i) HTTH H > 0.5 T-30.5 P(HTTH)=0.5 XD.5 XO.5 XD.5 = 10.625 for all 3 patters 2) Proposition P (not choosing a man) = 1- P (choosing a may) $=1-\left(\frac{21}{25}\right)=\left[0.54\right]$ 3) P(plane crash) = 0.005x/ P(Bernice travel) = lox. both are independent so, P(berudce) & P(plane crash) = 1 0.005 X0.10 = 0.0005 t) The survey only has 5%. of asking users to do survey. people who browse This leaves the users who brows e for shorter time.