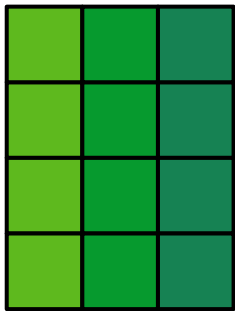


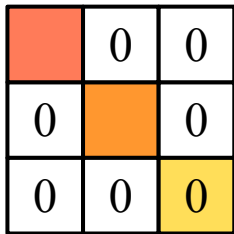
$\mathbf{S}$   
 $n \times k$

$=$



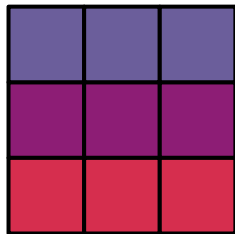
$\mathbf{U}_k$   
 $n \times m$

$\times$



$\Sigma_k$   
 $m \times m$

$\times$



$\mathbf{V}_k^H$   
 $m \times k$