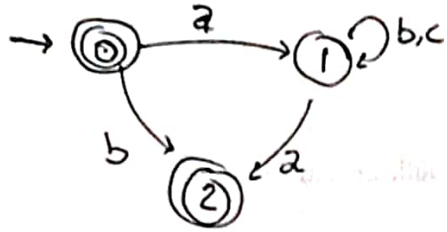
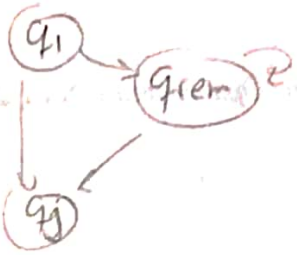
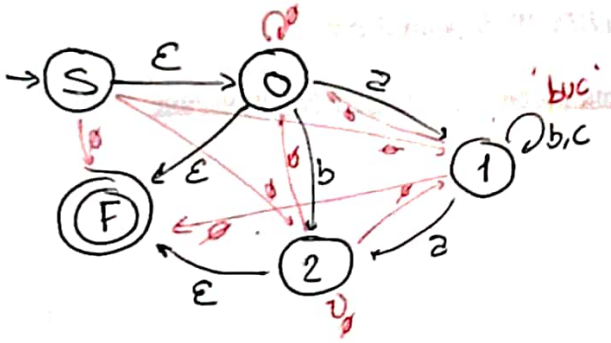




	a	b	c
→S*	1	2	-
1	2	1	1
2*	-	-	-

P/ AFND-G

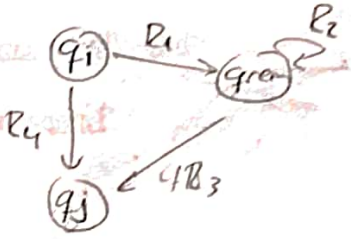


Eliminar o est. 1

$q_{rem} = 1$

$q_i = \{S, 0, 2\}$

$q_j = \{0, 2, F\}$



1. q_{rem} q_i q_j

1, S, 0

$\delta(S,1) = \emptyset$

$\delta(1,1) = b|c$

$\delta(1,0) = \emptyset$

$\delta(S,0) = \varepsilon$

$\emptyset\,(b|c)^*\,\emptyset \,|\, \varepsilon$

$= \varepsilon$

1, S, 2

$\delta(S,1) = \emptyset$

$\delta(1,1) = b|c$

$\delta(1,2) = a$

$\delta(S,2) = \emptyset$

$\emptyset\,(b|c)^*\,a \,|\, \emptyset$

$= \emptyset$

1, S, F

$\delta(S,1) = \emptyset$

$\delta(1,1) = b|c$

$\delta(1,F) = \emptyset$

$\delta(S,F) = \emptyset$

$= \emptyset$

1, 0, 0

$\delta(0,1) = a$

$\delta(1,1) = b|c$

$\delta(1,0) = \emptyset$

$\delta(0,0) = \emptyset$

$= \emptyset$

1, 0, 2

$\delta(0,1) = a$

$\delta(1,1) = b|c$

$\delta(1,2) = a$

$\delta(0,2) = b$

$a\,(b|c)^*\,a \,|\, b$

1, 0, F

$\delta(0,1) = a$

$\delta(1,1) = b|c$

$\delta(1,F) = \emptyset$

$\delta(0,F) = \varepsilon$

$= \varepsilon$

1, 2, 0

$\delta(2,1) = \emptyset$

$\delta(1,1) = b|c$

$\delta(1,0) = \emptyset$

$\delta(2,0) = \emptyset$

$= \emptyset$

1, 2, 2

$\delta(2,1) = \emptyset$

$\delta(1,1) = b|c$

$\delta(1,2) = a$

$\delta(2,2) = \emptyset$

$= \emptyset$

1, 2, F

$\delta(2,1) = \emptyset$

$\delta(1,1) = b|c$

$\delta(1,F) = \emptyset$

$\delta(2,F) = \varepsilon$

$= \varepsilon$

Sem o estado 1

	0	2	F
S	ε	∅	∅
0	∅	a(b|c)*|b	ε
2	∅	∅	ε

$q_{rem} = 2$ $q_i = \{S, 0\}$ $q_j = \{0, F\}$

2, S, 0	ε, S, F	2, 0, 0
$\delta(S,2) = \emptyset$	$\delta(S,2) = \emptyset$	$\delta(0,2) = a(b\|c)^*\|b$
$\delta(2,2) = \emptyset$	$\delta(2,2) = \emptyset$	$\delta(2,2) = \emptyset$
$\delta(2,0) = \emptyset$	$\delta(2,F) = \varepsilon$	$\delta(2,0) = \emptyset$
$\delta(S,0) = \varepsilon$	$\delta(S,F) = \emptyset$	$\delta(0,0) = \emptyset$
$= \varepsilon$	$= \varepsilon$	$= \emptyset$

2, 0, F
$\delta(0,2) = a(b\|c)^*a\|b$
$\delta(2,2) = \emptyset$
$\delta(2,F) = \varepsilon$
$\delta(0,F) = \varepsilon$
$a(b\|c)^*a\|b\varepsilon\|\varepsilon$

	0	F
→ S	ε	ε
0	∅	$a(b\|c)^*a\|b\|\varepsilon$

remover o

$q_{rem} = 0$ $q_i = \{S\}$ $q_j = \{F\}$

O, S, F

$\delta(S,0) = \varepsilon$

$\delta(0,0) = \emptyset$

$\delta(0,F) = a(b|c)^*a|b|\varepsilon$

$\delta(S,F) = \varepsilon$

$= \varepsilon \cdot \emptyset^* \cdot a(b|c)^*a|b|\varepsilon$

$= \varepsilon \cdot a(b|c)^*a|b|\varepsilon$

$\rightarrow ER = a(b|c)^*a \mid b \mid \varepsilon$