Prodotto di Automi [= {a,b} (1) R2 = ([*a [a [a]) + R1 = (ab)* b* AZ b* b* Ba Ba 2 Q2= {A, B, C} Q1 = {1,2} $Q = Q_1 \times Q_2 = \{(1,A), (1,B), (1,C), \dots\}$ $L(A) = L(A_1) \cap L(A_2)$ a 2A stalo imaggiongibile 2C b 2B p poi pulire l'automa (2A irraggiongibile) Fontiona unche con automi 7 det.

Attentione: 7 gontiona se l'automa e 7 deferministico

Riduzione (x autom a delerministico) [= {a,b,c} 53

Ridutione (x automa deterministico) Σ={a,b, c} stato poro (completato naturale) 25 3.53.5 55 J=1 B=2,5 X=3,5 aw 300 53

[= {a,b,c} R=a(b|cc)*cb-1 R=a1(b2 1 C3 4) * C5 b6 4 R=1.-1 1=a, . 2 2=3.4 3 = 5* 4=65.6 5=6, 6 6= 62.64 1 - 3-13 a_{1} {b_2, c, c} \ 2 {-1} >4 {-1} 5 { b, c, c, c, s} C5 { b6} b2 {b2, c3, c5} 6 {b2, c3, c5}

A=(Z,Q,90,QF,S) 90= { a la é carallère initiale di R-1} vale a dire 90 = {a1} A = deterministico! (C4, b6) 8 1 B 8 S (a, b, c ABCD (a destra) (A) a B (B) b B | c C C) c B | b D Aclassioma

$$\sum_{x} \{a, b\} \in \mathbb{R} = (a(bb)^{*})^{*}(aa|\xi) + 1$$

$$R = (a_{1}(b_{1}b_{3})^{*})^{*}(a_{1}a_{5}|\xi) + R = 7 - 1$$

$$\frac{1}{7} = 4 \cdot 6$$

$$6 = 5|\xi$$

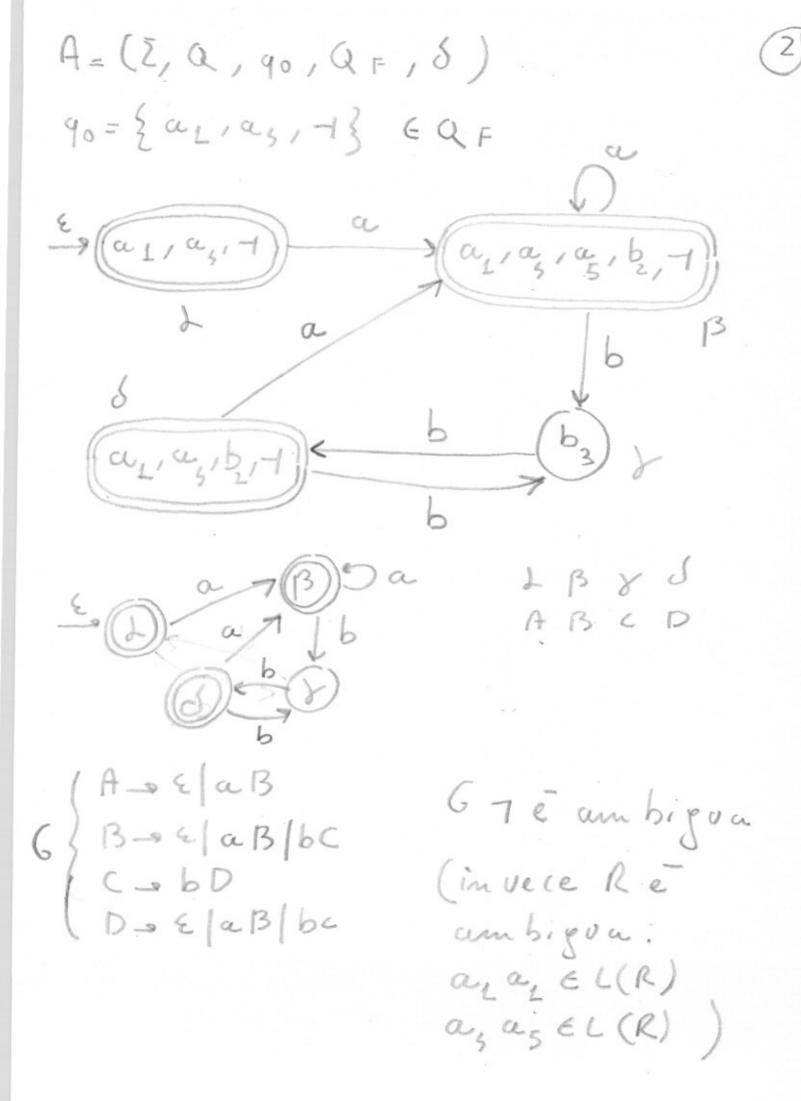
$$5 = a_{1} \cdot a_{5}$$

$$6 = 15$$

$$7 = 1 \cdot 6$$

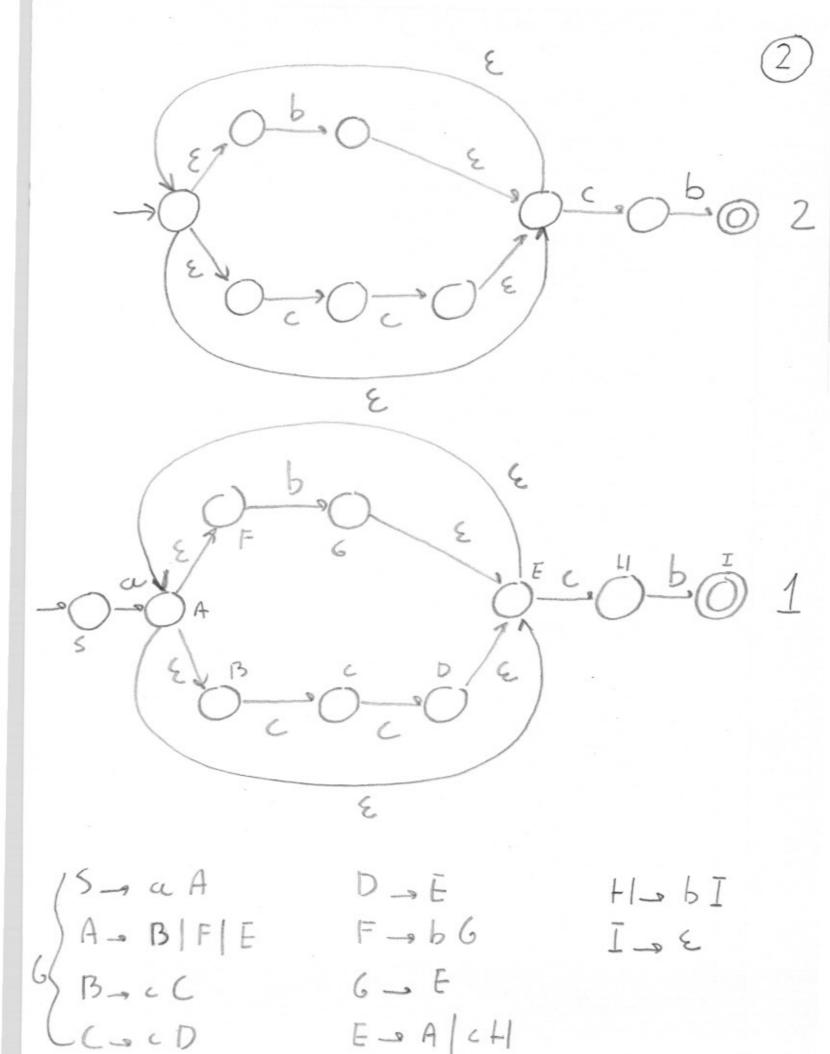
$$8 = 1 \cdot 7$$

$$8$$

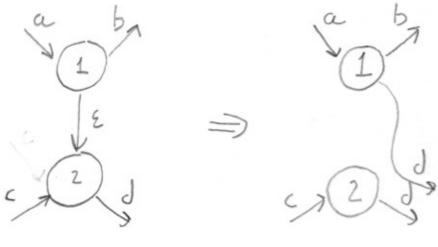


Composizione modulare (Brozozowski) oncutenamento (1 muovo E-alco) L(A) = L(A1). L(A2) Unione (2 m v o v 1 stati) L(A)= L(A1) UL(A1) (5 muovi &-uzchi) Ilezuzione (2 mouri E-archi)

Calcolo automa
7 deterministico R=a(b/cc)*cb



Eliminazione &-tiunsizioni
- Retrazione archi
a by

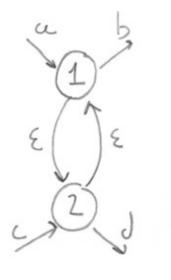


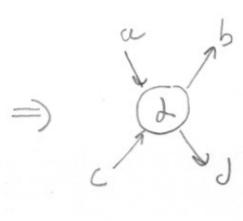
Inothe, se 2 e ginale, 1 diventa finale

- Propagatione archi

Inolhe, se I e initiale, 2 diventa initiale

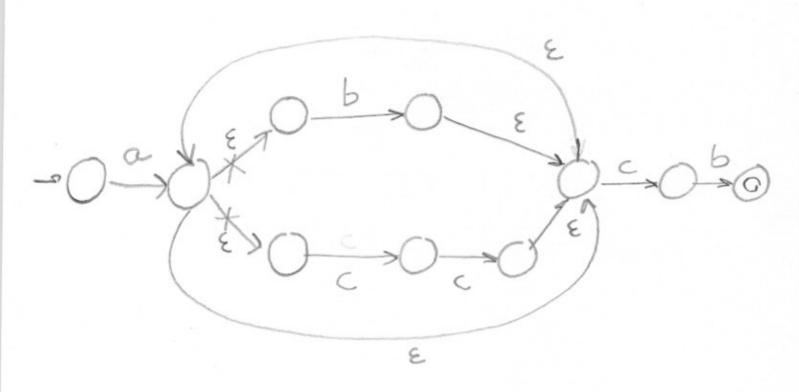
_ Collusso degli &-cicli

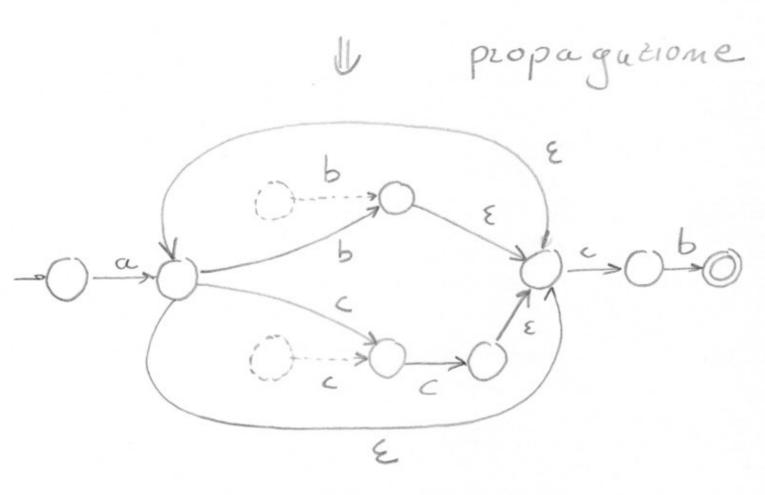


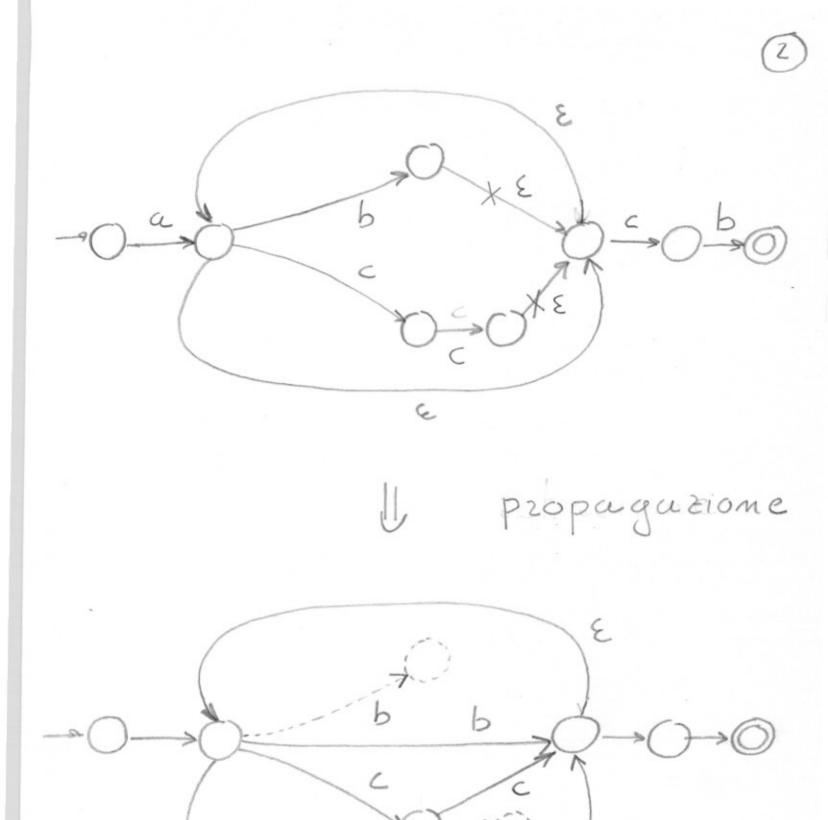


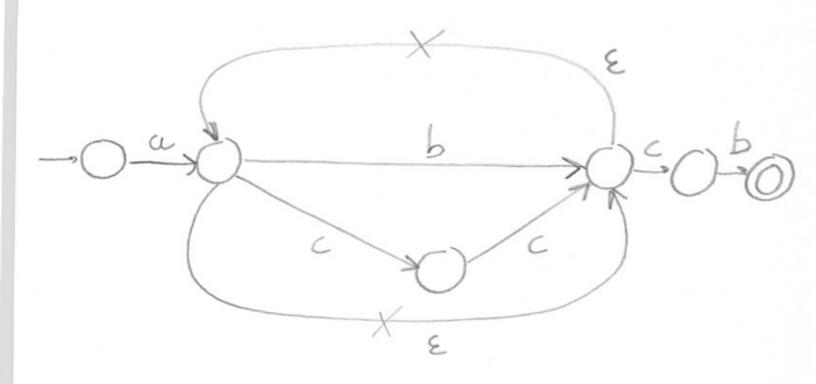
Se 1 initiale
Linitiale
Se 1 ginale
L ginale

Deferminitatione Automa

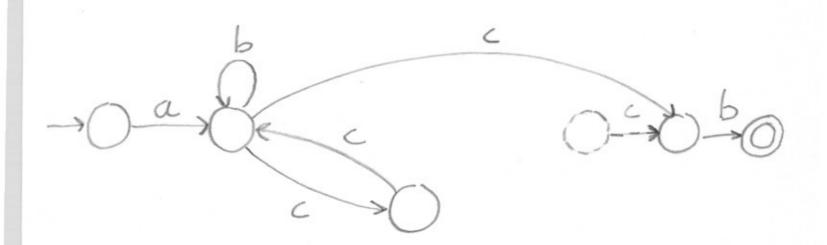


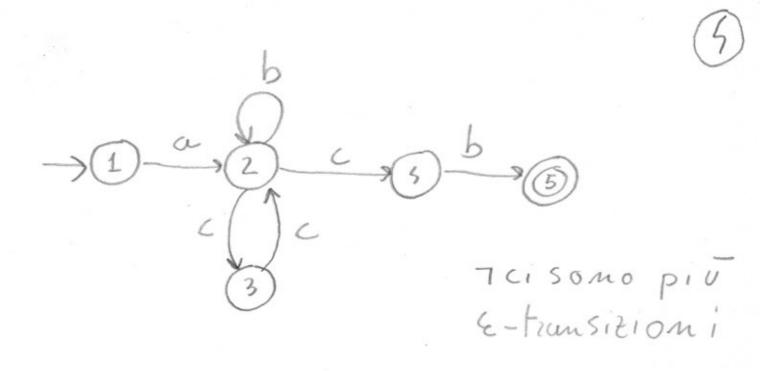






U collasso E-cièlo





Se si pregerisce...

