		بر مر
	113 mg	
$7 \exists \times / \rho(x) \cap Q(x)) \rightarrow \forall x$	$(\rho(x) \rightarrow Q(x))) \Rightarrow$	(F) 1
$\frac{7}{3} \times (\rho(x) + Q(x)) \rightarrow \forall x$ $\frac{7}{3} \times (\rho(x) + Q(x)) \rightarrow \forall x$	b/x(pex)va(x1))=	
$\exists x(\rho(x) \land \alpha(x)) \land \exists$		
2 8×(ρ(x) νQ(x)), 8×17	$\mathcal{D}(x)$) $\mathcal{F} = \mathbb{E} \times (\mathcal{Q}(x))$	02
1. $\forall x (\rho(x) \lor Q(x))$	0 22	
$a. \rho(x) \cdot Q(x)$	1 Rs	
3. $\forall x (\overline{\gamma} \rho(x))$	0 22	
Ψ. 7ρ(x)	3 Rs	
5. Q(x)	2, 4, 56, 82	
G_{\bullet} $\exists_{X}(Q(X))$	5, R7	
r.e.,		~
3 7 Vx (P(x) ~ Q(x)), Vx/	(p(x)) 3 1- 74x(Q(x))	(3)
1. 7 x x (p(x)) Q(x))	P R	
$\partial. \exists \times (\gamma p(x) \vee \gamma Q(x))$	1, Eay, Ra	
3. 7P(x) 47Q(x)	2, R6 x & Ps 18075 some 16	
4. Ax(b(x))	PR	
5. ρ(x)	y. Rs	
6. 7Q(x)	3,5, 16, R2	
7. 3×(7Q(X))	6, 87	
8. YX(X))	7, E24, R2	
9. 74x (Q(x))	8, Eq, R2	
(-e.v		
		ned by CamScanner

		ارم
	$\{\forall \times (p(x) \rightarrow (Q(y) \land P(x))), \exists x p(x)\}$	0.2
	$\vdash Q(y) \land \exists x (p(x) \land P(x))$	
	1. Vx(p(x)-)(Q(y)) R(x))) p R1	
مرداد ارد	2. 3×p(x)	
. + 6 Pi		16
	4. Vx (7px) v (Q(y)1p(x)) 1, Ead	4
	5. 7 D(x) V(Q(y) 1 P(x))) 4, Rs.	V
	6. $Q(y) \wedge R(x)$ 3.5, I_6, R_2	
	7. Q(y) 6, I3, R2	
	$8- R(x) \qquad 6. Ju, R_2$ $9. \exists x R(x) \qquad 8. R_7, R_2$	
	10. $\exists x (\rho(x)) \uparrow R(x))$ $2, 9, I_{15}, R_{2}$	
	11. $Q(y) \wedge \exists \times (p(x) \wedge R(x))$ 7. 0, Is, R	
	$3\times\rho(\times),3\times Q(\times)$ = $3\times(\rho(\times)\wedge Q(\times))$	03
	1. 3×p(×) 0 B	
11111	$2.3\times Q(X)$ ρ ρ ,	
	3. 3x(p(x) \ Q(x)) 1,2, Is, R2	
	$3 \forall \times (P(x) \rightarrow Q(x)) $ $\rightarrow \forall \times P(x) \rightarrow \forall \times Q(x)$	3)
	1. $\forall x (p(x) \rightarrow Q(x)) p Q_1$	
	2. $\forall \rho(x) \rightarrow \forall x \rho(x)$ 1, I 20, R3	
	R8 (1807) 11015 (S) 2710 (R2 01802) -415 C	(10)
	Ren 1/3/20 160/2 Me 210/1 (4) 2016 2 Mes 2 1 2 W F6	(c) 6
	$Q = \frac{1}{3}(a,a), (4,6)^{\frac{1}{3}}, Q = \frac{3}{3}a, 6$	(?)
	· 6x3yρ(x,y) ρηνρι 3y 4χρ(x,y) ρην	
	Applied to a significant of the	hy CamScanner