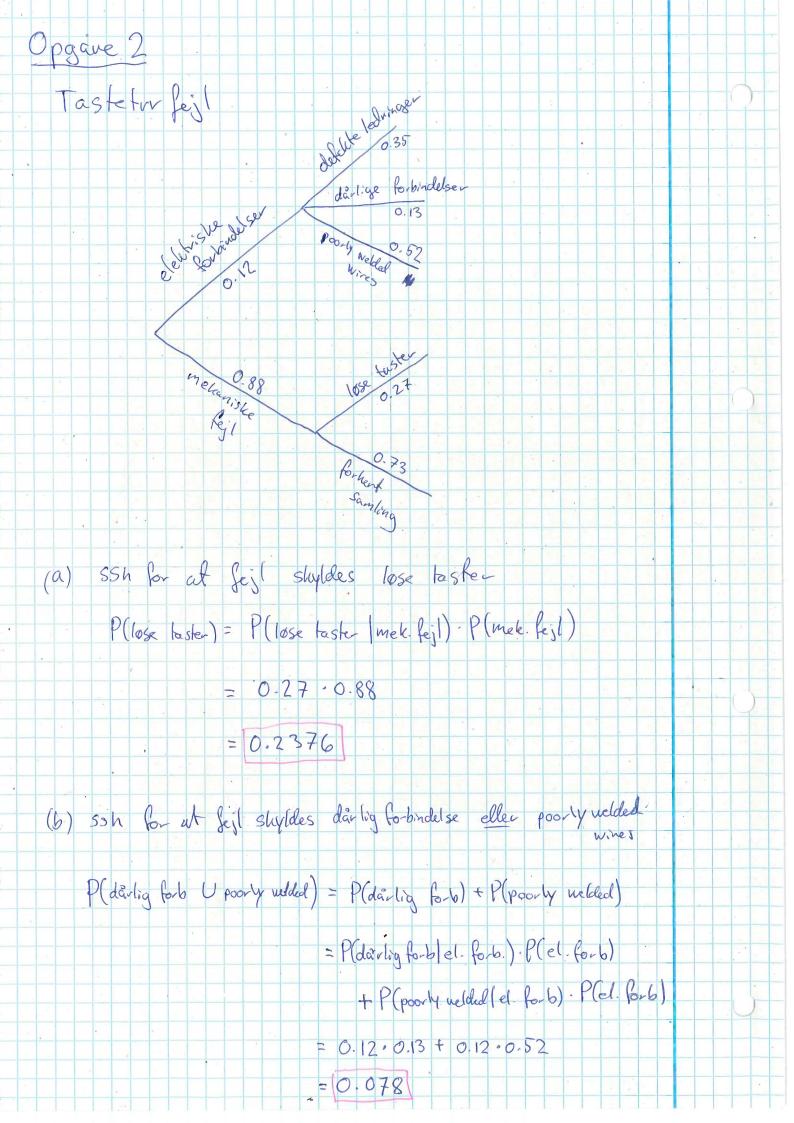
Aflevering 5: Losaina Opaque I mindst en 6'er i 6 teninge bast B: mindst to 6'ene i 12 terningehast C: mindst tre 6'ene i 18 terninge hast  $P(A) = 1 - (\frac{5}{6}) = 0.6651$ Issh for ingen 6'ere i 6 kast  $P(B) = 1 - (\frac{5}{6})^{12} - 12 \cdot \frac{1}{6} \cdot (\frac{5}{6})^{11} = 0.6187$ SSh for 1 25h for præcis ingen G'ere i 12 bas én 6'er i 12 bask i 12 hast  $P(C) = 1 - (\frac{5}{6})^{8} - 18 \cdot \frac{1}{6} (\frac{5}{6})^{7} - \frac{2}{2} (\frac{5}{6})^{6}$  $=1-\left(\frac{5}{6}\right)^{18}-18\cdot\frac{1}{6}\cdot\left(\frac{5}{6}\right)^{17}-\frac{18!}{2!16!}\cdot\left(\frac{1}{6}\right)^{2}\cdot\left(\frac{5}{6}\right)^{16}$ = 0.5973 MM Blandt de tre handelse A, Bog C har handelse A storst sandsynlighed



Opgave 5 Email Spam P(spam) = 0.1 P ("Dear Friend" | spam) = 0.15 P ("Dear Friend" (not spam) = 0.01 P("Dear Friedd") = P("Pear Friend (spain) P(spain) + P("Dear Friend not spain) P(not spain) = 0.15.0.1 + 0.01.0.9 = 0.024 P("Dea-Friend" (span) P(span) (b) P(spam/"Dear Friend") = P("Dear Friend") 0-15-0.1 0.024 = 0.625

Opgane 6						
(a) Grades Learning Social Total	Rural [57] 50 [42]	Suberban 87 42 22	Urban 103 149 26	141 190] 478		
Mach	nozer: ul Total: McMskd: aing Urban	478 - 29		= 90		
Total Grades Grade Social	Suburban:  Rural:  Suburban:  Rural:	178-103 478-149 247-103 2 57+3 149-57-50 90-42-	-178 = -30 -30 -42	151 14 = 57 87		
	fra at l					