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(a)

(a)

(i) f \Leftrightarrow \alpha' = (f \Rightarrow \alpha')(f' \Rightarrow \alpha) = (f' + \alpha')(f + \alpha).

(ii) f \Leftrightarrow \alpha \wedge b' = (f \Rightarrow \alpha)(f \Rightarrow b')(f' \Rightarrow \alpha' \vee b) = (f' + \alpha)(f' + b')(f + \alpha' + b').

(iii) f \Leftrightarrow (a \wedge b') = (f \Rightarrow \alpha)(f' \Rightarrow b')(f' \Rightarrow a')(f' \Rightarrow b')(f' \Rightarrow a')(f' \Rightarrow b')(f' \Rightarrow a')(f' \Rightarrow b')(f' \Rightarrow a')(f' \Rightarrow
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5 44 clause 1 26.67% 100 litaal \$ 28,57% 1923) (923) (923+922+921) 1923+922 )1925+921)1922+927921) (922+920)(92+9A) (922/+920)(921/+919)(922+920+919) (921+920)(921+913) 19=(+9 >6)19=(+91)19=1+9=+92) (920+911) (920+916) (9204917196) (9,0+9,19)(9,0+9,16) (920+9,n+9,1) (919+915+94) (312+315') (312+314') (314'+315+311) (918+911)(917+911) (914+912)(9x+911)(9m+912+911) (914+912) (914+911) (911+912+911) (914+912) (912+91) (916+912+91) (916+910)(916+91) (916+916+91) (9,5+9,6)(9,5+9,0)(9,5+92)(9,5+9,6+9,+9,+92) (915+911/)(916+99)(915+92) (914+910)(91+91)(911+91) (9,4/+9,0) (9,4/+9,1)(9,4+9,1)(9,5+9,0+94-94) (913+91,+98) (91+916)(918+96) (913+910+92) 1912+91)(912+96) (912+91/+96) (912/+90) (912+96) (912+90/+96) (9"+9")(9"+9")(9"+9") (9"/+94) (911-94) (9"+97+94) (910/ +94)(91/+92)(910+9++92) (910+94) (91+93) )(910+94+93) 199/+95/194) (99+95)(99+94)(94+95+94) (98492)(94491) (94494)(94491)(94494492) (98+9=)(98+91)(98+91+91) (9n/+9+) (9/+93) (9n+9u/+93) (9b+92+91) 195+93+91)

(1)	923					
(0)		(1,1)	913	(1,1)	93	(213)
	9-2	(211)	912	(3,2)	92	(2,3)
	921	(211)	911	(4,2)	91	(2,5)
	920	(5,3)	910	(4,4)		
	919	(1,1)	99	(1, 1)		
	918	(1,2)	98	(2,1)		
	917	(3,2)	97	(4,3)		
	916	(3,2)	96	(4,3)		
	915	(311)	95	(1,1)		
	914	(3, 1)	94	(3,2)		

(e) 
$$\frac{\text{Scare} = 5}{\text{Scare} = 4} \frac{g_{10} = 0}{g_{10} = 0} \rightarrow g_{11} = 1 \rightarrow g_{10} = 1 \rightarrow g_{11} = 1$$

(f) Next Page.

(7) Noxt Page.

