

$$\log \left(\tilde{Z}^s(c(h)) \right) = \left(\sum_{i=1}^g \left(\begin{array}{c} \bullet \\ \vdots \\ \bullet \end{array} \begin{array}{c} i^+ \\ \vdots \\ i^- \end{array} \right) \right) - \left(\eta^{-1} \tau_1^a(h) \right) | a_i \mapsto i^- .$$