Q5. The Three models with Pi, 3 = true have possibilition 0.0001, 0.0099, 0.0099. The two models with P1,3 false have prob. 0.0001 and 0.0099. Then, P(P13 | known, b) = or (0.01(0.0001+0.0099+0.0099), 0.99 (0.000 1+0.0099)>  $= \alpha (199 \times 10^{-4})$ =  $\left\langle \frac{1.99}{100.99}, \frac{99}{100.99} \right\rangle = \left\langle 1.9705, 98.0295 \right\rangle$ P(p22 | known, b)= a (0.01(0.000) + 0.0099 + 0.0099+0.980) (0.99×0001)  $= \times \langle 10^{-2}, 0.99 \times 10^{-4} \rangle = \langle 10^{-2} \\ 10^{-2} + 0.99 \times 10^{-4} \rangle = \langle 10^{-2} \\ 10^{-2} + 0.99 \times 10^{-4} \rangle$ =  $(\frac{1}{1+1.0099}, \frac{0.0099}{1.0099})$ = (99.0197/2, 0.9803/2) P22 is certain death with 999. . a logistic person has equal prob. of choosing each one at p=1but a probabilistie person will chose pit (1,3) or [3,1] as each have probability of 1.97% of facing death.