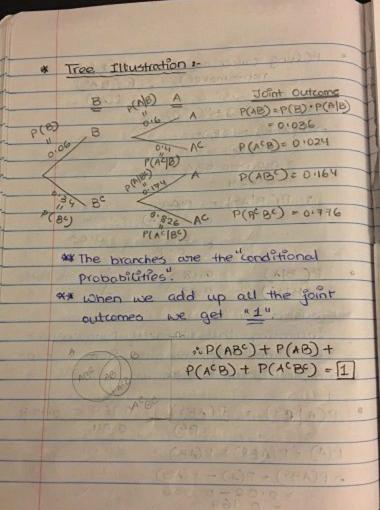
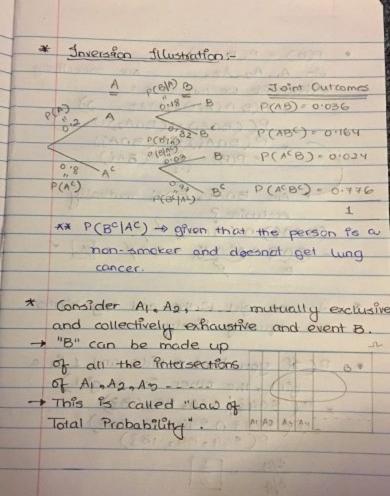


• P(lung cancer among = P(B|AC) non-smoker) P(BAC) P(AC) P(B) = P(AB) + P(ACB) D P(ACB) - P(B)-P(AB) = 0.06-0.036 = 0.024 : P(B|AC) = 0.024 1-P(A) - Axform 0.024 0.03. 6 & Risk Rotto P(BA) 0118 P(B|Ac) 0.03 Emush: Increasing the chance of lung concer "6" times by changing from a nonsmoker to a smoker. 0-164 - 0-174 P(A|BC) = P(ABC) P(Bc) 0.94  $P(A) = P(AB^c) + P(AB)$ > P(AB) = P(A) - P(AB) = 0.02-0.036





		P(B) = P(Bn-A)
		As An As As are conectively
-		exhaustive we can write:
-	-	= P(B n (A, UA2 UA3))
	H	- P((BNA) U(BNA) U)
	1	- P(BOA() + P(BOA))
	6	P(B) = 2 P(8Ai)
	1	<b>\</b>
		Are Briat, Briaj mutually
	13	
	13	(BIAL) n (BOA) - g
		(BOAI) O (BOAI) 2 % BOBOAION, - BOX = [X]
	t	8 9 1
*	1913	Adding a street
	0	Assume girl birtho and boy births
	9	we equally likely.
	-	Charles and a second
	-	(If you had a kids and I is a
		The Ullier of the Contract of
	2	1 2445 3 GG - BG CB 51
	-	P( 3943 0 394, 9B, Baz) = 1(3143)
		P(\$943 0 \$94,98, BQ 2) = 1(8143)
		3/4 - [3]
		3/4 15

Here the -2 = 9 BB, Bq, 4B, 443 Uniform Discreet Probability Vistribution \* Tree Illustration: Switch COF Your Door P(WIPD) 1/6 03