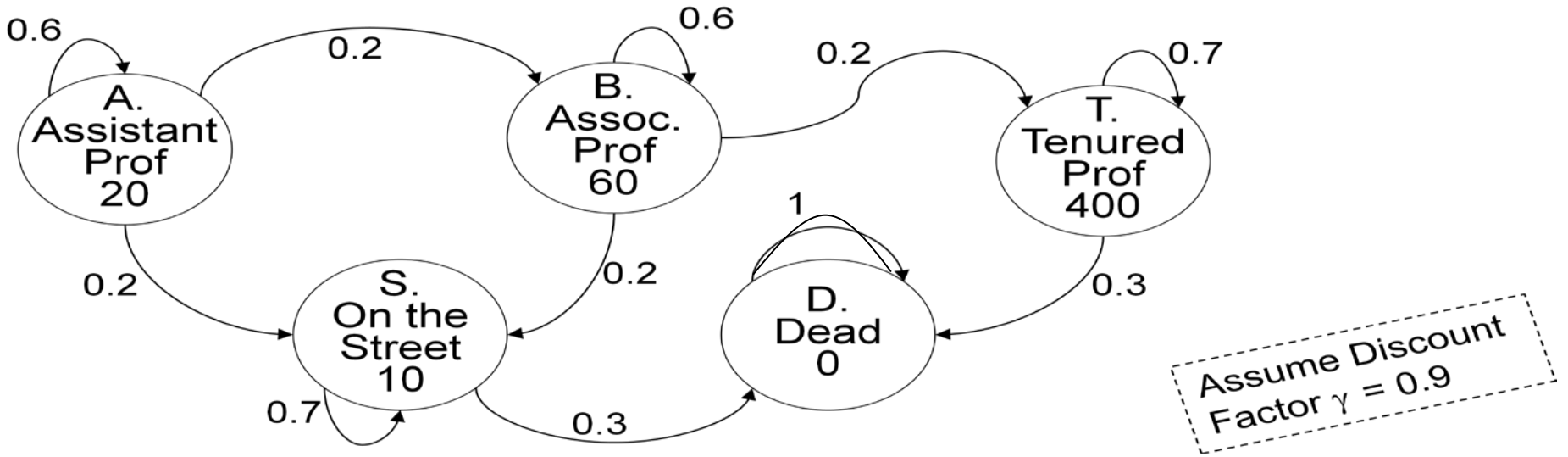
Tutorial week 4

Value iteration



Questions:

- Write the reward vector, R
- Write the transition probability matrix, P
- Set gamma = 0.9, fill the table on the next page
- Write an algorithm which computes the J values until k = 30.

k	J_K(Assist.Prof)	J_K(Assoc.Prof)	J_K(Tenured Prof)	J_K(On the street)	J_K(Dead)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

Homework:

- Write a program which computes the J values until k = 30.
- Plot each J value with respect to k and describe the result.
- You can use any programming language or software for this task.