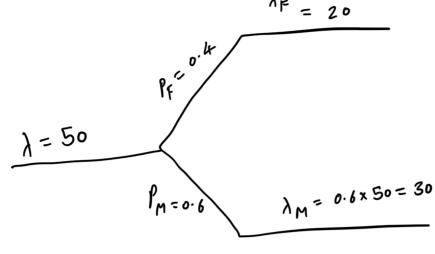
Simulation 3

70% between [40,60] 40% female & λ== 0.4x50



Combined forobability To get the P FE[40,60] = P F X P [40,60] $= 0.4 \times 0.7$

= 0.28

0.28x 50

In the simulation, I use the total number of female = 14x5 = 70 as the much in a poisson distribution and obtain samples they are greater than from it and check if 80. I grue the simulation 10000 times and got the perobability of 0.1085 which is close to 0.1066.