



Diagram illustrating the resulting matrix  $W$  (gray) with dimensions  $n \times k$ .

The matrix  $W$  is structured as follows:

	$h_1$	$h_2$	$h_3$	$h_k$
$q_1$	1	?	10	?
$q_2$	3	?	?	...
$q_3$	10	2	?	20
$q_n$	5	?	50	...

The matrix  $W$  is approximated by the product of  $Q$  and  $H$ .