عماله الحرول lack 23 Conditional PRobability P (Positive Mcancer Fo. 9 Medical example P(cancer) = 0.1 P(negative | concer): 0. Q1 : P(7 Cancer) = 1 - 0.1 = 0.9 Po contegisation regulation limited P. (Positive 7 Can Cer) = 0.2 P(negative /7 Cancer) = 0.8 the table for " Cancer or Not " Positive or regativen Q4: P(Positive Resultin for Positive = 0-09+0- B= 0.9 *0. 10.09 -0.2×0.9-0.18 0.8 x 0.9 0. FZ * P(P) = P(P(C), P(C) + P(P(7C), P(7C) Total Probability as: for Two Coins @ B-oB(H)=0.9 mil sice als is a do is a P(T)=0.5 a Kilotalia (1)=0.5 (P(2)=0.5 P2(T)=0.1 "Xolob" at the property of the grade the 0.5 x 0.5-0.25 \$ P(H)=0.25+0.45-0.7 0.5 x 0.5 5 0.25 5:1 P(T) = 1 -0.7 H) 2019 x0.5 - 0.45 DO. 1 + xo. 5 50.05 7; Pfortus Flips P(H,T) 6 P(HI)=0.125+0.045 50.17 P(1) * P(t) * P,(H) s +50.9+0.1+0.5\$ 0.045

