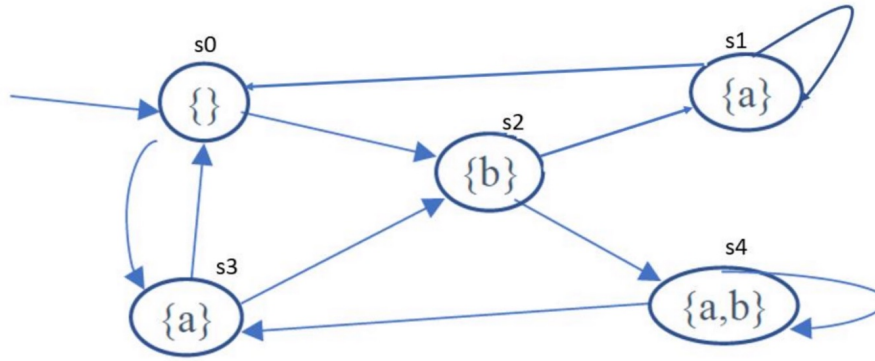


ESERCIZIO 2



2.1 $M, s \models AG(b)$

$$AG(b) \equiv \neg E F \neg b = \neg E (T \cup \neg b)$$

	b	$\neg b$	T	$E(\dots)$	$\neg E(\dots)$
s0		x	x	x	—
s1		x	x	x	—
s2	x		x	x	—
s3		x	x	x	—
s4	x		x	x	—

$\Rightarrow AG(b)$ NON VALE
IN ALCUN STATO

2.2 $EX(a \text{ AND } b)$

	a	b	a AND b	$EX(\dots)$
s0				
s1	x			
s2		x		x
s3	x			
s4	x	x	x	x

\Rightarrow VALE SOLO IN
s2 E IN s4

2.3 $M, s \models AF(a \text{ OR } b)$

	a	b	a OR b	$AF(\dots)$
s0				x
s1	x		x	x
s2		x	x	x
s3	x		x	x
s4	x	x	x	x

\Rightarrow VALE IN TUTTI
GLI STATI

2.4 $E(T \cup \text{NOT } a)$

	a	NOT a	T	$EU(\dots)$
s0		x	x	x
s1	x		x	x
s2		x	x	x
s3	x		x	x
s4	x		x	x

\Rightarrow VALE IN TUTTI
GLI STATI