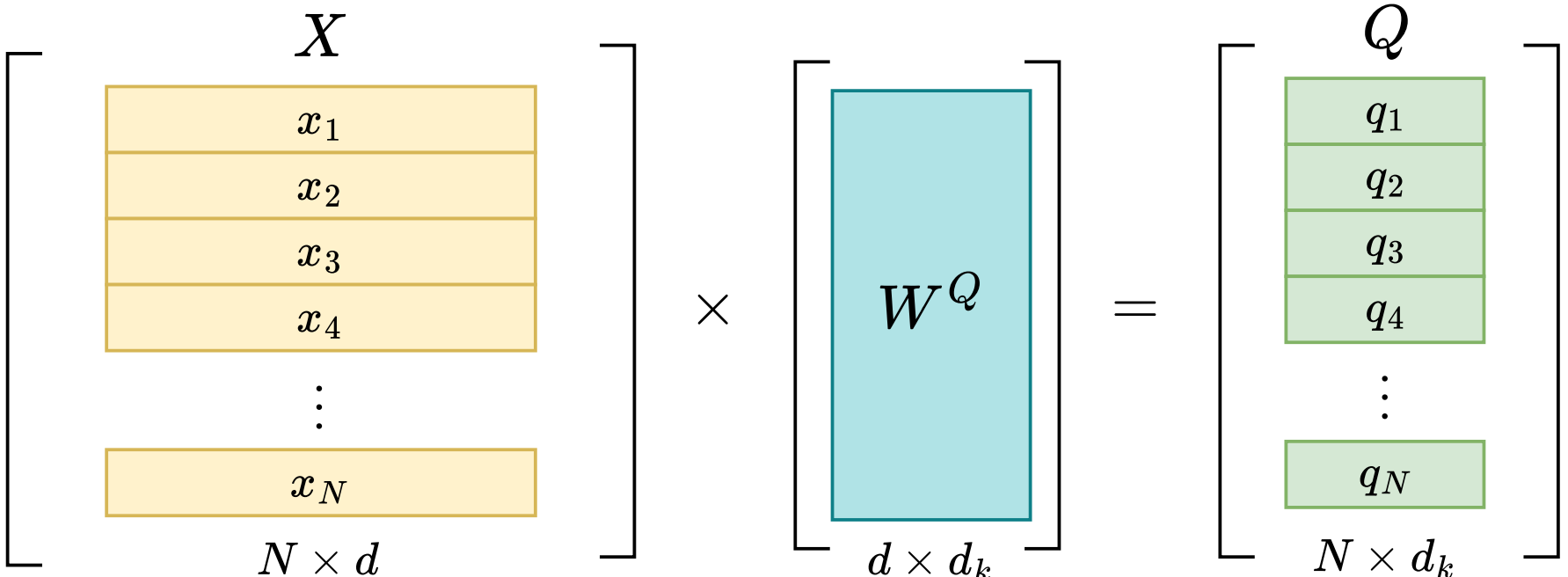
X
x_1
x_2
x_3
x_4
x_N
$N \times d$
W^Q
$d \times d_k$
Q
q_1
q_2
q_3
q_4
q_N
$N \times d_k$