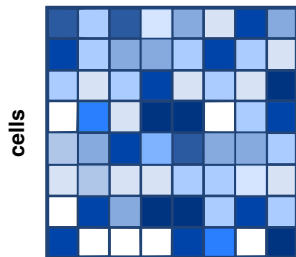
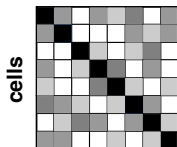


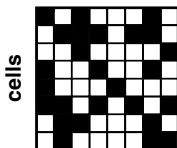
gene expression
genes



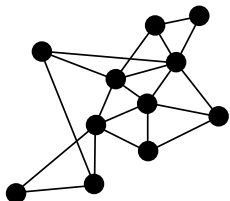
SNN
cells



KNN
cells



module

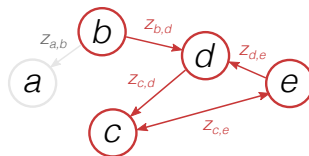


upper bound

k

Maximize $\sum_{(i,j) \in E} \mathbf{z}_{i,j} \mathbf{x}_{i,j}$ subject to linear constraints

Initial solution

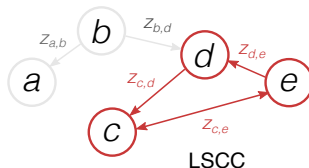


selected	
cell	edge
x_b	$x_{b,d}$
x_c	$x_{d,e}$
x_d	$x_{c,d}$
x_e	$x_{c,e}$



Find largest strongly connected component (LSCC)

Refined solution



selected	
cell	edge
x_c	$x_{d,e}$
x_d	$x_{c,d}$
x_e	$x_{c,e}$

