Ex. l. l 18. a. True

Ex . 1.2

B. Those friend invited with "non -mhappy" 15 jusmine & wanti "Jacobse Lo (Jusmine A Kamti) & Jasmine

b. True C. Fose

d. Aye

40. July a.~PV~q

b. + (PV (~P/4))

41. QX-2

b. X= 1

C. X=2

f. X=1

e. X = 2

Ex 1.3

8. a Kwame want take apolo in industry or Sonti go to graduate school

6. Yoshiko June know jawa or coloulus

c. James isn't young and isn't strong

J. Rita won't move to Oregon or Washington

10.

9

P	£	[e P 1 (P V &)] - 1
0	0	(
1	0	1
0	1	(
6	1	1

c.	P	9-	[PA(P+2)] - 2
	0	0	t
	ı	0	1
	b	1	1
	4	4	1

Ь.	P	م	r	[(P→q) 1(Q→r)] →(P→t)
	0	0	0	[[V]] -> =
	1	0	٥	[0AI] -> 1 = !
	0	1	0	[(10] → 1 × 1
	0	0		(14 1) -0 = 1
	1	1	0	[1 40] -0=1
	1	0	1	[01] = 1=1
	0	1	1	CIAI > 1= !
	0	1	1	[1A 1] → 1= 1
		L		

P	٩	٢	[PV9) 1 (P→1)1(9→1)] → 1
0	0	0	1-04 [11/10]
1	0	0	10 0 C [11040]
٥	1	C	[014A0] > 0 = 1
0	6	1	[O/1/1] => 1=1
ı	ı	0	[1/1/1] - 0 - 1
1	0	ı	[011/1] = 1=1
0	1	1	[0/1/1] -1=1
t	1	1	(MINI) - 1 -1