

$$\tilde{Z}^t(T) \bmod \mathcal{H}(r) = \exp_{\sqcup} \left(\begin{array}{c} \vdots \\ 1^+ \\ \vdots \\ 1^- \\ \vdots \end{array} + \begin{array}{c} \vdots \\ 1^- \\ \vdots \\ r \end{array} \right) \sqcup \exp_{\sqcup} \left(\frac{1}{2} \begin{array}{c} 1^+ \quad 1^- \\ \diagdown \quad \diagup \\ \vdots \\ r \end{array} + (\text{i-deg} \geq 2) \right).$$