

$$\begin{array}{c}
 q=1 - \prod_{l=0}^{d-1} p_l \quad \quad \quad p = \prod_{l=0}^{d-1} p_l \\
 \diagup \quad \quad \quad \diagdown \\
 \mathcal{C}_{g-d}(p_d)
 \end{array}$$

(a) $\mathcal{R}_{g,d}$