HW2 Solutions

Q1)

a. JACCARD Similarity between user X and user Y

Sim (user1, user2) =
$$\frac{3}{6}$$

Sim (user1, user3) = $\frac{2}{6}$
Sim (user2, user3) = $\frac{3}{6}$

b) cosine similarity between yer x and yer y

$$Sim (werl, wer2) = 0.61$$

 $Sim (werl, wer3) = 0.51$
 $Sim (wer2, wer3) = 0.61$

c) Normalized Matrix

d)
$$SIM(uger1, uger2) = 0.72$$

 $SIM(uger1, uger3) = 0.07$
 $SIM(uger1, uger3) = -0.55$