BH bad heart .2

GH good hear .8

SP Stress test pass

SF Stress test fail

P(SP/GH)=.9 therefore P(SF/GH)=.1

P(SP/BH)=.05 therefore P(SF/BH)=.95

P(BH/SF)=???

P(BH/SF)=P(SF/BH)\*P(BH)/( P(SF/BH)\*P(BH)+P(SF/GH)\*P(GH)=