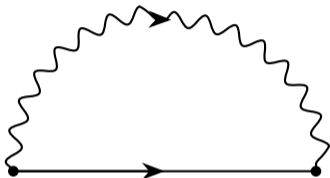
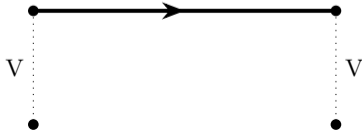


$$i \longrightarrow j = i \longrightarrow j + i \longrightarrow \begin{array}{c} k \quad l \\ \circ \quad \circ \\ \Sigma \end{array} \longrightarrow j$$



phonon
emission

$$\begin{array}{c} k \quad l \\ \circ \quad \circ \\ \Sigma \end{array} = \text{or}$$



exploration
to the leads