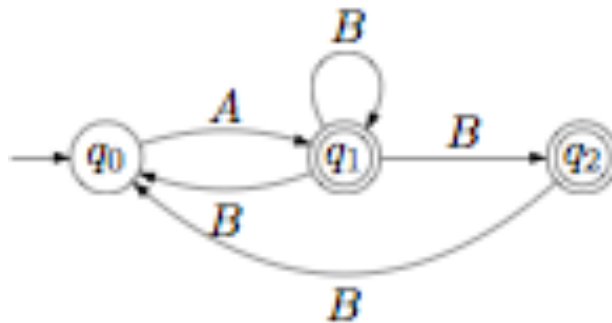


Esercizi

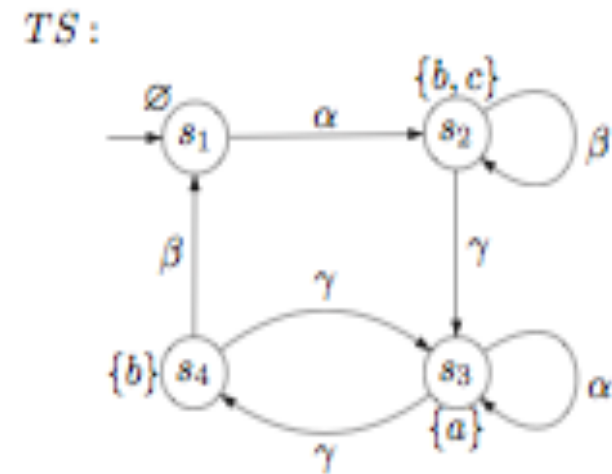
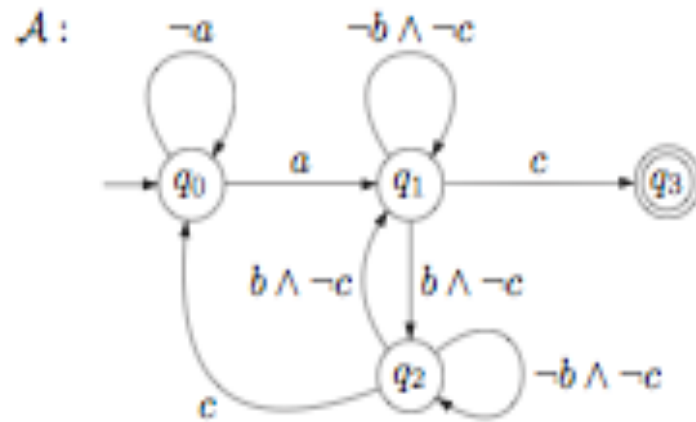
GNBA vs NBA

Si consideri l'automa di GNBA descritto in figura (con stati di accettazione $F1 = \{q1\}$, $F2 = \{q2\}$)



Costruire l'automa NBA equivalente.

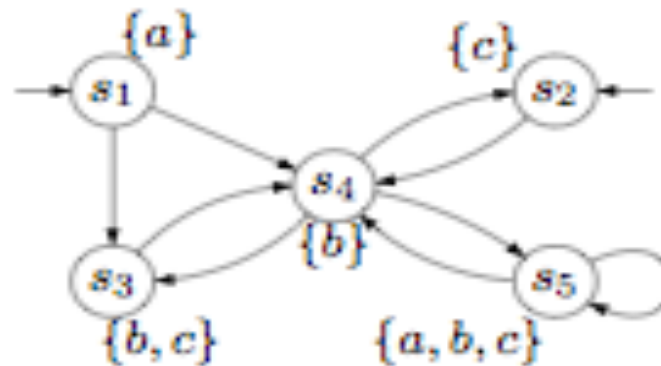
TS X NBA



Costruire il prodotto $TS \times A$

LTL

Consideriamo il TS T definito in figura:



Determinare se $T \models \phi_i$ dove

$\phi_1 = \langle \rangle [] c$

$\phi_2 = [] \langle \rangle c$

$\phi_3 = \text{next not } c \rightarrow \text{next next } c$

$\phi_4 = a \cup [](b \text{ or } c)$

LTL

- Determinare la validita' (o meno) delle equivalenze
 - $[\] \text{ phi } \rightarrow \langle \rangle \text{ psi } = \text{ phi } \text{ U } (\text{psi or not phi})$
 - $[\] \langle \rangle \text{ phi } \rightarrow [\] \langle \rangle \text{ psi } = [\] (\text{phi } \rightarrow \langle \rangle \text{ psi})$