<u>L1</u>			
16	1	0.128 + 0.62 ≠ 1	
	2	$P_{r}(L) = 0.35$ $P_{r}(L \cap S) = 0.42$ $P_{r}(L \cap S) \neq P(L)$	
	3	$P_{r}(7) = 0.32$ $P_{r}(6 \cup 7) = 0.27$ $P_{r}(6 \cup 7) \nleq P(7)$	
	4	P-(TV n DW) = 0 41 is too low!	
19	1	Let F be the event that a Fantale is drawn. Let M = a Mintie is drawn.	
		5/8 F 3/7 M	
		3/8 M 5/7 F	
	2	$P_r(F,F) = \frac{5}{8} \times \frac{4}{7} = \frac{20}{56}$	
	3	$P_r(M,M) = \frac{3}{8} \times \frac{2}{7} = \frac{6}{56}$	
	4	$P_{r}(F, M) + P_{r}(M, F) = \frac{5}{8} \times \frac{3}{7} + \frac{3}{8} \times \frac{5}{7} = \frac{15}{56} + \frac{15}{56} = \frac{30}{56}$	

<u>11</u>	
23	Let D = Darwin accepts pats on a given day. Let M = Moseley """""""""""""""""""""""""""""""""""
27	$P_r(D \cup M) = P_r(D) + P_r(M) - P(D \cap M)$ = 0.4 + 0.2 - 0.08 = 0.52
28	$P_{r}(D \cup M) = P_{r}(D) + P_{r}(M)$ = 0.4 + 0.2 = 0.6
32	Let Fi = component i functions.
1	P(circuit functions) = P(F. n F2) = P(F.) · P(F2) = P.P2
2	$P(""") = P(F_1 \cup F_2)$ = $P(F_1) + P(F_2) - P(F_1 \cap F_2)$ = $P(F_1) + P(F_2) - P(F_2)$
33	P(""") = P. ((F, UF ₂) U (F ₃ ∩ F ₄)) = P. (F, UF ₂) + P(F ₃ ∩ F ₄) - P(F, UF ₂) · P(F ₃ ∩ F ₄) = P.(F,) + P(F ₂) - P(F, ∩ F ₂) + P(F ₃ ∩ F ₄)] - [(P(F,) + P(F ₂) - P(F, ∩ F ₂)) · P(F ₃ ∩ F ₄)] = P + P - P ² + P ² - [(P + P - P ²) · P ²] = 2P - [2P ³ + P ⁴] = 2P - 2P ³ + P ⁴

<u>L1</u>																		,		,		3
34	P(cir	cuit	Fu	nct	ion	s)	11 11 11 13	1-	- P	(c) P((F.	n F	- f -2)	ail:	(F:	U.F.	F ₄))] F ₂	4)	Ē	
								11 11 11		[2]	- p)	p) ³ +	3/ - (3 - +	- p (-) ³ - P)'	4	I	p) ⁴		21.3	1 7,	
													7									
			*																		4.9	