

Qn II (10pt) [Mooney] Consider the following ratings matrix for five users and five items—with the 5th user—in the last column—being the active user. ~~The pearson correlation coefficients of the first four users with respect to the active user are already calculated for you and given in the row titled “Cij”~~ Using the technique for collaborative filtering discussed in the class and in the homework, compute the ratings for D and E for the active user. Use two closest neighbors in the calculation. Assume that the significance weights are uniformly set to 1.

Item	User1	User2	User3	User4	Active User
A	10	5	9		9
B	6	9		5	5
C	2	7	3		1
D	4	8	3	3	
E	8	1	9	2	
Cij	1	-0.5	1	1	