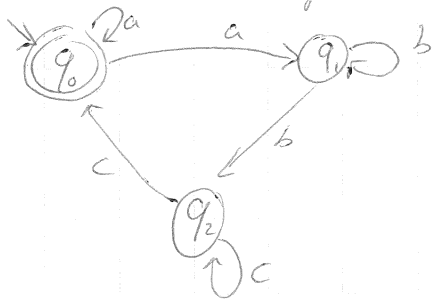


1. (i) M:



dus $L_2 = L((aa^*bb^*cc^*)^*a^*)$

(ii) $G_1: S \rightarrow aA \quad B \rightarrow c$

$A \rightarrow bB$

$G_2: S \rightarrow aA \mid E$

$A \rightarrow aA \mid bB$

$B \rightarrow bB \mid cC$

$C \rightarrow cC \mid S$

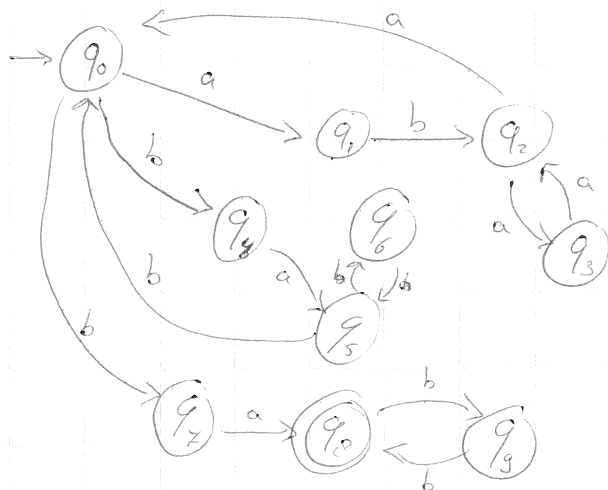
$E \rightarrow aE \mid \lambda$

(iii) $G_3: S \rightarrow aSb \mid bb$

(iv) $G_4: S \rightarrow AA$

$A \rightarrow aAb \mid ab$

2. (i)



(ii) λ, b, bb, bbb

(iii) $e = (ab^*ab^*a \cup b)^*$

Uitwerkingen

FLGA

Lecture 6

3.

$$S \rightarrow aSBC$$

$$S \rightarrow aBC$$

$$CB \rightarrow HB$$

$$HB \rightarrow HC$$

$$HC \rightarrow BC$$

$$aB \rightarrow ab$$

$$bB \rightarrow bb$$

$$bC \rightarrow bc$$

$$cC \rightarrow cc$$