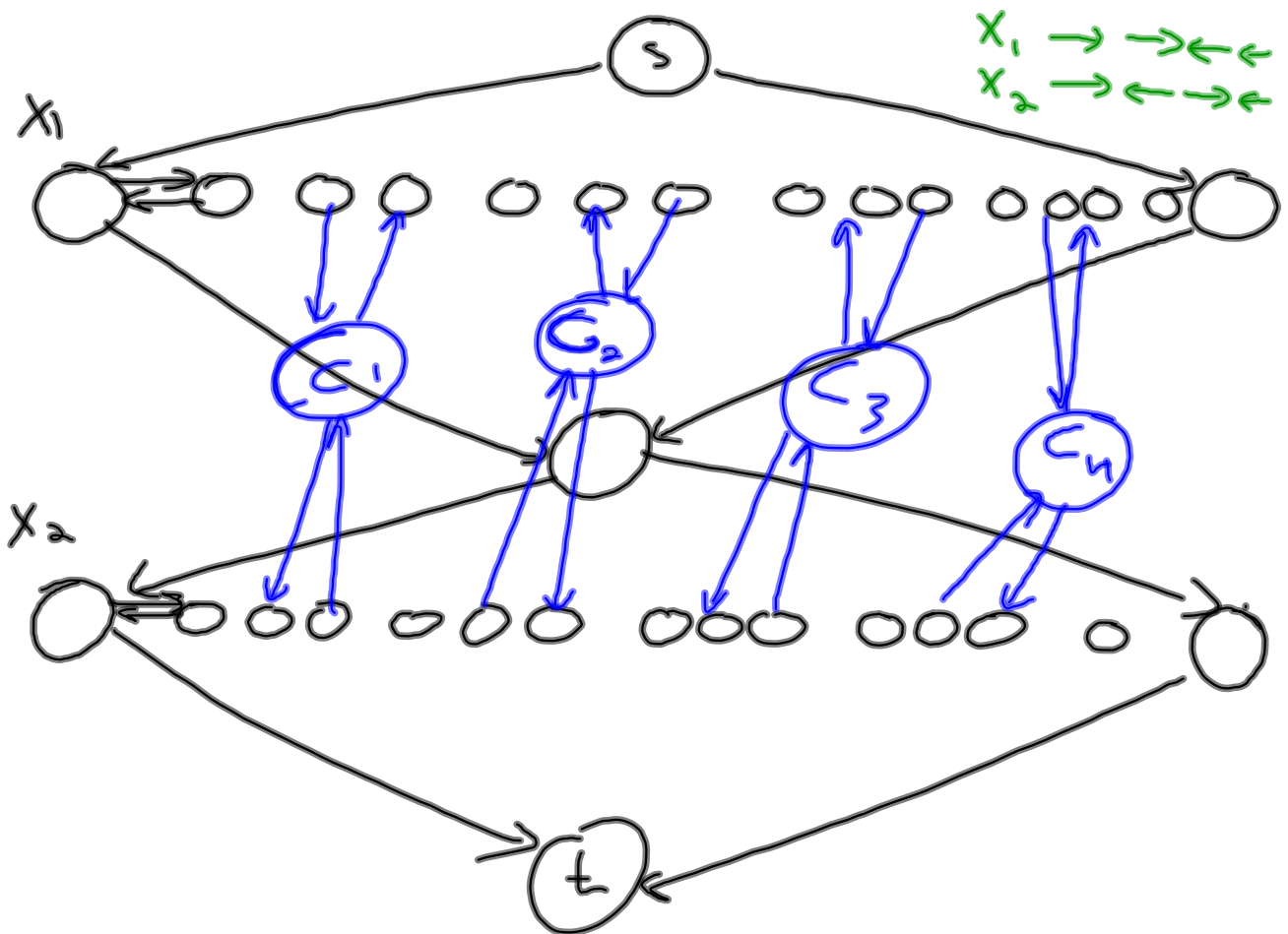
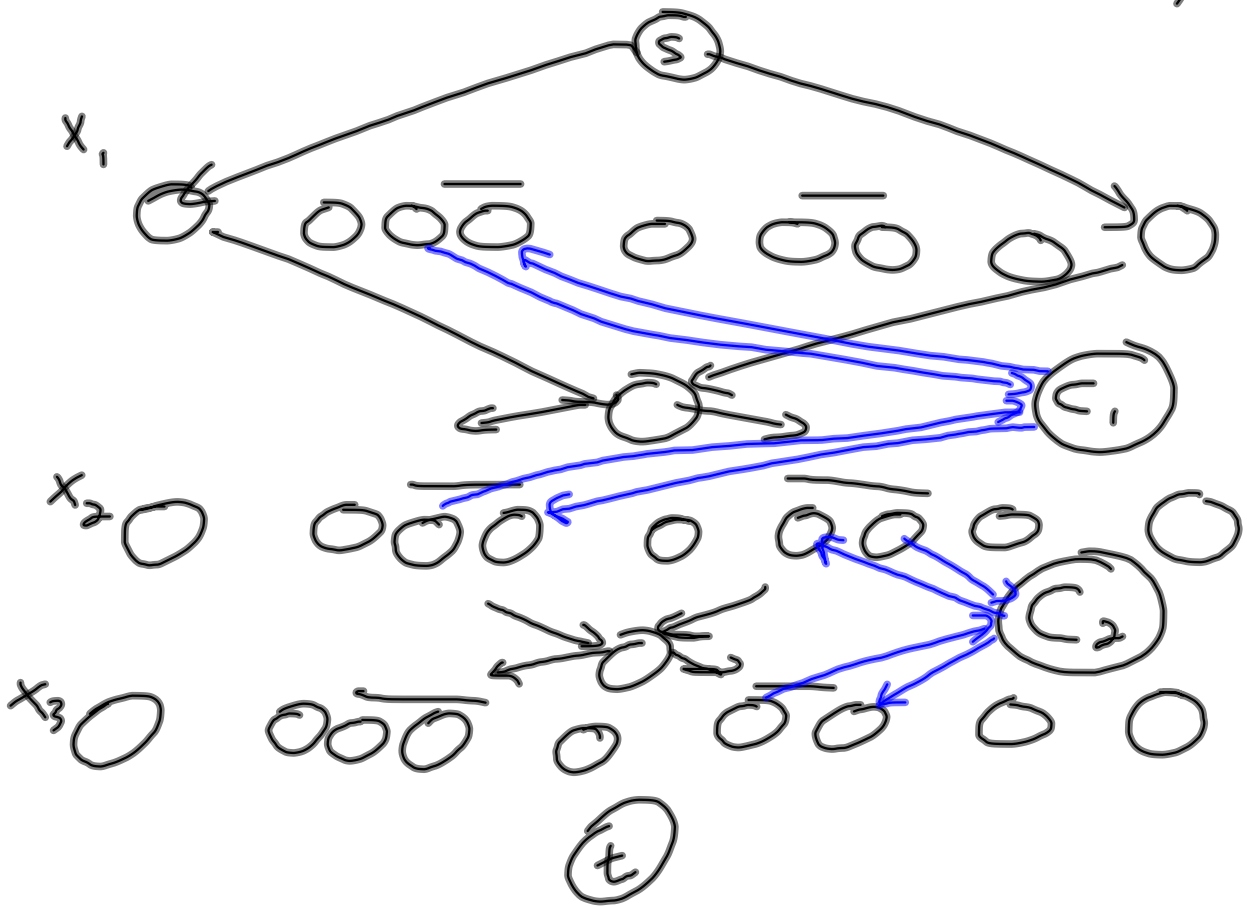


$$\Phi = (x_1 \vee \bar{x}_2 \vee \bar{x}_2) \wedge (\bar{x}_1 \vee x_2 \vee x_2) \wedge (\bar{x}_1 \vee \bar{x}_2 \vee \bar{x}_2) \wedge (x_1 \vee x_2 \vee x_2)$$

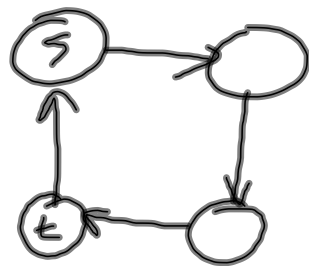
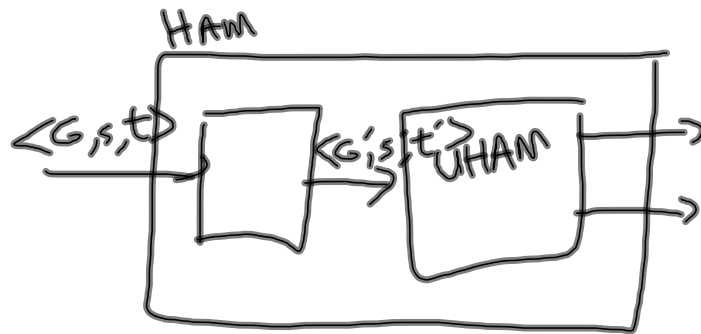


$$\Phi = (X_1 \vee \bar{X}_1 \vee X_2) (\bar{X}_2 \vee X_3 \vee \bar{X}_3)$$

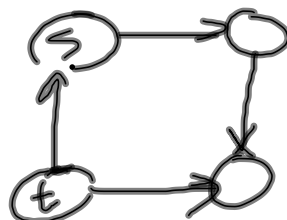


$UHAMPATH = \{ \langle G, s, t \rangle \mid \text{undirected graph } G \text{ has a Ham. path from } s \text{ to } t \}$

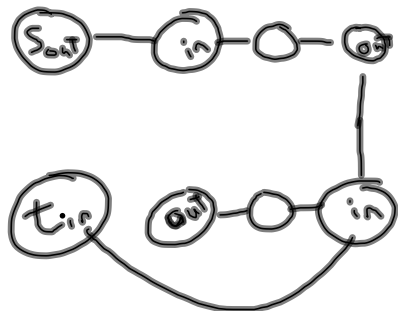
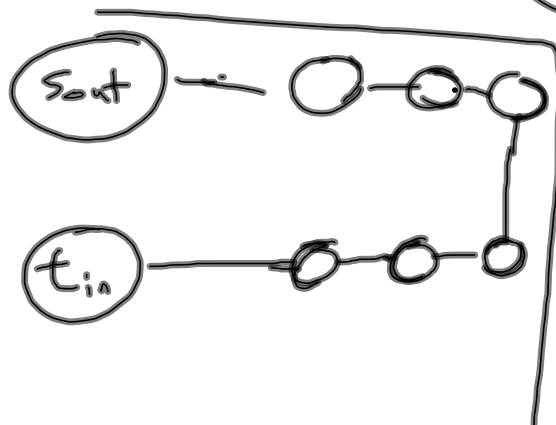
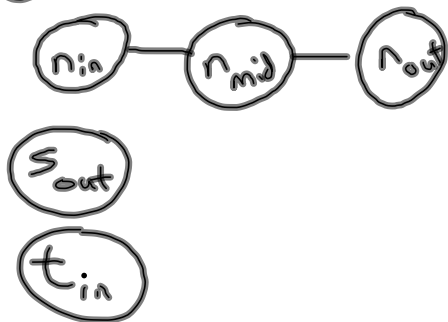
$HAMPATH \leq_p UHAMPATH$



G:



G':



TSP - traveling salesman

- list of cities

- list of distances

- value B

Is there a "tour" of all cities less than dist B ?

UHAMPATH

