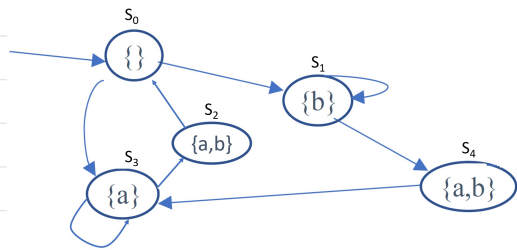


SCHEMA ESAME - ESERCIZIO 2



2.1: $M, S \models AG(a \text{ and } b)$

$$\neg AG(a \text{ and } b) \equiv \neg EF \neg(a \text{ and } b) \equiv \neg E(T \cup \neg(a \text{ and } b))$$

	a	b	a and b	$\neg(a \text{ and } b)$	T	E(...)	$\neg E(...)$
S ₀				x	x	x	-
S ₁		x		x	x	x	-
S ₂	x	x	x		x	x	-
S ₃	x			x	x	x	-
S ₄	x	x	x		x	x	-

la proprietà $AG(a \text{ and } b)$
non vale in nessuno stato

2.2 $M, S \models EX(a \text{ and } b)$

	a	b	a and b	EX(...)
S ₀				
S ₁		x		x
S ₂	x	x	x	
S ₃	x			x
S ₄	x	x	x	

la proprietà $EX(a \text{ and } b)$
vale in S₁ ed S₃

2.3 $M, S \models AF(a \text{ or } b)$

	a	b	a or b	AF(...)
S ₀				x
S ₁		x	x	x
S ₂	x	x	x	x
S ₃	x		x	x
S ₄	x	x	x	x

la proprietà $AF(a \text{ or } b)$
vale in tutti gli stati