

## Φροντιστήριο 7 – Σκελετοί Λύσεων

### Άσκηση 1

	<i>P</i>	<i>Q</i>	<i>S</i>	<i>T</i>	<i>T</i> <sub>1</sub>	<i>T</i> <sub>2</sub>
(a)	√	√	√	√	X	X
(b)	√	√	√	√	√	√
(c)	√	X	X	X	√	√
(d)	√	√	√	√	√	√
(e)	√	X	X	√	X	X
(f)	X	X	X	X	√	√
(g)	X	√	X	X	√	√
(h)	X	√	√	√	X	X
(i)	√	√	√	√	X	√
(j)	X	X	X	√	X	X
(k)	X	√	√	X	X	X
(l)	√	X	X	X	X	X
(m)	√	√	X	X	√	√
(n)	X	X	X	X	√	√

### Άσκηση 2

$$S_1 \not\equiv P_1: S_1 \models \langle a \rangle \langle b \rangle \langle \tau \rangle tt, \quad P_1 \not\models \langle a \rangle \langle b \rangle \langle \tau \rangle tt$$

$$S_1 \not\equiv P_1: P_1 \models \langle \langle a \rangle \rangle \langle \langle b \rangle \rangle \langle \langle c \rangle \rangle \langle \langle c \rangle \rangle tt, \quad S_1 \not\models \langle \langle a \rangle \rangle \langle \langle b \rangle \rangle \langle \langle c \rangle \rangle \langle \langle c \rangle \rangle tt$$

$$S_1 \not\equiv T_1: S_1 \models \langle a \rangle \langle b \rangle \langle \tau \rangle tt, \quad T_1 \not\models \langle a \rangle \langle b \rangle \langle \tau \rangle tt$$

$$S_1 \not\equiv T_1: S_1 \models \langle \langle a \rangle \rangle \langle \langle b \rangle \rangle \langle \langle d \rangle \rangle tt, \quad T_1 \not\models \langle \langle a \rangle \rangle \langle \langle b \rangle \rangle \langle \langle d \rangle \rangle tt$$

$$T_1 \not\equiv R_1: R_1 \models \langle a \rangle \langle \langle b \rangle \rangle tt \wedge \langle c \rangle tt, \quad T_1 \not\models \langle a \rangle \langle \langle b \rangle \rangle tt \wedge \langle c \rangle tt$$

$$T_1 \not\equiv R_1: R_1 \models \langle \langle a \rangle \rangle \langle \langle \langle b \rangle \rangle \rangle tt \wedge \langle \langle c \rangle \rangle tt, \quad T_1 \not\models \langle \langle a \rangle \rangle \langle \langle \langle b \rangle \rangle \rangle tt \wedge \langle \langle c \rangle \rangle tt$$

Τα υπόλοιπα ζεύγη αφήνονται ως άσκηση στον αναγνώστη.