$$Q_{stb} = q_{a_1} a_1 + q_{a_2} a_2 + q_{a_3} a_3$$

$$y$$

$$\tilde{Q}_{stb} = Q_{stb} * \mu(1) = q_{a_1} a_1$$

$$\mu(1) = \begin{bmatrix} 1 & 0 & 0 \end{bmatrix}$$

$$x$$

$$z$$