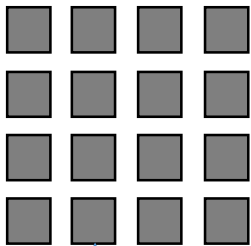
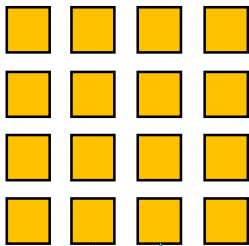


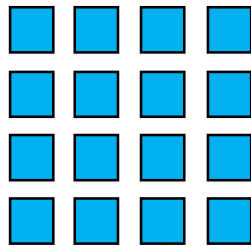
Word Output  
Matrix  $V$



Word Input  
Matrix  $W$



User Emb  
 $U$



If co-occurred

If authored