



ΑΛΕΞΑΝΔΡΟΣ ΑΡΙΣΤΟΒΟΥΛΟΣ

ΤΜΗΜΑ: ΗΜΤΥ

ΤΟΜΕΑΣ: ΤΕΧΝΟΛΟΓΙΑ ΤΗΣ ΠΛΗΡΟΦΟΡΙΑΣ

ΕΤΟΣ: 4ο

ΑΜ: 1063199

Ερώτημα 1:

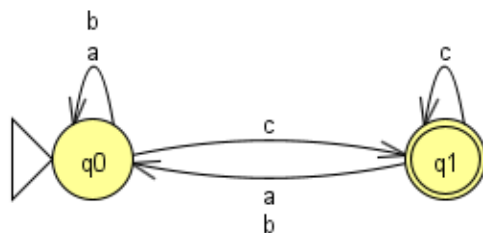


Table Text Size

Input	Result
c	
bcc	
abcabc	
cccc	
ababccbac	
abcba	
cacab	
cccccca	
ababab	

Ερώτημα 2:

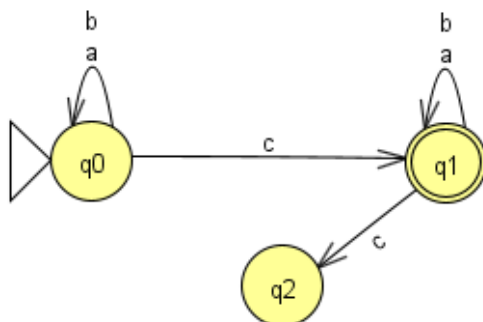


Table Text Size

Input	Result
c	Accept
abc	Accept
cbbb	Accept
babcbba	Accept
abcba	Accept
cacab	Reject
ababab	Reject
bcc	Reject
abcabca	Reject
ababcccba	Reject

### Ερώτημα 3:

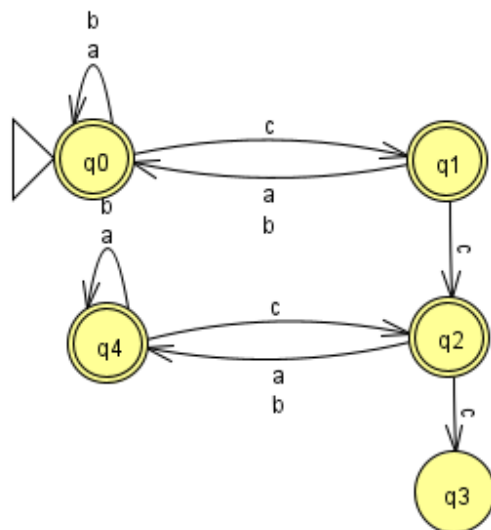
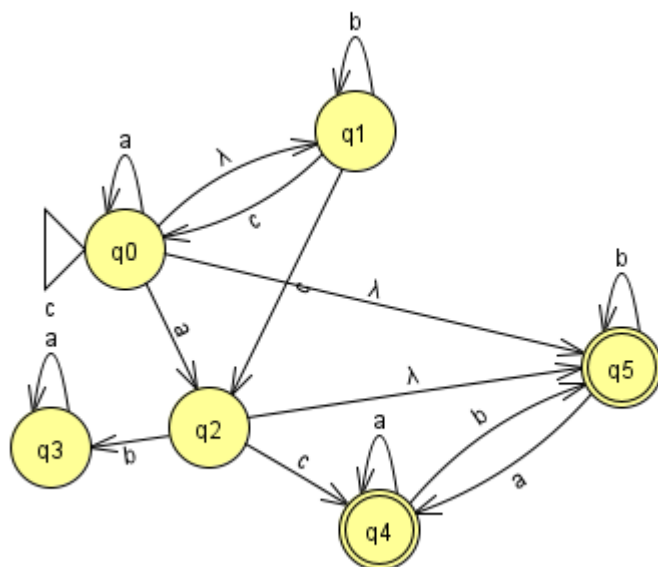


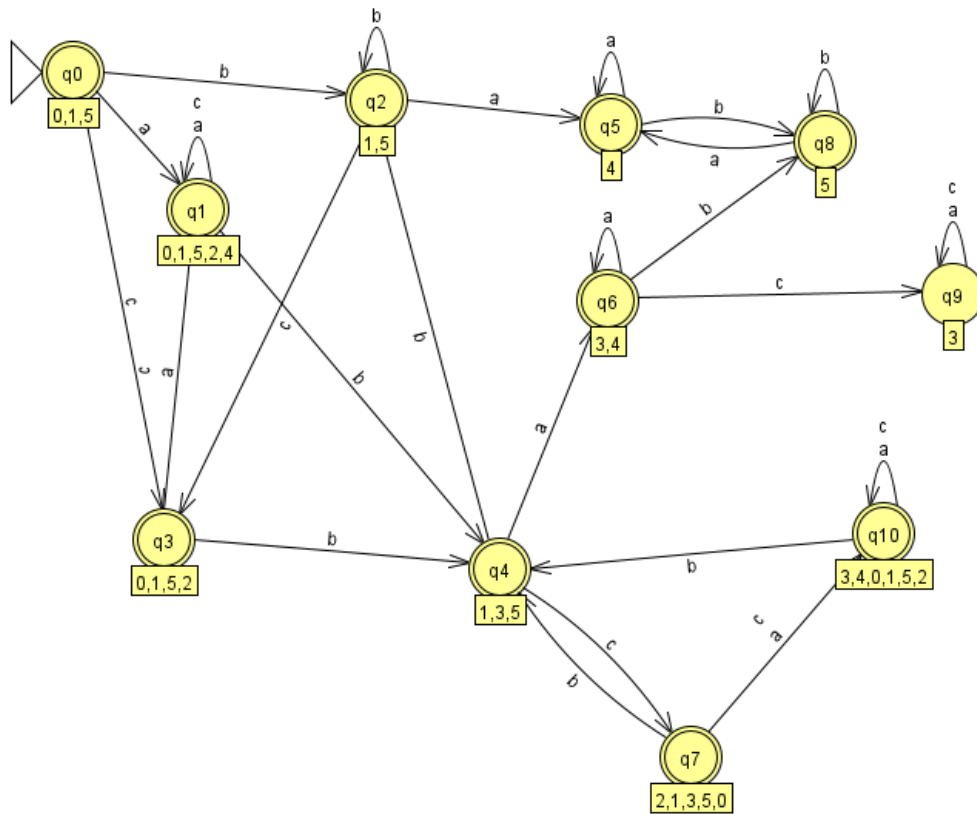
Table Text Size

Input	Result
c	Accept
abaa	Accept
cacab	Accept
babccbba	Accept
caacbcbac	Accept
cc	Accept
abccabccab	Reject
bcccca	Reject
abcabccca	Reject
ccc	Reject

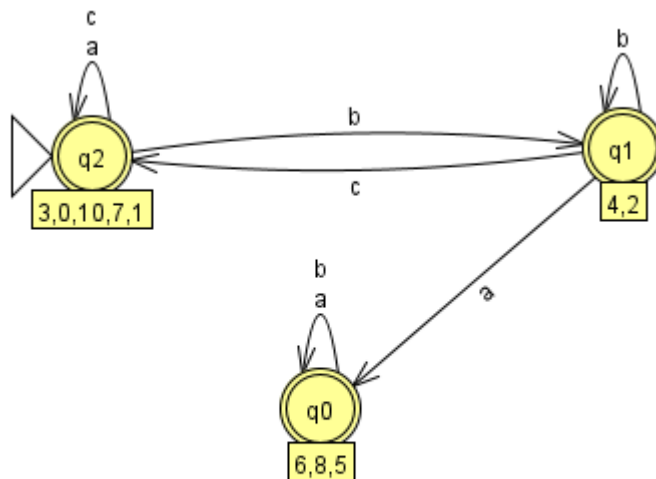
### Ερώτημα 4:



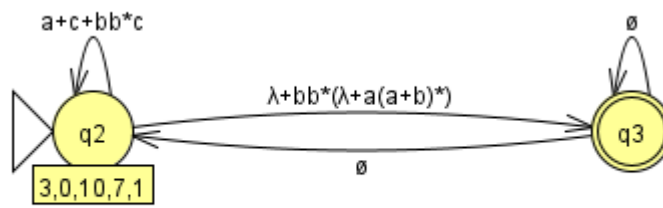
Ερώτημα 5:



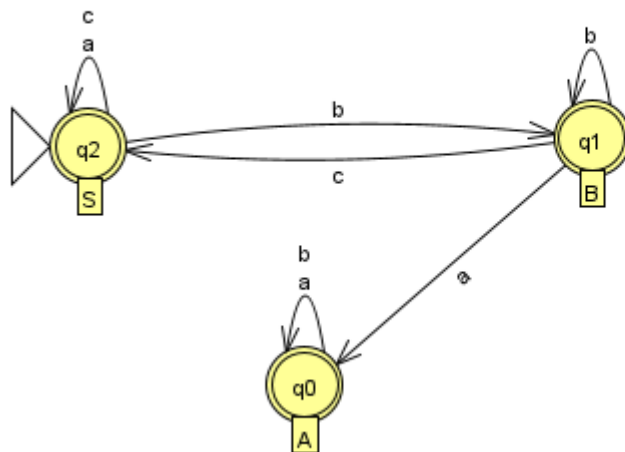
Ερώτημα 6:



Ερώτημα 7:



Ερώτημα 8:



LHS		RHS
S	$\rightarrow$	aS
B	$\rightarrow$	bB
A	$\rightarrow$	bA
S	$\rightarrow$	cS
A	$\rightarrow$	$\lambda$
B	$\rightarrow$	aA
S	$\rightarrow$	$\lambda$
S	$\rightarrow$	bB
B	$\rightarrow$	cS