

Weights
dim = (F,F)

$W_{1,1}$...	$W_{1,F}$
...		...
$W_{F,1}$...	$W_{F,F}$

Initial Data
(features)
dim = (I,K)

$X_{1,1}$...	$X_{1,F}$...	$X_{1,K}$
...	
$X_{F,1}$...	$X_{F,F}$...	$X_{F,K}$
...	
$X_{I,1}$...	$X_{I,F}$...	$X_{I,K}$

Output, dim = (I-F+1, K-F+1)