

# Match All Queries with All Keys

Input

Embedding

Queries

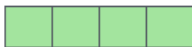
Keys

Values

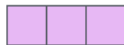
Score

Thinking

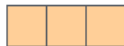
$x_1$



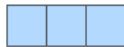
$q_1$



$k_1$



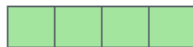
$v_1$



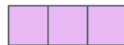
$$q_1 \cdot k_1 = 112$$

Machines

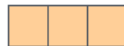
$x_2$



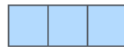
$q_2$



$k_2$



$v_2$



$$q_1 \cdot k_2 = 96$$