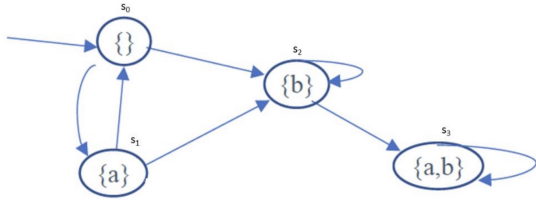


ESERCIZIO 2



2.1 $M, s \models AG(a \text{ AND } b) \equiv \neg EFT(a \text{ AND } b) \equiv \neg E(T \cup \neg(a \text{ AND } b))$

	a	b	a AND b	$\neg(a \text{ AND } b)$	T	E(...)	$\neg E(...)$
s0				X	X	X	
s1	X			X	X	X	
s2		X		X	X	X	
s3	X	X	X		X		X

\Rightarrow VALE SOLO IN s_3

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

	a	b	a AND b	EX(...)
s0				
s1	X			
s2		X		X
s3	X	X	X	X

\Rightarrow VALE IN s_2 E s_3

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

	a	b	a OR b	AF(...)
s0				X
s1	X		X	X
s2		X	X	X
s3	X	X	X	X

\Rightarrow VALE IN TUTTI GLI STATI

2.4 $M, s \models EX(a \text{ OR } b)$

	a	b	a OR b	EX(...)
s0				X
s1	X		X	X
s2		X	X	X
s3	X	X	X	X

\Rightarrow VALE IN TUTTI GLI STATI

2.5 $M, s \models AF(\text{NOT } b)$

	b	NOT b	AF(NOT b)
s0		X	X
s1		X	X
s2	X		
s3	X		

\Rightarrow VALE IN s_0 E s_1