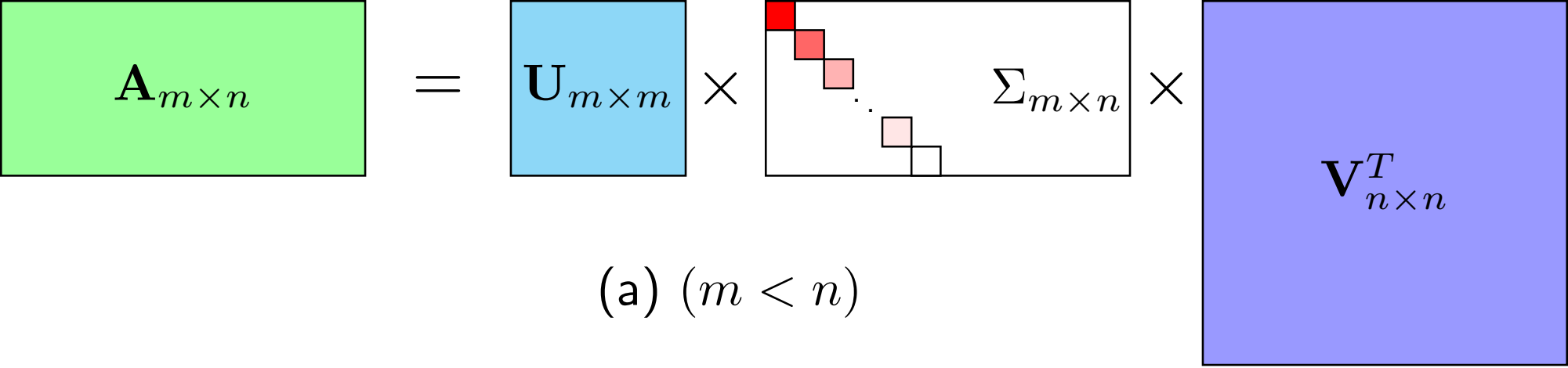
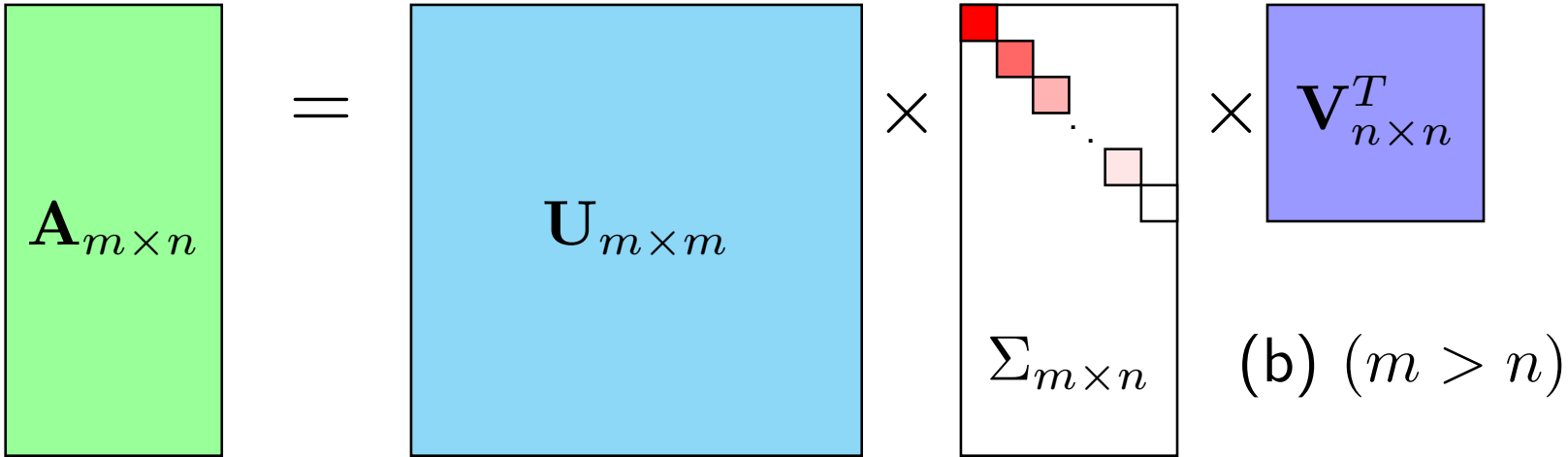

$\mathbf{A}_{m\times n}$
=
$\mathbf{U}_{m\times m}$
×
$\Sigma_{m\times n}$
×
$\mathbf{V}^T_{n\times n}$

(a) $(m < n)$


$\mathbf{A}_{m\times n}$
=
$\mathbf{U}_{m\times m}$
×
$\Sigma_{m\times n}$
×
$\mathbf{V}^T_{n\times n}$

(b) $(m > n)$