Student Information

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Answer 1

a)	p	q	$(p \land q)$	$(\neg p \land \neg q)$	$(p \land q) \iff (\neg p \land \neg q)$
	T	Т	Т	F	F
	T	F	F	Τ	F
	\overline{F}	Т	F	T	F
	F	F	F	Τ	F

Contradiction

- a) $\forall x \exists y \ W(x,y)$
- b) $\neg \forall y \exists x \ F(x,y)$
- c) $\forall x (W(x,P) \implies A(Ali,x))$
- d) $\exists x (W(B\ddot{u}sra, x) \land F(TUBITAK, x))$
- e) $\exists x \exists y \exists z (S(x,y) \land S(x,z) \land y \neq z)$
- f) $\forall x \forall y (W(x, z) \land W(y, z) \implies x = y)$
- g) $\exists x \exists y \exists z \forall c ((W(x,z) \land W(y,z) \land (x \neq y)) \land ((x \neq c \land y \neq c \land x \neq y) \implies \neg W(c,z))$