

Muxeeb
4/7/13

Barium 1/14

1) $\{a, b, c\}$ e noyen. aca u uca aca

a^*
 $(b+c)^*$

$(b+c)^* (a (b+c)^* a (b+c)^*)^* aca$
 $(a (b+c)^* a (b+c)^*)^* (b+c)^*$

$G(\{a, b, c\})$

$A \rightarrow bA | cA | acaB | aC$

$B \rightarrow bB | cB | D$

$C \rightarrow cA$

$D \rightarrow \lambda$

$G(\{a, b, c\}, \{A, B, C, D\}, P, A)$

$P: A \rightarrow bA | cA | aB | acaC$

$B \rightarrow aA | bB | cB | acaD$

$C \rightarrow aD | bC | cC | \lambda$

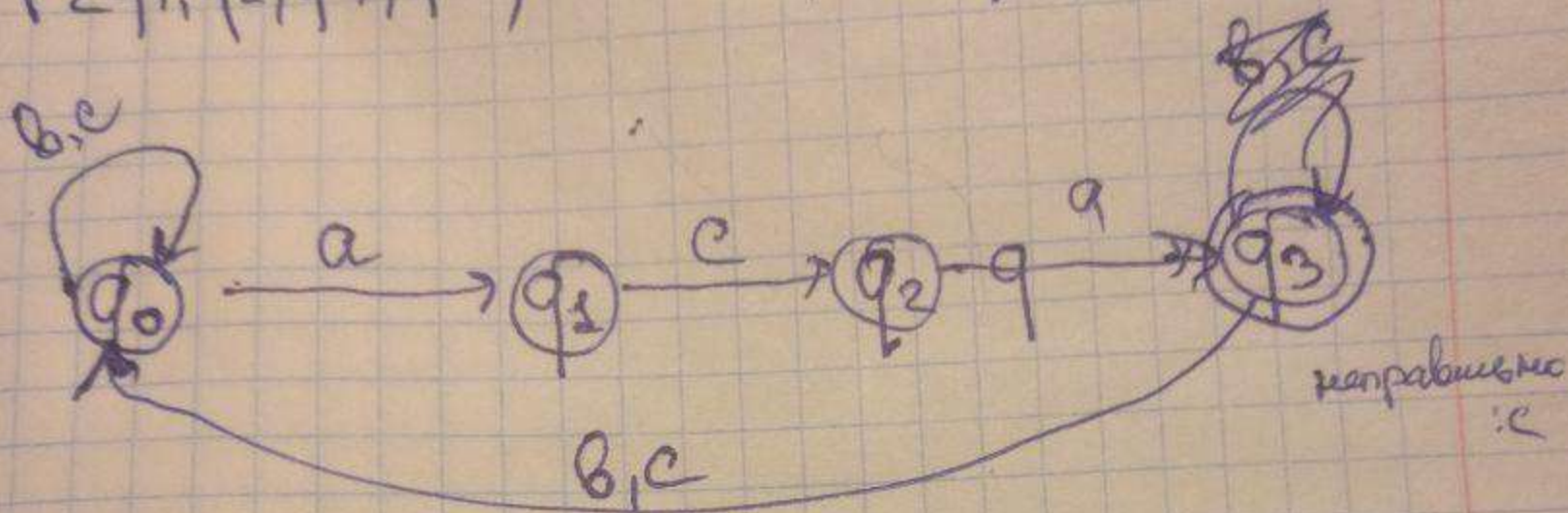
$D \rightarrow aC | bD | cD$

$G(\{a, b, c\}, \{A, B\}, \lambda, P, A)$

$P: A \rightarrow B a c a B | B a B a c a B a B$

$B \rightarrow B b | B b | B a B a B | \lambda$

$M(\{q_1, q_2, q_3, q_0\}, \{a, b, c\}, \delta, q_0, \{q_3\})$



2) $L = \{a^{k+1} b^{2k} c a^{2n-1} \mid n > 0, k \geq 0\}$

$G(\{a, b, c\}, \{$

$P: A \rightarrow$