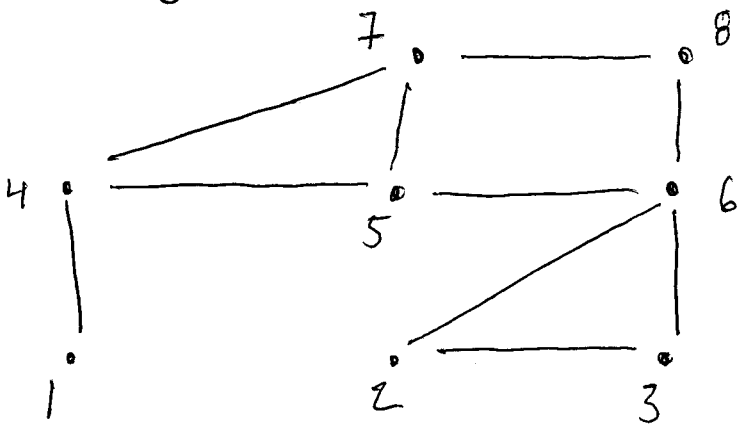
AM 169 Assignment 7 (due 11/29/00)
(assigned 11/13/00)

Dynamic Programming on General Graphs

G:



$$P(x) = K\left(\frac{1}{1+|x_1-x_4|}\right)\frac{(x_4\cdot x_7)^{x_5}}{x_5!}e^{-x_4x_7}\cdot e^{\{-(x_7-x_8)^2-(x_5-x_6)^2-(x_6-x_8)^2\}}\cdot e^{-x_2x_3x_6}\cdot e^{x_2x_6}.$$

state space $S = \{1, 2, \cdots, 10\}$

1) Find $\arg\max P(x)$. (Use logs)

2) Compute K.