v	.	
30	5335 rR 24 6 1	281.469808	.000439	.000500	.	v	.	
31	5336 rR 25 6 1	282.210924	.000197	.000200	.	v	.	
32	5337 rR 26 6 1	282.955131	.000068	.000200	.	v	.	
33	5338 rR 27 6 1	283.702428	-.000044	.000200	.	v	.	
34	5339 rR 28 6 1	284.453464	.000413	.000500	.	v	.	
35	5340 rR 29 6 1	285.206937	.000034	.000200	.	v	.	
36	5341 rR 30 6 1	285.964033	-.000097	.000200	.	v	.	
37	5342 rR 31 6 1	286.723780	-.001055	.002000	.	v	.	
38	5343 rR 32 6 1	287.489142	.000027	.000200	.	v	.	
39	5344 rR 33 6 1	288.257061	-.000002	.000200	.	v	.	
40	5345 rR 34 6 1	289.029770	.001009	.002000	.	v	.	
41	5346 rR 35 6 1	289.804451	.000169	.000300	.	v	.	
42	5347 rR 36 6 1	290.583581	-.000108	.000200	.	v	.	
43	5348 rR 37 6 1	291.366791	-.000239	.000200	.	x	.	
44	5349 rR 38 6 1	292.154053	-.000288	.000200	.	x	.	
45	5350 rR 39 6 1	292.945585	-.000061	.000200	.	v	.	
46	5351 rR 40 6 1	293.740592	-.000362	.000500	.	v	.	
47	5352 rR 41 6 1	294.539970	-.000294	.000200	.	x	.	
48	5353 rR 42 6 1	295.342787	-.000778	.000500	.	x	.	
49	5354 rR 43 6 1	296.150639	-.000197	.000200	.	v	.	
50	5355 rR 44 6 1	296.961607	-.000440	.000200	.	*	.	
51	5356 rP 9 7 1	257.900935	-.000206	.000500	.	v	.	
52	5357 rP 10 7 1	257.251705	-.000412	.001000	.	v	.	
53	5358 rP 11 7 1	256.606423	.000721	.001000	.	v	.	
54	5359 rP 12 7 1	255.961374	-.000515	.001000	.	v	.	
55	5360 rP 13 7 1	255.320450	-.000223	.000500	.	v	.	
56	5361 rP 14 7 1	254.682479	.000429	.000500	.	v	.	
57	5362 rP 15 7 1	254.046299	.000283	.000200	.	x	.	
58	5363 rP 16 7 1	253.412802	.000231	.000200	.	x	.	
59								
60								

1									
2									
3	5364 rP 17 7 1	252.781774	.000055	.000200	.	v	.	.	
4	5365 rP 18 7 1	252.153101	-.000364	.000500	.	v.	.	.	
5	5366 rP 19 7 1	251.527653	-.000171	.000200	.	v	.	.	
6	5367 rP 20 7 1	250.905055	.000244	.000200	.	x	.	.	
7	5368 rP 21 7 1	250.285022	.000569	.000500	.	.x	.	.	
8	5369 rP 22 7 1	249.667352	.000571	.000500	.	.x	.	.	
9	5370 rP 23 7 1	249.050337	-.001498	.002000	.	v	.	.	
10	5371 rP 24 7 1	248.440294	.000630	.001000	.	.v	.	.	
11	5372 rP 25 7 1	247.830556	.000229	.000200	.	x	.	.	
12	5373 rP 26 7 1	247.224065	.000177	.000200	.	v	.	.	
13	5374 rP 27 7 1	246.620534	.000112	.000200	.	v	.	.	
14	5375 rP 28 7 1	246.019956	-.000055	.000200	.	v	.	.	
15	5376 rP 29 7 1	245.422691	-.000054	.000200	.	v	.	.	
16	5377 rP 30 7 1	244.828930	.000212	.000200	.	x	.	.	
17	5378 rP 31 7 1	244.237561	-.000468	.000500	.	v.	.	.	
18	5379 rP 32 7 1	243.650885	.000105	.000200	.	v	.	.	
19	5380 rP 33 7 1	243.067041	-.000032	.000200	.	v	.	.	
20	5381 rP 34 7 1	242.487361	.000352	.000500	.	.v	.	.	
21	5382 rP 35 7 1	241.910712	.000024	.000200	.	v	.	.	
22	5383 rP 36 7 1	241.337699	-.000504	.000500	.	x.	.	.	
23	5384 rP 37 7 1	240.769714	.000071	.000200	.	v	.	.	
24	5385 rP 38 7 1	240.205104	.000018	.000200	.	v	.	.	
25	5386 rR 7 7 1	269.338476	.000103	.000200	.	v	.	.	
26	5387 rR 8 7 1	270.035090	.000109	.000200	.	v	.	.	
27	5388 rR 9 7 1	270.734310	.000090	.000200	.	v	.	.	
28	5389 rR 10 7 1	271.436183	.000097	.000200	.	v	.	.	
29	5390 rR 11 7 1	272.140686	.000114	.000200	.	v	.	.	
30	5391 rR 12 7 1	272.847801	.000129	.000200	.	v	.	.	
31	5392 rR 13 7 1	273.557437	.000055	.000200	.	v	.	.	
32	5393 rR 14 7 1	274.269745	.000047	.000200	.	v	.	.	
33	5394 rR 15 7 1	274.984694	.000077	.000200	.	v	.	.	
34	5395 rR 16 7 1	275.702262	.000122	.000200	.	v	.	.	
35	5396 rR 17 7 1	276.422343	.000072	.000200	.	v	.	.	
36	5397 rR 18 7 1	277.144879	-.000137	.000200	.	v	.	.	
37	5398 rR 19 7 1	277.870450	.000061	.000200	.	v	.	.	
38	5399 rR 20 7 1	278.598447	.000040	.000200	.	v	.	.	
39	5400 rR 21 7 1	279.329213	.000118	.000200	.	v	.	.	
40	5401 rR 22 7 1	280.062393	-.000093	.000200	.	v	.	.	
41	5402 rR 23 7 1	280.798716	.000099	.000200	.	v	.	.	
42	5403 rR 24 7 1	281.537629	.000093	.000200	.	v	.	.	
43	5404 rR 25 7 1	282.279210	-.000089	.000200	.	v	.	.	
44	5405 rR 26 7 1	283.024005	.000037	.000200	.	v	.	.	
45	5406 rR 27 7 1	283.771527	-.000086	.000200	.	v	.	.	
46	5407 rR 28 7 1	284.522251	-.000059	.000200	.	v	.	.	
47	5408 rR 29 7 1	285.276350	.000212	.000300	.	v	.	.	
48	5409 rR 30 7 1	286.032939	-.000245	.000300	.	v	.	.	
49	5410 rR 31 7 1	286.793533	.000001	.000200	.	v	.	.	
50	5411 rR 32 7 1	287.557526	.000257	.000300	.	.v	.	.	
51	5412 rR 33 7 1	288.324416	-.000063	.000200	.	v	.	.	
52	5413 rR 34 7 1	289.095194	-.000050	.000200	.	v	.	.	
53	5414 rR 35 7 1	289.870417	.000778	.001000	.	.v	.	.	
54	5415 rR 36 7 1	290.647583	-.000149	.000200	.	v	.	.	
55	5416 rR 37 7 1	291.429410	-.000175	.000200	.	v	.	.	
56	5417 rR 38 7 1	292.215020	-.000227	.000200	.	x	.	.	
57	5418 rR 39 7 1	293.004461	-.000299	.000200	.	x.	.	.	
58	5419 rR 40 7 1	293.797824	-.000331	.000200	.	x.	.	.	
59									
60									

1	5420 rR 41 7 1	294.596303	.000852	.002000	.	v	.	
2	5421 rR 42 7 1	295.396274	-.000385	.000200	.	x.	.	
3	5422 rR 43 7 1	296.201455	-.000325	.000200	.	x.	.	
4	5423 rR 44 7 1	297.010424	-.000381	.000200	.	x.	.	
5	5424 rR 45 7 1	297.823310	-.000407	.000200	.	*	.	
6	5425 rR 46 7 1	298.640081	-.000412	.000200	.	*	.	
7	5426 rR 47 7 1	299.460565	-.000539	.000200	.	*	.	
8	5427 rR 48 7 1	300.284918	-.000598	.000200	.	*	.	
9	5428 rR 49 7 1	301.113154	-.000536	.000200	.	*	.	
10	5429 rR 50 7 1	301.945013	-.000572	.000200	.	*	.	
11	5430 rR 51 7 1	302.780728	-.000429	.000200	.	*	.	
12	5431 rR 52 7 1	303.619867	-.000494	.000200	.	*	.	
13	5432 rP 39 8 1	239.735323	-.000398	.000200	.	x.	.	
14	5433 rP 41 8 1	238.624318	-.000054	.000200	.	v	.	
15	5434 rP 42 8 1	238.071724	-.003079	.003000	x.	.	.	
16	5435 rP 43 8 1	237.528931	-.000434	.000200	.	*	.	
17	5436 rP 44 8 1	236.987679	-.000417	.000200	.	*	.	
18	5437 rP 45 8 1	236.450326	-.000695	.000500	.	x.	.	
19	5438 rP 46 8 1	235.918244	.000087	.000500	.	v	.	
20	5439 rP 47 8 1	235.388303	-.001212	.001000	.	x.	.	
21	5440 rP 48 8 1	234.866000	.000906	.002000	.	v	.	
22	5441 rP 49 8 1	234.344410	-.000480	.000200	.	*	.	
23	5442 rP 50 8 1	233.828550	-.000340	.000200	.	x.	.	
24	5443 rP 51 8 1	233.316313	-.000764	.000500	.	x.	.	
25	5444 rP 52 8 1	232.807758	-.001669	.002000	.	v	.	
26	5445 rP 53 8 1	232.305517	-.000397	.000200	.	x.	.	
27	5446 rP 54 8 1	231.807491	.000982	.002000	.	v	.	
28	5447 rP 55 8 1	231.311075	-.000103	.000200	.	v	.	
29	5448 rP 56 8 1	230.819143	-.000746	.000500	.	x.	.	
30	5449 rP 57 8 1	230.331780	-.000824	.001000	.	v	.	
31	5450 rP 58 8 1	229.849808	.000519	.001000	.	v	.	
32	5451 rP 59 8 1	229.369334	-.000571	.000500	.	x.	.	
33	5452 rP 60 8 1	228.894866	.000450	.000200	.	*	.	
34	5453 rP 61 8 1	228.423790	.001006	.001000	.	x	.	
35	5454 rP 62 8 1	227.955176	.000203	.000200	.	x	.	
36	5455 rP 63 8 1	227.491553	.000607	.000200	.	*	.	
37	5456 rR 8 8 1	270.117303	.000013	.000200	.	v	.	
38	5457 rR 9 8 1	270.816284	-.000060	.000200	.	v	.	
39	5458 rR 10 8 1	271.518048	.000012	.000200	.	v	.	
40	5459 rR 11 8 1	272.222451	.000088	.000200	.	v	.	
41	5460 rR 12 8 1	272.929499	.000176	.000200	.	v	.	
42	5461 rR 13 8 1	273.639009	.000096	.000200	.	v	.	
43	5462 rR 14 8 1	274.351364	.000233	.000200	.	x	.	
44	5463 rR 15 8 1	275.065904	-.000074	.000200	.	v	.	
45	5464 rR 16 8 1	275.783294	-.000162	.000200	.	v	.	
46	5465 rR 17 8 1	276.503406	-.000161	.000200	.	v	.	
47	5466 rR 18 8 1	277.226130	-.000188	.000200	.	v	.	
48	5467 rR 19 8 1	277.951566	-.000153	.000200	.	v	.	
49	5468 rR 20 8 1	278.679907	.000124	.000200	.	v	.	
50	5469 rR 21 8 1	279.410663	.000134	.000200	.	v	.	
51	5470 rR 22 8 1	280.143674	-.000305	.000200	.	x.	.	
52	5471 rR 23 8 1	280.880132	-.000030	.000200	.	v	.	
53	5472 rR 24 8 1	281.618620	-.000493	.000500	.	v.	.	
54	5473 rR 25 8 1	282.360448	-.000425	.000500	.	v.	.	
55	5474 rR 26 8 1	283.104890	-.000599	.000500	.	x.	.	
56	5475 rR 27 8 1	283.853165	.000151	.000200	.	v	.	

5476	rR	28	8	1	284.603326	-0.000182	.000200	.	v	.
5477	rR	29	8	1	285.357083	.000050	.000200	.	v	.
5478	rR	30	8	1	286.113573	-0.000085	.000200	.	v	.
5479	rR	32	8	1	287.636810	.000310	.000500	.	v	.
5480	rR	33	8	1	288.401476	-0.001388	.002000	.	v	.
5481	rR	34	8	1	289.172437	-0.000186	.000500	.	v	.
5482	rR	35	8	1	289.946019	.000171	.000200	.	v	.
5483	rR	36	8	1	290.725593	.002984	.030000	.	.	v
5484	rR	37	8	1	291.501778	-0.001191	.002000	.	v	.
5485	rR	38	8	1	292.287008	.000021	.000200	.	v	.
5486	rR	39	8	1	293.074215	-0.000497	.001000	.	v	.
5487	rR	40	8	1	293.865903	-0.000287	.000500	.	v	.
5488	rR	41	8	1	294.662321	.000867	.001000	.	v	.
5489	rR	42	8	1	295.460479	-0.000053	.000200	.	v	.
5490	rR	43	8	1	296.263048	-0.000393	.000200	.	x	.
5491	rR	44	8	1	297.069850	-0.000341	.000200	.	x	.
5492	rR	45	8	1	297.880486	-0.000296	.000200	.	x	.
5493	rR	46	8	1	298.694991	-0.000218	.000200	.	x	.
5494	rR	47	8	1	299.514968	.001509	.002000	.	v	.
5495	rR	48	8	1	300.335056	-0.000455	.000200	.	*	.
5496	rR	49	8	1	301.161040	-0.000302	.000200	.	x	.
5497	rR	50	8	1	301.990778	-0.000142	.000200	.	v	.
5498	rR	51	8	1	302.824048	-0.000166	.000200	.	v	.
5499	rR	52	8	1	303.661054	-0.000131	.000200	.	v	.
5500	rR	53	8	1	304.501256	-0.000539	.000200	.	*	.
5501	rR	54	8	1	305.345605	-0.000398	.000200	.	x	.
5502	rR	55	8	1	306.193495	-0.000271	.000200	.	x	.
5503	rR	56	8	1	307.044826	-0.000215	.000200	.	x	.
5504	rR	57	8	1	307.899578	-0.000206	.000200	.	x	.
5505	rR	58	8	1	308.757868	-0.000083	.000200	.	v	.
5506	rR	59	8	1	309.619621	.000123	.000200	.	v	.
5507	rR	60	8	1	310.484603	.000223	.000200	.	x	.
5508	rR	61	8	1	311.353527	.000972	.000500	.	x	.
5509	rR	62	8	1	312.224882	.0000901	.000200	.	*	.
5510	rR	63	8	1	313.100082	.001468	.000500	.	*	.
5511	rR	64	8	1	313.977592	.001179	.000200	.	*	.
5512	rR	9	9	1	270.783043	-0.000165	.000200	.	v	.
5513	rR	10	9	1	271.484516	-0.000265	.000200	.	x	.
5514	rR	11	9	1	272.188799	-0.000214	.000200	.	x	.
5515	rR	12	9	1	272.895770	-0.000133	.000500	.	v	.
5516	rR	13	9	1	273.604781	-0.000672	.000200	.	*	.
5517	rR	14	9	1	274.317079	-0.000587	.000200	.	*	.
5518	rR	15	9	1	275.032356	-0.000187	.000500	.	v	.
5519	rR	16	9	1	275.749588	-0.000502	.000200	.	*	.
5520	rR	17	9	1	276.470173	-0.000138	.000500	.	v	.
5521	rR	18	9	1	277.191903	-0.001313	.001000	.	x	.
5522	rR	19	9	1	277.918697	-0.000116	.001000	.	v	.
5523	rR	20	9	1	278.645520	-0.001595	.002000	.	v	.
5524	rR	21	9	1	279.377245	-0.000895	.001000	.	v	.
5525	rR	22	9	1	280.111561	-0.000346	.000200	.	x	.
5526	rR	23	9	1	280.848596	.000156	.000200	.	v	.
5527	rR	24	9	1	281.588485	.000718	.001000	.	v	.
5528	rR	25	9	1	282.329761	-0.000161	.000200	.	v	.
5529	rR	26	9	1	283.075268	.000326	.000200	.	x	.
5530	rR	27	9	1	283.823092	.000221	.000200	.	x	.
5531	rR	28	9	1	284.572974	-0.000782	.001000	.	v	.

1	5532 rR 30 9 1	286.084741	.000136	.000200	.	v	.	
2	5533 rR 31 9 1	286.844666	-.000016	.000200	.	v	.	
3	5534 rR 32 9 1	287.607845	-.000098	.000200	.	v	.	
4	5535 rR 33 9 1	288.374622	.000173	.000200	.	v	.	
5	5536 rR 34 9 1	289.144255	-.000008	.000200	.	v	.	
6	5537 rR 35 9 1	289.920227	.002780	.003000	.	.	.v	
7	5538 rR 36 9 1	290.694456	.000395	.000200	.	x	.	
8	5539 rR 37 9 1	291.474213	.000051	.000200	.	v	.	
9	5540 rR 38 9 1	292.258145	.000344	.000200	.	x	.	
10	5541 rR 39 9 1	293.046301	.001275	.001000	.	.	x	
11	5542 rR 40 9 1	293.835354	-.000524	.001000	.	v.	.	
12	5543 rR 41 9 1	294.630729	.000339	.000200	.	x	.	
13	5544 rR 42 9 1	295.428949	.000360	.000200	.	x	.	
14	5545 rR 43 9 1	296.230867	.000373	.000200	.	x	.	
15	5546 rR 44 9 1	297.036378	.000262	.000200	.	x	.	
16	5547 rR 45 9 1	297.846027	.000571	.000200	.	*	.	
17	5548 rR 46 9 1	298.658816	.000307	.000200	.	x	.	
18	5549 rR 48 9 1	300.296032	.000335	.000200	.	x	.	
19	5550 rR 49 9 1	301.119970	.000187	.000200	.	v	.	
20	5551 rR 50 9 1	301.947788	.000302	.000200	.	x	.	
21	5552 rR 51 9 1	302.780711	.001946	.002000	.	.	v.	
22	5553 rR 52 9 1	303.613025	-.000547	.001000	.	v.	.	
23	5554 rR 53 9 1	304.452174	.000323	.000200	.	x	.	
24	5555 rR 54 9 1	305.293509	-.000031	.000200	.	v	.	
25	5556 rR 55 9 1	306.138573	.000004	.000200	.	v	.	
26	5557 rR 56 9 1	306.986893	.000037	.000200	.	v	.	
27	5558 rR 57 9 1	307.838375	.000066	.000200	.	v	.	
28	5559 rR 58 9 1	308.692371	-.000446	.000500	.	v.	.	
29	5560 rR 59 9 1	309.550339	.000090	.000200	.	v	.	
30	5561 rR 60 9 1	310.410452	.000010	.000200	.	v	.	
31	5562 rR 61 9 1	311.273749	.000560	.001000	.	v	.	
32	5563 rR 62 9 1	312.137071	-.001140	.001000	.	x	.	
33	5564 rR 63 9 1	313.005318	.000195	.000200	.	v	.	
34	5565 rR 64 9 1	313.873553	.000190	.000200	.	v	.	
35	5566 rR 65 9 1	314.742096	.000035	.000200	.	v	.	
36	5567 rR 66 9 1	315.610154	.000367	.001000	.	.v	.	
37	5568 rR 67 9 1	316.473571	-.000454	.000200	.	*	.	
38	5569 rR 68 9 1	317.329507	-.000480	.000200	.	*	.	
39	5570 rR 10 10 1	271.568389	-.000244	.000200	.	x	.	
40	5571 rR 11 10 1	272.272851	.000026	.000200	.	v	.	
41	5572 rR 12 10 1	272.979706	.000007	.000200	.	v	.	
42	5573 rR 13 10 1	273.689080	-.000178	.000200	.	v	.	
43	5574 rR 14 10 1	274.401319	-.000184	.000200	.	v	.	
44	5575 rR 15 10 1	275.116607	.000169	.001000	.	v	.	
45	5576 rR 16 10 1	275.833278	-.000791	.000500	.	x	.	
46	5577 rR 17 10 1	276.552971	-.001430	.001000	.	x	.	
47	5578 rR 18 10 1	277.276672	-.000769	.000500	.	x	.	
48	5579 rR 19 10 1	278.002799	-.000399	.000200	.	x.	.	
49	5580 rR 20 10 1	278.731207	-.000476	.000200	.	*	.	
50	5581 rR 21 10 1	279.462531	-.000379	.000200	.	x.	.	
51	5582 rR 22 10 1	280.197232	.000336	.001000	.	.v	.	
52	5583 rR 23 10 1	280.933496	-.000162	.000200	.	v	.	
53	5584 rR 24 10 1	281.672674	-.000547	.000500	.	x.	.	
54	5585 rR 25 10 1	282.415218	-.000392	.000200	.	x.	.	
55	5586 rR 26 10 1	283.160678	-.000178	.000200	.	v	.	
56	5587 rR 27 10 1	283.908213	-.000780	.001000	.	v	.	

5588	rR	28	10	1	284.660065	.000006	.000200	.	v	.
5589	rR	29	10	1	285.414219	.000124	.000200	.	v	.
5590	rR	30	10	1	286.171337	.000189	.000200	.	v	.
5591	rR	31	10	1	286.931545	.000280	.000200	.	x	.
5592	rR	32	10	1	287.694756	.000258	.000200	.	x	.
5593	rR	33	10	1	288.461341	.000439	.000200	.	*	.
5594	rR	34	10	1	289.230950	.000420	.000200	.	*	.
5595	rR	35	10	1	290.003985	.000545	.000200	.	*	.
5596	rR	36	10	1	290.778868	-.000817	.002000	.	v	.
5597	rR	37	10	1	291.561650	.002328	.002000	.	.	x
5598	rR	11	11	1	272.327755	-.000074	.000200	.	v	.
5599	rR	12	11	1	273.034460	-.000055	.000200	.	v	.
5600	rR	13	11	1	273.744032	.000138	.000200	.	v	.
5601	rR	14	11	1	274.455585	-.000385	.001000	.	v.	.
5602	rR	15	11	1	275.171381	.000635	.001000	.	v	.
5603	rR	16	11	1	275.887565	-.000662	.001000	.	v.	.
5604	rR	17	11	1	276.608513	.000095	.000200	.	v	.
5605	rR	18	11	1	277.330794	-.000531	.001000	.	v.	.
5606	rR	19	11	1	278.057786	.000828	.001000	.	.	v
5607	rR	20	11	1	278.785074	-.000250	.000200	.	x	.
5608	rR	22	11	1	280.250489	.000183	.000500	.	v	.
5609	rR	23	11	1	280.986985	.000034	.000200	.	v	.
5610	rR	24	11	1	281.726332	-.000056	.000200	.	v	.
5611	rR	25	11	1	282.468592	-.000047	.001000	.	v	.
5612	rR	26	11	1	283.213163	-.000564	.002000	.	v.	.
5613	rR	27	11	1	283.961590	-.000090	.000200	.	v	.
5614	rR	28	11	1	284.712583	.000054	.000200	.	v	.
5615	rR	29	11	1	285.466401	.000094	.000200	.	v	.
5616	rR	30	11	1	286.223199	.000149	.000200	.	v	.
5617	rR	31	11	1	286.983366	.000567	.001000	.	v	.
5618	rR	32	11	1	287.746424	.000828	.002000	.	v	.
5619	rR	33	11	1	288.511368	-.000118	.001000	.	v	.
5620	pP	1	1	-1	262.653363	.001068	.001000	.	x	.
5621	pP	2	1	-1	261.980035	-.001646	.002000	.	v	.
5622	pP	3	1	-1	261.313797	.000082	.000200	.	v	.
5623	pP	4	1	-1	260.648479	.000012	.000200	.	v	.
5624	pP	5	1	-1	259.986088	.000054	.000200	.	v	.
5625	pP	6	1	-1	259.326564	.000029	.000200	.	v	.
5626	pP	7	1	-1	258.670119	.000004	.000200	.	v	.
5627	pP	8	1	-1	258.016976	.000037	.000200	.	v	.
5628	pP	9	1	-1	257.367160	-.000027	.000200	.	v	.
5629	pP	10	1	-1	256.721196	.000141	.000200	.	v	.
5630	pP	11	1	-1	256.079023	.000278	.000200	.	x	.
5631	pP	12	1	-1	255.440367	-.000091	.000200	.	v	.
5632	pP	13	1	-1	254.806594	.000205	.000200	.	x	.
5633	pP	14	1	-1	254.176663	-.000055	.000200	.	v	.
5634	pP	15	1	-1	253.551586	-.000016	.000200	.	v	.
5635	pP	16	1	-1	252.931182	.000010	.000200	.	v	.
5636	pP	17	1	-1	252.316010	.000484	.001000	.	v	.
5637	pP	18	1	-1	251.704777	.000052	.000200	.	v	.
5638	pP	2	2	-1	261.908548	.000302	.000200	.	x	.
5639	pP	3	2	-1	261.240432	.000133	.000200	.	v	.
5640	pP	4	2	-1	260.575185	.000161	.000200	.	v	.
5641	pP	5	2	-1	259.912672	.000171	.000200	.	v	.
5642	pP	6	2	-1	259.252972	.000139	.000200	.	v	.
5643	pP	7	2	-1	258.596273	.000129	.000200	.	v	.

3	5644 pP 8 2 -1	257.942702	.000125	.000200	. v .
4	5645 pP 9 2 -1	257.292417	.000122	.000200	. v .
5	5646 pP 10 2 -1	256.645598	.000123	.000200	. v .
6	5647 pP 11 2 -1	256.002235	-0.000075	.000200	. v .
7	5648 pP 12 2 -1	255.363022	.000025	.000200	. v .
8	5649 pP 13 2 -1	254.727776	.000035	.000200	. v .
9	5650 pP 14 2 -1	254.096883	.000143	.000200	. v .
10	5651 pP 15 2 -1	253.470230	.000046	.000200	. v .
11	5652 pP 16 2 -1	252.848235	-0.000011	.000200	. v .
12	5653 pP 17 2 -1	252.231029	-0.000044	.000200	. v .
13	5654 pP 18 2 -1	251.618755	-0.000031	.000200	. v .
14	5655 pP 19 2 -1	251.011212	-0.00256	.000200	. x .
15	5656 pP 20 2 -1	250.409181	.000015	.000200	. v .
16	5657 pP 21 2 -1	249.811835	-0.000051	.000200	. v .
17	5658 pP 22 2 -1	249.219691	.000094	.000200	. v .
18	5659 pP 23 2 -1	248.632243	.000013	.000200	. v .
19	5660 pP 24 2 -1	248.049695	.000015	.000200	. v .
20	5661 pP 25 2 -1	247.471835	.000017	.000200	. v .
21	5662 pP 26 2 -1	246.898804	.000318	.000200	. x .
22	5663 pR 2 2 -1	265.287299	.000517	.000500	. x .
23	5664 pR 3 2 -1	265.971787	.001484	.002000	. . v .
24	5665 pR 4 2 -1	266.656702	.000152	.000200	. v .
25	5666 pR 5 2 -1	267.344646	-0.00974	.002000	. v .
26	5667 pR 6 2 -1	268.037562	-0.00067	.000200	. v .
27	5668 pR 7 2 -1	268.732446	-0.00269	.000500	. v .
28	5669 pR 8 2 -1	269.433600	.002568	.003000	. . v
29	5670 pR 9 2 -1	270.132889	.000136	.000200	. v .
30	5671 pR 10 2 -1	270.838195	.000136	.000200	. v .
31	5672 pR 11 2 -1	271.547258	.000116	.000200	. v .
32	5673 pR 12 2 -1	272.259493	-0.00702	.001000	. v .
33	5674 pR 13 2 -1	272.979530	.002124	.003000	. . v .
34	5675 pR 14 2 -1	273.700422	.001472	.002000	. v .
35	5676 pR 15 2 -1	274.425000	.000014	.000200	. v .
36	5677 pR 16 2 -1	275.155803	.000161	.000200	. v .
37	5678 pR 18 2 -1	276.631278	.000098	.000200	. v .
38	5679 pR 19 2 -1	277.376309	.000162	.000200	. v .
39	5680 pR 20 2 -1	278.125811	-0.000090	.000200	. v .
40	5681 pR 21 2 -1	278.880016	-0.000370	.000200	. x .
41	5682 pP 3 3 -1	261.165667	.000354	.000200	. x .
42	5683 pP 4 3 -1	260.500445	.000401	.000200	. * .
43	5684 pP 5 3 -1	259.837871	.000384	.000200	. x .
44	5685 pP 6 3 -1	259.178050	.000308	.000200	. x .
45	5686 pP 7 3 -1	258.521224	.000294	.000200	. x .
46	5687 pP 8 3 -1	257.867514	.000322	.000200	. x .
47	5688 pP 9 3 -1	257.216986	.000296	.000200	. x .
48	5689 pP 10 3 -1	256.570088	.000486	.000200	. * .
49	5690 pP 11 3 -1	255.926347	.000228	.000200	. x .
50	5691 pP 12 3 -1	255.286386	-0.000059	.000500	. v .
51	5692 pP 13 3 -1	254.649531	-0.01256	.002000	. v .
52	5693 pP 14 3 -1	254.019432	.000082	.000500	. v .
53	5694 pP 15 3 -1	253.389930	-0.02405	.003000	v . .
54	5695 pP 16 3 -1	252.770333	.000411	.000200	. * .
55	5696 pP 17 3 -1	252.153101	.000827	.000500	. . x .
56	5697 pP 18 3 -1	251.539851	.000329	.000200	. x .
57	5698 pP 19 3 -1	250.932712	.000945	.001000	. . v .
58	5699 pP 20 3 -1	250.329611	.000538	.000200	. * .

1	5700 pP 21 3 -1	249.731850	.000386	.000200	.	.x	.	
2	5701 pP 22 3 -1	249.139346	.000416	.000200	.	*.	.	
3	5702 pP 23 3 -1	248.552086	.000662	.000200	.	*.	.	
4	5703 pR 7 3 -1	268.655940	.000164	.000200	.	v	.	
5	5704 pR 8 3 -1	269.354291	.000487	.000200	.	*.	.	
6	5705 pR 9 3 -1	270.055370	.000144	.000200	.	v	.	
7	5706 pR 10 3 -1	270.759960	-0.00265	.001000	.	v.	.	
8	5707 pR 11 3 -1	271.469308	.000313	.000200	.	.x	.	
9	5708 pR 12 3 -1	272.182079	.000351	.000200	.	.x	.	
10	5709 pR 13 3 -1	272.899068	.000454	.000200	.	*.	.	
11	5710 pR 14 3 -1	273.620123	.000295	.000200	.	.x	.	
12	5711 pR 15 3 -1	274.345880	.000351	.000200	.	.x	.	
13	5712 pP 4 4 -1	260.424072	.000495	.000200	.	*.	.	
14	5713 pP 5 4 -1	259.761470	.000468	.000200	.	*.	.	
15	5714 pP 6 4 -1	259.101732	.000520	.000200	.	*.	.	
16	5715 pP 7 4 -1	258.444849	.000511	.000200	.	*.	.	
17	5716 pP 8 4 -1	257.790980	.000446	.000200	.	*.	.	
18	5717 pP 9 4 -1	257.141786	.001811	.002000	.	.	v.	
19	5718 pP 10 4 -1	256.493328	.000473	.000200	.	*.	.	
20	5719 pP 11 4 -1	255.849649	.000266	.000200	.	.x	.	
21	5720 pP 12 4 -1	255.210125	.000348	.000200	.	.x	.	
22	5721 pP 13 4 -1	254.574824	.000566	.000200	.	*.	.	
23	5722 pP 15 4 -1	253.316887	.000563	.000200	.	*.	.	
24	5723 pP 16 4 -1	252.694531	.000241	.000200	.	x	.	
25	5724 pR 4 4 -1	266.502368	-0.00054	.001000	.	v	.	
26	5725 pR 5 4 -1	267.190780	-0.00178	.001000	.	v	.	
27	5726 pR 6 4 -1	267.883675	.001241	.001000	.	.x	.	
28	5727 pR 7 4 -1	268.576376	-0.000628	.002000	.	v.	.	
29	5728 pR 8 4 -1	269.274669	-0.00176	.001000	.	v	.	
30	5729 pR 9 4 -1	269.976476	.000330	.000200	.	.x	.	
31	5730 pR 10 4 -1	270.681199	.000089	.000200	.	v	.	
32	5731 pR 11 4 -1	271.390244	.000305	.000200	.	.x	.	
33	5732 pR 12 4 -1	272.104109	.001273	.001000	.	.x	.	
34	5733 pR 13 4 -1	272.820418	.000429	.000200	.	*.	.	
35	5734 pP 5 5 -1	259.683642	.000550	.000200	.	*.	.	
36	5735 pP 6 5 -1	259.023805	.000581	.000200	.	*.	.	
37	5736 pP 7 5 -1	258.366848	.000569	.000200	.	*.	.	
38	5737 pP 8 5 -1	257.712834	.000391	.000200	.	.x	.	
39	5738 pP 9 5 -1	257.062512	.000584	.000200	.	*.	.	
40	5739 pP 10 5 -1	256.415264	.000296	.000300	.	v	.	
41	5740 pP 11 5 -1	255.772347	.000540	.000200	.	*.	.	
42	5741 pP 12 5 -1	255.133287	.000590	.000200	.	*.	.	
43	5742 pP 13 5 -1	254.498622	.000743	.000200	.	*.	.	
44	5743 pP 14 5 -1	253.865947	-0.01626	.003000	.	v	.	
45	5744 pP 15 5 -1	253.242830	.000862	.000300	.	*.	.	
46	5745 pP 16 5 -1	252.621783	.000567	.000200	.	*.	.	
47	5746 pP 17 5 -1	252.005850	.000427	.000200	.	*.	.	
48	5747 pP 18 5 -1	251.395271	.000615	.000200	.	*.	.	
49	5748 pP 19 5 -1	250.789254	.000311	.000200	.	.x	.	
50	5749 pP 20 5 -1	250.188192	-0.000085	.010000	.	v	.	
51	5750 pP 21 5 -1	249.593139	.000511	.000200	.	*.	.	
52	5751 pP 22 5 -1	249.002478	.000536	.000200	.	*.	.	
53	5752 pP 23 5 -1	248.416725	.000573	.000200	.	*.	.	
54	5753 pP 24 5 -1	247.835786	.000611	.000200	.	*.	.	
55	5754 pP 25 5 -1	247.260069	.001147	.000500	.	*.	.	
56	5755 pP 26 5 -1	246.688371	.001078	.000200	.	*.	.	

1	5756	pP	27	5 -1	246.121298	.001115	.000200	. . * .
2	5757	pQ	5	5 -1	263.060097	.000883	.000500	. . x .
3	5758	pQ	6	5 -1	263.075706	.000910	.000500	. . x .
4	5759	pQ	7	5 -1	263.094579	.001155	.001000	. . x .
5	5760	pQ	8	5 -1	263.114153	-.001149	.002000	. v . .
6	5761	pQ	9	5 -1	263.140770	.000117	.000500	. v . .
7	5762	pQ	10	5 -1	263.173229	.003513	.003000	. . . x
8	5763	pQ	11	5 -1	263.202936	.000203	.000500	. v . .
9	5764	pQ	12	5 -1	263.240408	.000470	.000200	. . * .
10	5765	pQ	13	5 -1	263.282149	.000605	.000200	. . * .
11	5766	pQ	14	5 -1	263.326716	-.001018	.002000	. v . .
12	5767	pQ	15	5 -1	263.379078	.000423	.000200	. . * .
13	5768	pQ	16	5 -1	263.434521	.000114	.000500	. v . .
14	5769	pQ	17	5 -1	263.495613	.000558	.000200	. . * .
15	5770	pQ	18	5 -1	263.559664	-.000957	.002000	. v . .
16	5771	pQ	19	5 -1	263.631871	.000771	.000300	. . * .
17	5772	pQ	20	5 -1	263.707197	.000740	.000200	. . * .
18	5773	pQ	21	5 -1	263.787174	.000534	.000200	. . * .
19	5774	pP	6	6 -1	258.944295	.000483	.000200	. . * .
20	5775	pP	7	6 -1	258.287287	.000625	.000200	. . * .
21	5776	pP	8	6 -1	257.633647	.000901	.000300	. . * .
22	5777	pP	9	6 -1	256.983228	.000862	.000200	. . * .
23	5778	pP	10	6 -1	256.336487	.000644	.000200	. . * .
24	5779	pP	11	6 -1	255.694025	.000525	.000200	. . * .
25	5780	pP	12	6 -1	255.056103	.000472	.000200	. . * .
26	5781	pP	13	6 -1	254.422969	.000490	.000200	. . * .
27	5782	pP	14	6 -1	253.794445	.000223	.000200	. x . .
28	5783	pP	15	6 -1	253.171861	.000897	.001000	. . v .
29	5784	pP	16	6 -1	252.551489	-.001259	.002000	. v . .
30	5785	pP	17	6 -1	251.936295	-.003272	.003000	x . . .
31	5786	pP	18	6 -1	251.332017	.000637	.002000	. . v .
32	5787	pP	19	6 -1	250.727682	-.000445	.000200	. . * .
33	5788	pP	7	7 -1	258.205642	.000279	.000200	. x . .
34	5789	pP	8	7 -1	257.551190	.000252	.000200	. x . .
35	5790	pP	9	7 -1	256.901224	.000367	.000200	. x . .
36	5791	pP	10	7 -1	256.257850	.002140	.002000	. . x .
37	5792	pP	11	7 -1	255.616070	.000193	.000200	. v . .
38	5793	pP	12	7 -1	254.981736	.000265	.000200	. x . .
39	5794	pP	14	7 -1	253.729132	.000661	.000200	. . * .
40	5795	pP	20	8 -1	249.642735	.000215	.000200	. x . .
41	5796	pP	21	8 -1	248.999716	.000105	.000200	. v . .
42	5797	pP	22	8 -1	248.356706	-.001728	.002000	. v . .
43	5798	pP	23	8 -1	247.718719	-.000304	.000200	. x . .
44	5799	pP	24	8 -1	247.080789	-.000620	.000500	. x . .
45	5800	pP	25	8 -1	246.444495	-.001127	.001000	. x . .
46	5801	pP	26	8 -1	245.811530	-.000160	.000200	. v . .
47	5802	pP	27	8 -1	245.178298	-.001343	.001000	. x . .
48	5803	pP	28	8 -1	244.548643	-.000854	.001000	. v . .
49	5804	pP	29	8 -1	243.921218	-.000063	.000200	. v . .
50	5805	pP	30	8 -1	243.294919	-.000093	.000200	. v . .
51	5806	pP	31	8 -1	242.670890	.000184	.000200	. v . .

File # 5 MeNC_v8.fre No. data : 96 .20000 MHz -> |----+---0---+----|

5807 qR 6 1 1 141091.5170 .0205 .0200 | . x . |

5808 qR 6 -1 -1 141479.9480 .0338 .0200 | . x . |

5809 qR 6 2 1 141335.1860 .0223 .0200 | . x . |

1	5810	qR	6	3	1	141301.1900	.0385	.0200	.	.	x	.	
2	5811	qR	6	4	1	141277.2210	.0418	.0200	.	.	*	.	
3	5812	qR	6	5	1	141251.2220	.0281	.0200	.	.	x	.	
4	5813	qR	6	6	1	141220.6550	.0398	.0200	.	.	x	.	
5	5814	qR	6	0	-1	141229.8900	.0117	.0200	.	.	v	.	
6	5815	qR	6	1	-1	141244.7980	.0116	.0200	.	.	v	.	
7	5816	qR	6	2	-1	141236.9390	.0133	.0200	.	.	v	.	
8	5817	qR	6	3	-1	141218.3810	.0210	.0200	.	.	x	.	
9	5818	qR	6	4	-1	141191.6590	-.0261	.0200	.	x	.	.	
10	5819	qR	6	5	-1	141157.7810	-.0120	.0200	.	v	.	.	
11	5820	qR	6	6	-1	141117.0830	.0010	.0200	.	v	.	.	
12	5821	qR	9	1	1	201549.4920	.0111	.0200	.	v	.	.	
13	5822	qR	9	-1	-1	202104.0410	.0291	.0200	.	x	.	.	
14	5823	qR	9	2	1	201959.5690	.0176	.0200	.	v	.	.	
15	5824	qR	9	3	1	201886.0970	.0082	.0200	.	v	.	.	
16	5825	qR	9	4	1	201840.3900	-.0036	.0200	.	v	.	.	
17	5826	qR	9	5	1	201797.1290	.0040	.0200	.	v	.	.	
18	5827	qR	9	6	1	201749.6730	.0052	.0200	.	v	.	.	
19	5828	qR	9	7	1	201695.6710	.0214	.0200	.	x	.	.	
20	5829	qR	9	8	1	201634.0510	.0231	.0200	.	x	.	.	
21	5830	qR	9	9	1	201564.3200	.0380	.0200	.	x	.	.	
22	5831	qR	14	1	1	302288.1880	-.0041	.0200	.	v	.	.	
23	5832	qR	14	-1	-1	303118.7060	.0078	.0200	.	v	.	.	
24	5833	qR	14	2	1	303023.6090	.0109	.0200	.	v	.	.	
25	5834	qR	14	3	1	302901.3240	.0042	.1000	.	v	.	.	
26	5835	qR	14	4	1	302808.4510	.0159	.0200	.	v	.	.	
27	5836	qR	14	5	1	302726.3850	.0025	.0200	.	v	.	.	
28	5837	qR	14	6	1	302643.4880	-.0011	.0200	.	v	.	.	
29	5838	qR	14	7	1	302554.1970	.0035	.0200	.	v	.	.	
30	5839	qR	14	8	1	302455.7080	.0046	.0200	.	v	.	.	
31	5840	qR	14	9	1	302346.5130	.0115	.0200	.	v	.	.	
32	5841	qR	14	10	1	302225.6990	.0137	.0200	.	v	.	.	
33	5842	qR	14	11	1	302092.4530	.0208	.0200	.	x	.	.	
34	5843	qR	14	12	1	301948.5530	.0329	.0200	.	x	.	.	
35	5844	qR	14	13	1	301790.2700	.0462	.0200	.	*	.	.	
36	5845	qR	14	14	1	301619.5960	.0588	.0200	.	*	.	.	
37	5846	qR	18	1	1	382848.6960	-.0255	.0200	.	x	.	.	
38	5847	qR	18	-1	-1	383898.9230	.0000	.0200	.	v	.	.	
39	5848	qR	18	2	1	383836.9660	-.0234	.0200	.	x	.	.	
40	5849	qR	18	3	1	383716.0680	-.0298	.0200	.	x	.	.	
41	5850	qR	18	4	1	383595.6360	-.0163	.0200	.	v	.	.	
42	5851	qR	18	5	1	383481.1670	-.0399	.0200	.	x	.	.	
43	5852	qR	18	6	1	383366.0570	-.0369	.0200	.	x	.	.	
44	5853	qR	18	7	1	383244.6070	-.0487	.0200	.	*	.	.	
45	5854	qR	18	8	1	383113.2420	-.0211	.0200	.	x	.	.	
46	5855	qR	18	9	1	382969.6170	-.0377	.0200	.	x	.	.	
47	5856	qR	18	10	1	382812.3080	-.0335	.0200	.	x	.	.	
48	5857	qR	18	11	1	382639.6490	-.0186	.0200	.	v	.	.	
49	5858	qR	18	12	1	382456.5110	-.0108	.0200	.	v	.	.	
50	5859	qR	18	13	1	382253.1980	-.0377	.0200	.	x	.	.	
51	5860	qR	18	14	1	382035.1870	-.0210	.0200	.	x	.	.	
52	5861	qR	18	16	1	381551.7020	-.0183	.0500	.	v	.	.	
53	5862	qR	9	0	-1	201684.8580	.0052	.1000	.	v	.	.	
54	5863	qR	9	1	-1	201731.2280	.1754	.2000	.	.	.	v	
55	5864	qR	9	2	-1	201731.2280	-.0923	.1000	v	.	.	.	
56	5865	qR	9	3	-1	201711.0040	-.0077	.0200	.	v	.	.	

3	5866	qR	9	4	-1	201676.7440	-.0205	.0200	.	x.	.	
4	5867	qR	9	5	-1	201630.9600	-.0213	.0200	.	x.	.	
5	5868	qR	9	6	-1	201574.7290	-.0168	.0200	.	v.	.	
6	5869	qR	9	7	-1	201508.6170	-.0294	.0200	.	x.	.	
7	5870	qR	9	8	-1	201433.1170	-.0329	.0200	.	x.	.	
8	5871	qR	9	9	-1	201350.6590	-.0402	.0200	.	*	.	
9	5872	qR	14	0	-1	302369.6860	-.0085	.0200	.	v	.	
10	5873	qR	14	1	-1	302451.1790	-.0052	.0200	.	v	.	
11	5874	qR	14	2	-1	302476.0990	-.0044	.0200	.	v	.	
12	5875	qR	14	3	-1	302463.0240	-.0126	.0200	.	v	.	
13	5876	qR	14	4	-1	302423.6790	-.0111	.0200	.	v	.	
14	5877	qR	14	5	-1	302363.6500	-.0203	.0200	.	x.	.	
15	5878	qR	14	6	-1	302285.8230	-.0087	.0500	.	v	.	
16	5879	qR	14	7	-1	302191.7760	-.0161	.0200	.	v	.	
17	5880	qR	14	8	-1	302082.7070	-.0216	.0200	.	x.	.	
18	5881	qR	14	9	-1	301962.7570	-.0139	.0200	.	v	.	
19	5882	qR	14	10	-1	301823.3410	-.0170	.0200	.	v	.	
20	5883	qR	14	11	-1	301666.2200	-.0208	.0200	.	x.	.	
21	5884	qR	14	12	-1	301499.5170	-.0085	.0200	.	v	.	
22	5885	qR	14	13	-1	301319.3410	-.0048	.0200	.	v	.	
23	5886	qR	14	14	-1	301125.6980	-.0141	.0200	.	v	.	
24	5887	qR	18	0	-1	382893.4550	-.0246	.0200	.	x.	.	
25	5888	qR	18	1	-1	382962.8360	-.0144	.0200	.	v	.	
26	5889	qR	18	2	-1	382997.4230	-.0245	.0200	.	x.	.	
27	5890	qR	18	3	-1	382991.7300	-.0160	.0200	.	v	.	
28	5891	qR	18	4	-1	382952.4320	-.0239	.0200	.	x.	.	
29	5892	qR	18	5	-1	382885.2790	-.0129	.0200	.	v	.	
30	5893	qR	18	6	-1	382793.9350	-.0265	.0200	.	x.	.	
31	5894	qR	18	7	-1	382680.8510	-.0016	.0200	.	v	.	
32	5895	qR	18	8	-1	382547.8090	.0126	.0200	.	v	.	
33	5896	qR	18	9	-1	382400.4740	.0230	.0200	.	x	.	
34	5897	qR	18	10	-1	382226.2560	.0106	.0200	.	v	.	
35	5898	qR	18	11	-1	382030.8610	.0354	.0200	.	x	.	
36	5899	qR	18	12	-1	381822.7260	.0473	.0200	.	*	.	
37	5900	qR	18	13	-1	381597.1520	.0035	.0200	.	v	.	
38	5901	qR	18	14	-1	381354.3450	-.0036	.0200	.	v	.	
39	5902	qR	18	15	-1	381094.4820	-.0016	.0500	.	v	.	

40	File # 6	MeNC_v82.fr+	No. data :	42	.50000	MHz ->	-----+-----0-----					
41	5903	qR	6	0	2	141829.4190	-.0616	.0200	.	*	.	
42	5904	qR	6	1	2	141840.8460	-.0195	.0200	.	v	.	
43	5905	qR	6	-2	-2	141832.8270	.0408	.0200	.	*	.	
44	5906	qR	6	2	2	141858.9880	.0701	.0200	.	*	.	
45	5907	qR	6	3	2	141844.4510	.0705	.0200	.	*	.	
46	5908	qR	9	1	2	202640.6800	-.0441	.0200	.	*	.	
47	5909	qR	9	2	2	202684.2340	-.0103	.0200	.	v	.	
48	5910	qR	9	-2	-2	202607.9490	.0473	.0200	.	*	.	
49	5911	qR	9	3	2	202642.7820	.0728	.0200	.	*	.	
50	5912	qR	9	4	2	202629.4300	.1120	.0200	.	*	.	
51	5913	qR	9	5	2	202607.4790	.1667	.1000	.	x	.	
52	5914	qR	9	6	2	202576.5840	.1432	.0200	.	*	.	
53	5915	qR	9	7	2	202536.7140	.1058	.0200	.	*	.	
54	5916	qR	9	8	2	202487.6660	.0256	.0200	.	x	.	
55	5917	qR	9	9	2	202427.1530	-.0725	.0200	.	*	.	
56	5918	qR	14	0	2	303983.2340	-.0651	.0200	.	*	.	
57	5919	qR	14	1	2	303986.1810	-.0687	.0200	.	*	.	

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 2
 3 5920 qR 14 2 2 304122.4710 -.1383 .0200 | . * . . |
 4 5921 qR 14 -2 -2 303873.7340 -.0130 .0200 | . v . |
 5 5922 qR 14 3 2 303998.5580 -.0289 .0200 | . x . |
 6 5923 qR 14 4 2 303967.3330 .0718 .0200 | . . * . |
 7 5924 qR 14 5 2 303927.9070 .0749 .0200 | . . * . |
 8 5925 qR 14 6 2 303876.8600 .0783 .0200 | . . * . |
 9 5926 qR 14 7 2 303813.2890 .0684 .0200 | . . * . |
 10 5927 qR 14 8 2 303736.5770 .0303 .0200 | . x . |
 11 5928 qR 14 9 2 303642.8810 -.0576 .0200 | . * . . |
 12 5929 qR 14 10 2 303541.6600 -.1149 .0200 | . * . . |
 13 5930 qR 14 11 2 303430.4060 -.3305 .5000 | v . . . |
 14 5931 qR 18 0 2 385065.0680 -.0041 .0200 | . v . |
 15 5932 qR 18 1 2 385038.3850 -.1020 .0200 | . * . . |
 16 5933 qR 18 2 2 385326.6700 -.3379 .3000 | x . . . |
 17 5934 qR 18 -2 -2 384854.1550 -.0730 .0200 | . * . . |
 18 5935 qR 18 3 2 385129.0250 -.2447 .2000 | x . . |
 19 5936 qR 18 4 2 385062.0610 -.5170 .5000 | x . . . |
 20 5937 qR 18 5 2 385000.2420 -.0866 .0200 | . * . . |
 21 5938 qR 18 6 2 384927.6790 -.0526 .0200 | . * . . |
 22 5939 qR 18 7 2 384841.3310 .0032 .0200 | . v . |
 23 5940 qR 18 8 2 384739.4890 .0256 .0200 | . x . |
 24 5941 qR 18 9 2 384616.6870 .0079 .0200 | . v . |
 25 5942 qR 18 10 2 384486.4780 .0198 .0200 | . v . |
 26 5943 qR 18 11 2 384342.5930 .0763 .0200 | . . * . |
 27 5944 qR 18 12 2 384175.7540 -.1503 .5000 | . v . . |
 28
 29 File # 7 MeNC_v82.fr- No. data : 28 .50000 MHz -> |----+---0---+---|
 30 5945 qR 6 1 -2 141811.4390 -.2525 .0200 | * . . . |
 31 5946 qR 6 2 -2 141786.7650 -.1027 .0200 | . * . . |
 32 5947 qR 6 3 -2 141755.3130 .0033 .0200 | . v . |
 33 5948 qR 6 4 -2 141716.2170 -.0374 .0200 | . x . . |
 34 5949 qR 6 5 -2 141667.9780 .1846 .0200 | . . * . |
 35 5950 qR 9 1 -2 202606.7420 -.3424 .5000 | v . . . |
 36 5951 qR 9 -1 2 202606.7420 .1625 .5000 | . . v . |
 37 5952 qR 9 2 -2 202577.7110 -.1176 .0200 | . * . . |
 38 5953 qR 9 3 -2 202542.0500 -.0881 .0200 | . * . . |
 39 5954 qR 9 4 -2 202502.2060 -.0671 .0200 | . * . . |
 40 5955 qR 9 5 -2 202465.7420 -.0141 .0200 | . v . |
 41 5956 qR 9 6 -2 202469.2240 .2601 .0200 | . . * . |
 42 5957 qR 9 7 -2 201861.7800 -.0996 .0200 | . * . . |
 43 5958 qR 9 8 -2 202051.2350 -.4109 .0200 | * . . . |
 44 5959 qR 14 1 -2 303966.6580 -.3949 .5000 | v . . . |
 45 5960 qR 14 2 -2 303941.9890 .0254 .0200 | . . x . |
 46 5961 qR 14 3 -2 303913.9110 .0452 .0200 | . . * . |
 47 5962 qR 14 4 -2 303890.1460 -.0727 .0200 | . * . . |
 48 5963 qR 14 5 -2 303884.4750 -.3031 .0200 | * . . . |
 49 5964 qR 14 6 -2 303905.6430 -.2178 .0200 | . * . . |
 50 5965 qR 14 7 -2 302686.3810 .0438 .0200 | . . * . |
 51 5966 qR 18 1 -2 385062.0610 -.1458 .2000 | . v . . |
 52 5967 qR 18 2 -2 385045.7910 .3131 .0200 | . . . * |
 53 5968 qR 18 3 -2 385023.1010 .3907 .0200 | . . . * |
 54 5969 qR 18 4 -2 384998.4270 .2470 .0200 | . . * . |
 55 5970 qR 18 5 -2 384972.2580 .1024 .0200 | . . * . |
 56 5971 qR 18 7 -2 383330.4260 .1536 .0200 | . . * . |
 57 5972 qR 18 8 -2 383263.7920 -.0063 .0200 | . v . . |

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2
3 File # 8 MeNC_v80.fre No. data : 36 .50000 MHz -> |---+---0---+---|
 4 5973 qR 6 0 0 141804.8550 .0046 .0200 | . v . |
 5 5974 qR 6 1 0 141801.7520 -.0196 .0200 | . v . |
 6 5975 qR 6 2 0 141792.4380 -.0026 .0200 | . v . |
 7 5976 qR 6 3 0 141777.0190 .0590 .0200 | . * . |
 8 5977 qR 6 4 0 141755.3130 -.1481 .0200 | . * . |
 9 5978 qR 6 6 0 141695.7640 -.0972 .0200 | . * . |
 10 5979 qR 9 0 0 202528.9600 -.0061 .0200 | . v . |
 11 5980 qR 9 1 0 202524.0210 -.0451 .0200 | . * . |
 12 5981 qR 9 2 0 202509.1290 -.0211 .0200 | . x . |
 13 5982 qR 9 3 0 202484.0970 .0150 .0200 | . v . |
 14 5983 qR 9 4 0 202448.4590 .0441 .0200 | . * . |
 15 5984 qR 9 5 0 202401.2110 .0185 .0200 | . v . |
 16 5985 qR 9 6 0 202339.9490 -.0760 .0200 | . * . |
 17 5986 qR 9 7 0 202257.3120 -.2571 .0200 | * . |
 18 5987 qR 9 8 0 202116.6100 -.6533 .5000 x | . . . |
 19 5988 qR 9 9 0 202569.8350 -.1248 .0200 | . * . |
 20 5989 qR 14 0 0 303620.9680 .0309 .0200 | . x . |
 21 5990 qR 14 1 0 303612.0340 -.0454 .0200 | . * . |
 22 5991 qR 14 2 0 303585.0010 .0022 .0200 | . v . |
 23 5992 qR 14 3 0 303538.8860 .0368 .0200 | . x . |
 24 5993 qR 14 4 0 303471.6330 .0391 .0200 | . x . |
 25 5994 qR 14 5 0 303379.5790 .0571 .0200 | . * . |
 26 5995 qR 14 6 0 303255.4460 .1257 .0200 | . . * . |
 27 5996 qR 14 7 0 303086.1860 .1875 .5000 | . . v. |
 28 5997 qR 14 8 0 302860.8450 -.1127 .0200 | . * . |
 29 5998 qR 14 9 0 303852.0390 -.1405 .0200 | . * . |
 30 5999 qR 18 0 0 384376.4600 .0916 .0200 | . . * . |
 31 6000 qR 18 1 0 384364.0810 -.0123 .0200 | . v . |
 32 6001 qR 18 2 0 384326.6650 .0068 .0200 | . v . |
 33 6002 qR 18 3 0 384263.0090 -.0871 .0200 | . * . |
 34 6003 qR 18 4 0 384171.2030 .0085 .0200 | . v . |
 35 6004 qR 18 5 0 384048.2140 .0427 .0200 | . * . |
 36 6005 qR 18 6 0 383890.9800 .1550 .0200 | . * . |
 37 6006 qR 18 7 0 383700.8870 .2269 .0200 | . . * |
 38 6007 qR 18 8 0 383494.1450 -.0469 .0200 | . * . |
 39 6008 qR 18 9 0 384802.1580 .1704 .0200 | . . * . |

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 41 File # 9 MeNC_v8.fr0 No. data : 55 .20000 MHz -> |---+---0---+---|
 42 6009 qR 1 1 1 40313.6300 .0445 .0300 | . x . |
 43 6010 qR 2 1 1 60470.1450 .0550 .0300 | . x . |
 44 6011 qR 3 1 1 80626.2700 .0214 .0600 | . v . |
 45 6012 qR 4 1 1 100781.9670 .0209 .0900 | . v . |
 46 6013 qR 5 1 1 120937.0960 .0288 .0600 | . v . |
 47 6014 qR 6 1 1 141091.4940 -.0025 .0600 | . v . |
 48 6015 qR 1 -1 -1 40424.6120 -.0121 .0300 | . v . |
 49 6016 qR 2 -1 -1 60636.6790 .0414 .0300 | . x . |
 50 6017 qR 3 -1 -1 80848.3040 .0113 .0600 | . v . |
 51 6018 qR 4 -1 -1 101059.4670 -.0032 .0900 | . v . |
 52 6019 qR 5 -1 -1 121270.0740 .0235 .0600 | . v . |
 53 6020 qR 6 -1 -1 141479.9160 .0018 .0600 | . v . |
 54 6021 qR 2 2 1 60556.5680 .0049 .0300 | . v . |
 55 6022 qR 3 2 1 80745.9240 .0179 .0600 | . v . |
 56 6023 qR 4 2 1 100938.4770 .0479 .0900 | . v . |
 57 6024 qR 5 2 1 121134.7480 .0202 .0600 | . v . |
 58 6025 qR 6 2 1 141335.1840 .0203 .0600 | . v . |

1	6026	qR	3	3	1	80735.9300	.0579	.0600		.	.	v.	
2	6027	qR	4	3	1	100922.5110	.0307	.0900		.	.	v.	
3	6028	qR	5	3	1	121110.8400	.0286	.0600		.	.	v.	
4	6029	qR	6	3	1	141301.1720	.0205	.0600		.	.	v.	
5	6030	qR	6	3	1	141301.1900	.0385	.0200		.	.	x.	
6	6031	qR	4	4	1	100908.4260	.0498	.0900		.	.	v.	
7	6032	qR	5	4	1	121092.2260	.0214	.0600		.	.	v.	
8	6033	qR	6	4	1	141277.1920	.0128	.0600		.	.	v.	
9	6034	qR	5	5	1	121070.9360	.0140	.0600		.	.	v.	
10	6035	qR	6	5	1	141251.2200	.0261	.0600		.	.	v.	
11	6036	qR	6	6	1	141220.6420	.0268	.0600		.	.	v.	
12	6037	qR	1	0	-1	40366.7470	.0258	.0300		.	.	v.	
13	6038	qR	2	0	-1	60547.4510	.0182	.0300		.	.	v.	
14	6039	qR	3	0	-1	80725.0220	.0285	.0600		.	.	v.	
15	6040	qR	4	0	-1	100898.4540	.0181	.0900		.	.	v.	
16	6041	qR	5	0	-1	121066.9460	.0165	.0600		.	.	v.	
17	6042	qR	6	0	-1	141229.8880	.0097	.0600		.	v.	.	
18	6043	qR	1	1	-1	40364.4300	.0238	.0300		.	.	v.	
19	6044	qR	2	1	-1	60545.0880	-.0483	.0300		.	x.	.	
20	6045	qR	3	1	-1	80724.1120	.0086	.0600		.	v.	.	
21	6046	qR	4	1	-1	100900.7460	.0139	.0900		.	.	v.	
22	6047	qR	5	1	-1	121074.4820	.0155	.0600		.	.	v.	
23	6048	qR	6	1	-1	141244.7840	-.0024	.0600		.	v.	.	
24	6049	qR	2	2	-1	60538.7450	.0452	.0300		.	.	x.	
25	6050	qR	3	2	-1	80716.2480	-.0054	.0600		.	v.	.	
26	6051	qR	4	2	-1	100892.1090	.0220	.0900		.	.	v.	
27	6052	qR	5	2	-1	121065.7620	-.0186	.0600		.	v.	.	
28	6053	qR	6	2	-1	141236.9400	.0143	.0600		.	.	v.	
29	6054	qR	3	3	-1	80703.9700	.0354	.0600		.	v.	.	
30	6055	qR	4	3	-1	100877.2980	.0206	.0900		.	v.	.	
31	6056	qR	5	3	-1	121048.8560	-.0103	.0600		.	v.	.	
32	6057	qR	6	3	-1	141218.3660	.0060	.0600		.	v.	.	
33	6058	qR	4	4	-1	100857.2970	.0142	.0900		.	.	v.	
34	6059	qR	5	4	-1	121025.3640	-.0286	.0600		.	v.	.	
35	6060	qR	6	4	-1	141191.6760	-.0091	.0600		.	v.	.	
36	6061	qR	5	5	-1	120995.8980	-.0322	.0600		.	v.	.	
37	6062	qR	6	5	-1	141157.7700	-.0230	.0600		.	v.	.	
38	6063	qR	6	6	-1	141117.0900	.0080	.0600		.	v.	.	

41 File #10 MeNC_v88.fr0 No. data : 79 .50000 MHz -> |----+---0---+--|

42	6064	qR	1	0	0	40524.5570	.0557	.0300		.	x.	.	
43	6065	qR	2	0	0	60785.2150	-.0614	.0300		*	.	.	
44	6066	qR	3	0	0	81044.2500	-.0323	.0600		.	v.	.	
45	6067	qR	4	0	0	101300.9220	-.0106	.0900		.	v.	.	
46	6068	qR	5	0	0	121554.6780	.0321	.0600		.	v.	.	
47	6069	qR	6	0	0	141804.8260	-.0244	.0600		.	v.	.	
48	6070	qR	1	1	0	40523.7820	.0693	.1000		.	v.	.	
49	6071	qR	2	1	0	60784.0120	-.0665	.0300		*	.	.	
50	6072	qR	3	1	0	81042.6040	-.0527	.0600		.	v.	.	
51	6073	qR	4	1	0	101298.8250	-.0300	.0900		.	v.	.	
52	6074	qR	5	1	0	121552.0980	.0121	.0600		.	v.	.	
53	6075	qR	6	1	0	141801.6860	-.0856	.0600		.	x.	.	
54	6076	qR	2	2	0	60780.4060	-.0578	.1000		.	v.	.	
55	6077	qR	3	2	0	81037.7950	.0474	.0600		.	v.	.	
56	6078	qR	4	2	0	101292.6180	.0437	.0900		.	v.	.	
57	6079	qR	5	2	0	121544.3500	.0127	.0600		.	v.	.	

1	6080	qR	6	2	0	141792.4300	-.0106	.0600		.	v	.	
2	6081	qR	3	3	0	81029.8590	.1686	.2000		.	.	v	.
3	6082	qR	4	3	0	101282.2620	.0283	.0900		.	.	v	.
4	6083	qR	5	3	0	121531.5760	.0422	.0600		.	.	v	.
5	6084	qR	6	3	0	141776.9780	.0180	.0600		.	v	.	
6	6085	qR	4	4	0	101268.1380	.0558	.0890		.	.	v	.
7	6086	qR	5	4	0	121513.9440	.0553	.0600		.	.	v	.
8	6087	qR	6	4	0	141755.3740	-.0871	.2000		.	v	.	
9	6088	qR	5	5	0	121491.8880	.0331	.0600		.	.	v	.
10	6089	qR	6	5	0	141728.2300	.0130	.0600		.	v	.	
11	6090	qR	6	6	0	141695.7720	-.0892	.0600		.	x	.	
12	6091	qR	1	0	2	40520.0200	.0049	.0300		.	v	.	
13	6092	qR	2	0	2	60780.4060	-.0691	.1000		.	v	.	
14	6093	qR	3	0	2	81041.4470	-.0303	.0600		.	v	.	
15	6094	qR	4	0	2	101303.1510	-.0485	.0900		.	v	.	
16	6095	qR	5	0	2	121565.7660	-.0477	.0600		.	v	.	
17	6096	qR	6	0	2	141829.4300	-.0506	.0600		.	v	.	
18	6097	qR	1	1	2	40523.7820	-.0788	.1000		.	v	.	
19	6098	qR	2	1	2	60786.1370	-.0094	.0300		.	v	.	
20	6099	qR	3	1	2	81048.8670	.0102	.0600		.	v	.	
21	6100	qR	4	1	2	101312.1570	.0277	.0900		.	.	v	.
22	6101	qR	5	1	2	121576.0840	-.0098	.0600		.	v	.	
23	6102	qR	6	1	2	141840.8400	-.0255	.0600		.	v	.	
24	6103	qR	2	-2	-2	60788.0220	.1036	.0300		.	.	*	.
25	6104	qR	3	-2	-2	81050.0540	.0652	.0600		.	x	.	
26	6105	qR	4	-2	-2	101311.6080	.0364	.0900		.	v	.	
27	6106	qR	5	-2	-2	121572.5560	.0113	.0600		.	v	.	
28	6107	qR	6	-2	-2	141832.8240	.0378	.0600		.	v	.	
29	6108	qR	2	2	2	60789.7710	-.0199	.0300		.	v	.	
30	6109	qR	3	2	2	81054.6920	.0235	.0600		.	v	.	
31	6110	qR	4	2	2	101320.9440	.0183	.0900		.	v	.	
32	6111	qR	5	2	2	121588.9500	.0505	.0600		.	.	v	.
33	6112	qR	6	2	2	141858.9320	.0141	.0600		.	v	.	
34	6113	qR	3	3	2	81052.0360	.0624	.0600		.	x	.	
35	6114	qR	4	3	2	101315.7210	.0902	.0900		.	.	x	.
36	6115	qR	5	3	2	121579.7780	.0438	.0600		.	.	v	.
37	6116	qR	6	3	2	141844.4600	.0795	.0600		.	.	x	.
38	6117	qR	4	4	2	101310.4320	.1119	.0900		.	.	x	.
39	6118	qR	5	4	2	121573.2860	.1441	.0600		.	.	*	.
40	6119	qR	6	4	2	141836.4920	.1138	.0600		.	.	x	.
41	6120	qR	5	5	2	121561.1380	.1215	.0600		.	.	*	.
42	6121	qR	6	5	2	141822.1100	.1252	.0600		.	.	*	.
43	6122	qR	6	6	2	141801.6860	.4912	.5000		.	.	.	v
44	6123	qR	1	1	-2	40514.0590	-.0838	.0300		.	*	.	.
45	6124	qR	2	1	-2	60771.7250	-.0725	.0300		.	*	.	.
46	6125	qR	3	1	-2	81029.8590	-.2929	.2000		x	.	.	.
47	6126	qR	4	1	-2	101289.2520	-.1854	.0900		*	.	.	.
48	6127	qR	5	1	-2	121549.6580	-.2214	.0600		*	.	.	.
49	6128	qR	6	1	-2	141811.4080	-.2835	.0600		*	.	.	.
50	6129	qR	2	2	-2	60759.6020	-.0657	.0300		.	*	.	.
51	6130	qR	3	2	-2	81014.2820	-.0430	.0600		.	v	.	.
52	6131	qR	4	2	-2	101270.1330	-.0794	.0900		.	v	.	.
53	6132	qR	5	2	-2	121527.5380	-.0931	.0600		.	x	.	.
54	6133	qR	6	2	-2	141786.7660	-.1017	.0600		.	x	.	.
55	6134	qR	3	3	-2	80993.7330	-.0534	.0600		.	v	.	.
56	6135	qR	4	3	-2	101245.3590	-.0305	.0900		.	v	.	.

6136 qR 5 3 -2	121499.0440	-.0539	.0600	.	v.	.	
6137 qR 6 3 -2	141755.3740	.0643	.2000	.	v	.	
6138 qR 4 4 -2	101213.6070	.0160	.0900	.	v	.	
6139 qR 5 4 -2	121463.0880	.0092	.0600	.	v	.	
6140 qR 6 4 -2	141716.2400	-.0144	.0600	.	v	.	
6141 qR 5 5 -2	121416.4100	.1883	.0600	.	.	*	
6142 qR 6 5 -2	141667.9880	.1946	.0600	.	.	*	

99.it. step StDev : 1.39916E+00

	Data file	All / NZW	STD cm-1	MHz	Std/N
1	nu8.wn	2705	2705	1.40E-04	4.21E+00
2	2nu80_a.wn	1202	1202	2.29E-04	6.86E+00
3	2nu80h.wn	933	933	2.38E-04	7.15E+00
4	2nu82h.wn	966	966	2.84E-04	8.51E+00
5	MeNC_v8.fre	96	96	7.86E-07	2.36E-02
6	MeNC_v82.fr+	42	42	2.35E-06	7.05E-02
7	MeNC_v82.fr-	28	28	6.38E-06	1.91E-01
8	MeNC_v80.fre	36	36	3.19E-06	9.56E-02
9	MeNC_v8.fr0	55	55	1.03E-06	3.10E-02
10	MeNC_v88.fr0	79	79	2.58E-06	7.74E-02
					1.03E+00

	Adjusted parameters	cm-1	error	MHz	err_%
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2	B0	3.3532817044D-01		1.0052885645D+04	
3	A0	5.2472340000D+00		1.5730811786D+05	
4	DJ0	1.5651018040D-07		4.6920571684D-03	
5	DJK0	7.5892924440D-06		2.2752126363D-01	
6	DK0	8.5626000000D-05		2.5670029009D+00	
7	HJ0	-2.7357071869D-14		-8.2014438193D-10	
8	HJK0	7.9758079847D-11		2.3910870803D-06	
9	HKJ0	2.0772630291D-10		6.2274778941D-06	
11	LJ0	1.8231373120D-18		5.4656281604D-14	
12	LJK0	-9.7065996268D-16		-2.9099653609D-11	

31	E	8	2.6731941492D+02 / 1.0717372D-05	8.0140344471D+06	.000004
32	B	8	3.3663134670D-01 / 6.1187973D-09	1.0091953887D+04	.000002
33	A	8	5.2472537062D+00 / 6.1679193D-07	1.5730870863D+05	.000012
34	DJ0	8	1.6295581364D-07 / 5.7995373D-12	4.8852923916D-03	.003559
35	DJK0	8	7.5924062782D-06 / 1.4930939D-10	2.2761461403D-01	.001967
36	DK0	8	8.5556213459D-05 / 7.6249142D-09	2.5649107530D+00	.008912
37	HJ0	4.5793795416D-15 / 1.0874666D-15	1.3728634489D-10	23.747030	
38	HJK	8	7.8727419942D-11 / 2.8285681D-14	2.3601886736D-06	.035929
39	HKJ	8	2.0337222392D-10 / 7.4696977D-13	6.0969458899D-06	.367292
40	HK	8	4.2087260364D-11 / 2.3229690D-11	1.2617443235D-06	55.194113
41	LJ0	1.8231373120D-18	5.4656281604D-14		
42	LJK0	-9.7065996268D-16	-2.9099653609D-11		
46	Adz	8	4.8702548295D+00 / 1.3093806D-06	1.4600656664D+05	.000027
47	EtaJ	8	1.9601735000D-05 / 1.0485712D-09	5.8764523166D-01	.005349
48	EtaK	8	3.3784704701D-04 / 3.3329153D-08	1.0128399665D+01	.009865
49	TauJ	8	-2.3476009823D-10 / 4.4965805D-13	-7.0379306889D-06	.191539
50	TauJK8	-1.4869331287D-09 / 6.6615888D-12	-4.4577133753D-05	.448009	
56	E	80	5.2463313292D+02 / 1.5325621D-05	1.5728105647D+07	.000003
57	B	80	3.3794298985D-01 / 1.2907825D-08	1.0131275959D+04	.000004
58	A	80	5.2481717736D+00 / 1.5176876D-06	1.5733623160D+05	.000029

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3 59 DJ0 80 1.6968392184D-07 / 1.2667753D-11 5.0869960011D-03 .007465  
4 60 DJK080 7.6403276046D-06 / 7.4740078D-10 2.2905125925D-01 .009782  
5 61 DK0 80 8.2815000637D-05 / 4.1680128D-08 2.4827312600D+00 .050329  
6 62 HJ0 -2.7357071869D-14 -8.2014438193D-10  
7 63 HJK 80 1.3378365448D-10 / 2.1048186D-13 4.0107330618D-06 .157330  
8 64 HKJ 80 1.1728136350D-09 / 8.2603825D-12 3.5160068242D-05 .704322  
9 65 HK 80 -4.8672887179D-08 / 3.4131431D-10 -1.4591764485D-03 .701241  
10 66 LJ0 1.8231373120D-18 5.4656281604D-14  
11 67 LJJK0 -9.7065996268D-16 -2.9099653609D-11  
12  
13 71 E 82 5.4529538735D+02 / 2.0160421D-05 1.6347544451D+07 .000004  
14 72 B 82 3.3789992395D-01 / 9.0557013D-09 1.0129984876D+04 .000003  
15 73 A 82 5.2461393966D+00 / 1.7195550D-06 1.5727530247D+05 .000033  
16 74 DJ 82 1.6954403699D-07 / 9.9316066D-12 5.0828023588D-03 .005858  
17 75 DJK 82 7.5967189066D-06 / 4.6583712D-10 2.2774390337D-01 .006132  
18 76 DK 82 8.4744950103D-05 / 3.7944518D-08 2.5405896895D+00 .044775  
19 77 HJ0 -2.7357071869D-14 -8.2014438193D-10  
20 78 HJK 82 3.0044396565D-11 / 2.6990821D-13 9.0070834953D-07 .898365  
21 79 HKJ 82 1.5418565511D-10 / 3.9205368D-12 4.6223696534D-06 2.542738  
22 80 HK 82 -2.4635382870D-09 / 1.8195403D-10 -7.3855019845D-05 7.385882  
23 81 LJ0 1.8231373120D-18 5.4656281604D-14  
24 82 LJJK0 -9.7065996268D-16 -2.9099653609D-11  
25 86 Azet82 4.8720352909D+00 / 1.3611844D-06 1.4605994353D+05 .000028  
26 87 EtaJ82 1.9607980586D-05 / 8.8386197D-10 5.8783246964D-01 .004508  
27 88 EtaK82 3.3637543720D-04 / 6.4417957D-08 1.0084281913D+01 .019151  
28  
29 146 q22 8 2.3151525205D-04 / 4.1240831D-09 6.9406526475D+00 .001781  
30 147 q22J 8 -1.4399095035D-09 / 3.3116954D-12 -4.3167400937D-05 .229993  
31 151 q22JJ8 1.0577217037D-14 / 5.9001782D-16 3.1709698944D-10 5.578195  
32 155 q22 88 2.3244419105D-04 / 2.5292422D-09 6.9685015383D+00 .001088  
33 156 q22J88 -1.4604537268D-09 / 1.5287093D-12 -4.3783301255D-05 .104674  
34 177 Frm812 7.9415225965D-01 / 2.2133286D-04 2.3808085795D+04 .027870  
35 178 FrJ812 -7.6939324159D-06 / 6.3344912D-08 -2.3065829106D-01 .823310  
36 189 C28-88 1.5835826429D-06 / 4.1932097D-08 4.7474613296D-02 2.647926  
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