2. $\begin{cases} P = a - bQ \\ MC = C + eQ \end{cases}$

$MR \overset{Q^*}{=} MC$

$\pi = TR - TC$

$= (a - bQ) \times Q - \square$

$\frac{d\pi}{dQ} = 0 \Rightarrow MR = MC$

$a - 2bQ = C + eQ$

$Q^* = \frac{a-C}{2b+e}$

$a - C = eQ + 2bQ$

$= (2b + e)Q$

$P^* = a - bQ^*$

$= a - b \times \frac{a-c}{2b+e}$

$\begin{cases} P^* = \frac{ab + ae + bc}{2b+e} \\ Q^* = \frac{a-c}{2b+e} \end{cases}$