$$q_{1} = 0$$

$$Q_{1} = k_{12}$$

$$S_{a} = 0$$

$$Q_{1} = k_{12}$$

$$S_{b} = k_{b}$$

$$S_{b} = k_{b}$$

$$Q_{2} = k_{22}$$

$$S_{b} = k_{b}$$

$$S_{b} = k_{b}$$

$$S_{b} = k_{b}$$