**GMDL, HW#3**אורן יקואל – 208727164  
יונתן לויטס - 336132014  
גל אלון - 318512910

F1

F2

F3

With the attached code, we calculated the marginals and those are our results:

𝑝(𝑖) = [0.7 0.3]  
𝑝(𝑑) = [0.6 0.4]  
𝑝(𝑔) = [0.362 0.2884 0.3496]  
𝑝(𝑠) = [0.725 0.275]  
𝑝(𝑙) = [0.497664 0.502336]