$$\Theta = \begin{pmatrix} \theta_1 & \theta_2 & \cdots & \theta_{64} \\ \theta_{65} & \theta_{66} & \cdots & \theta_{128} \\ \vdots & \vdots & \ddots & \vdots \\ \theta_{448} & \theta_{449} & \cdots & \theta_{512} \end{pmatrix}$$

$$\Theta = \begin{bmatrix} \theta_{\#\text{ gains}} & \theta_{\#\text{ loss}} & \theta_{\text{specialization}} & \theta_{\text{one sibling unchanged}} \end{bmatrix}$$