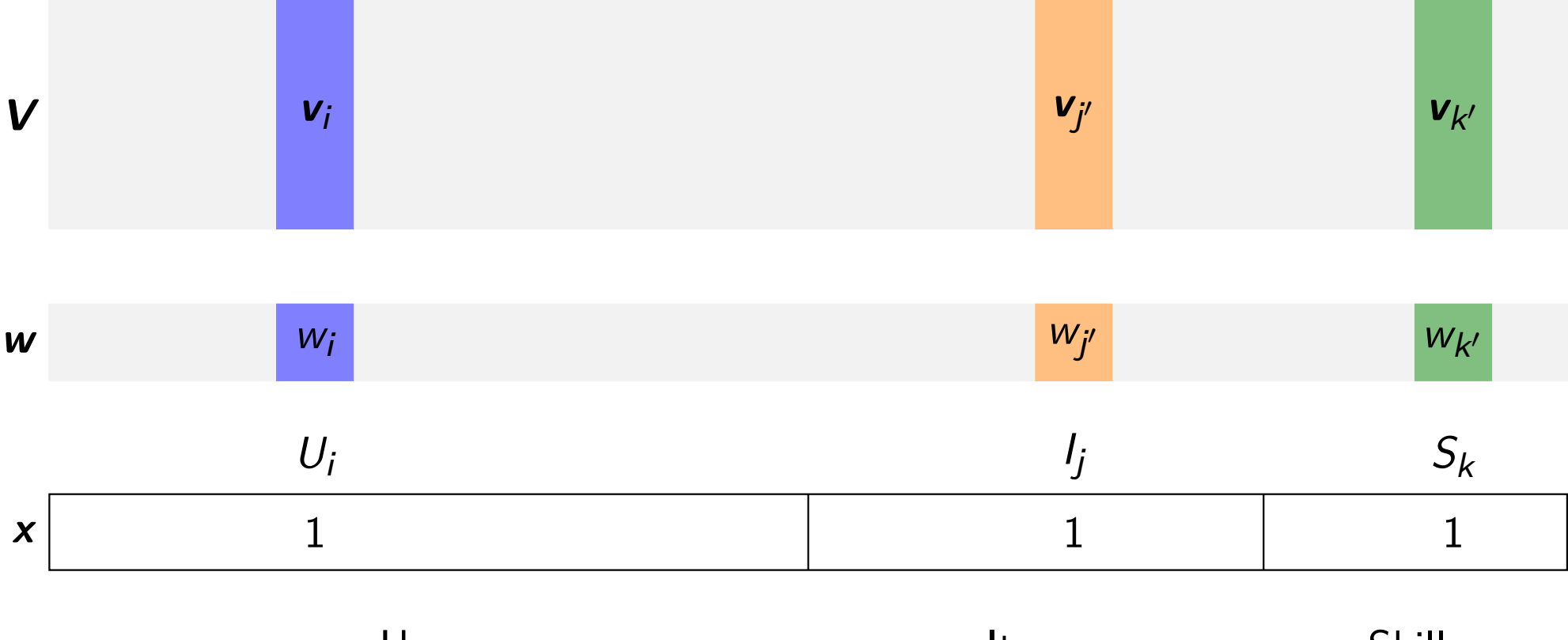
$\boldsymbol{V}$
$\boldsymbol{v}_i$
$\boldsymbol{v}_{j'}$
$\boldsymbol{v}_{k'}$
$\boldsymbol{w}$
w_i
$w_{j'}$
$w_{k'}$
U_i
I_j
S_k
$\boldsymbol{x}$
1
1
1
Users
Items
Skills