

## Input Window

Text	cat	sat	on	the	mat
Feature 1	$w_1^1$	$w_2^1$	...		$w_N^1$
⋮					
Feature K	$w_1^K$	$w_2^K$	...		$w_N^K$

## Lookup Table

$LT_{W^1}$   $\rightsquigarrow$

⋮

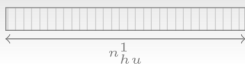
$LT_{W^K}$   $\rightsquigarrow$



concat

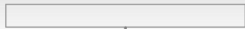
## Linear

$M^1 \times \odot$   $\rightsquigarrow$



## HardTanh

$\rightsquigarrow$



## Linear

$M^2 \times \odot$   $\rightsquigarrow$

