

Resolução
Conversão ER - AFD

Linguagens Formais e Compiladores
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1. Converta a seguinte ER para um AFD equivalente:

$$a(a \mid b)^a$$

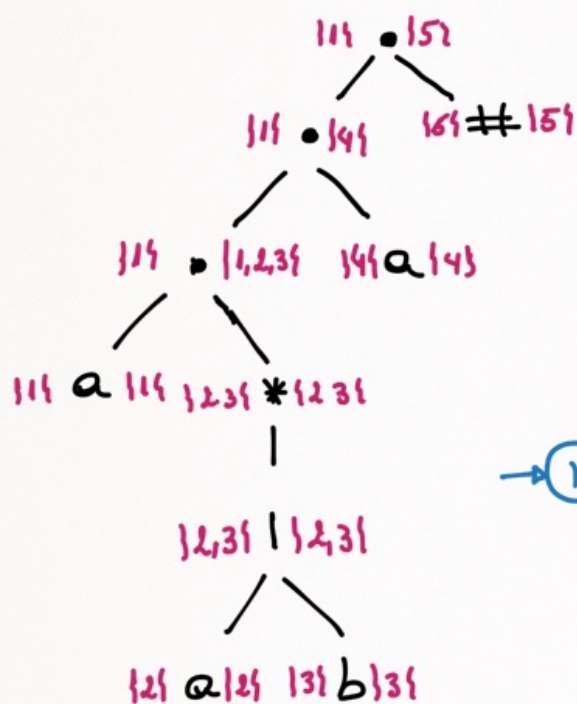
2. Converta a seguinte ER para um AFD equivalente:

$$aa^*(bb^*aa^*b)^*$$

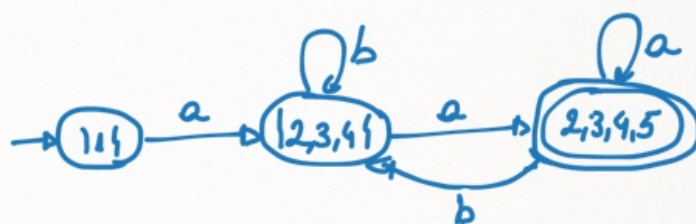
3. Converta a seguinte ER para um AFD equivalente:

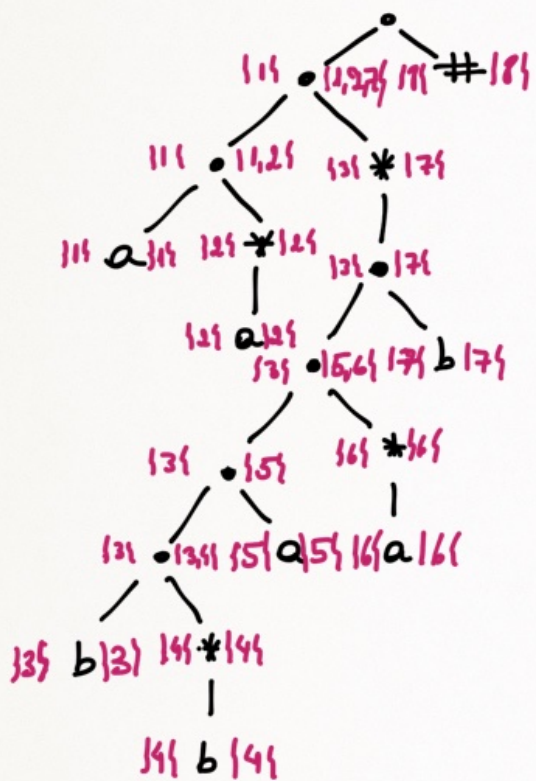
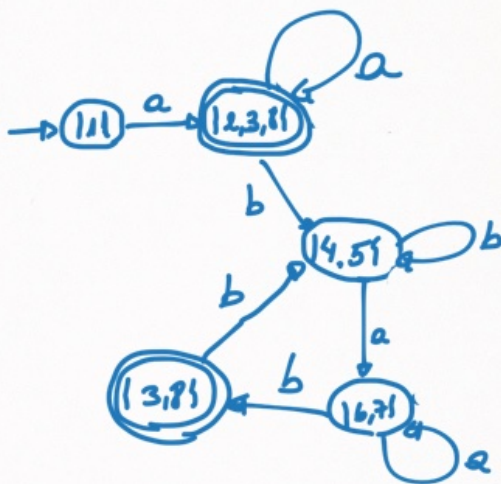
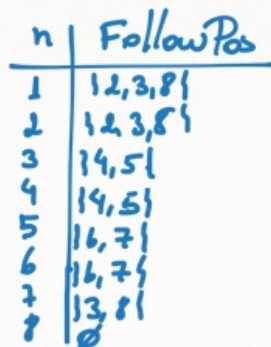
$$(\varepsilon \mid b)(ab)^*(\varepsilon \mid a)$$

$a(a|b)^*a\#$

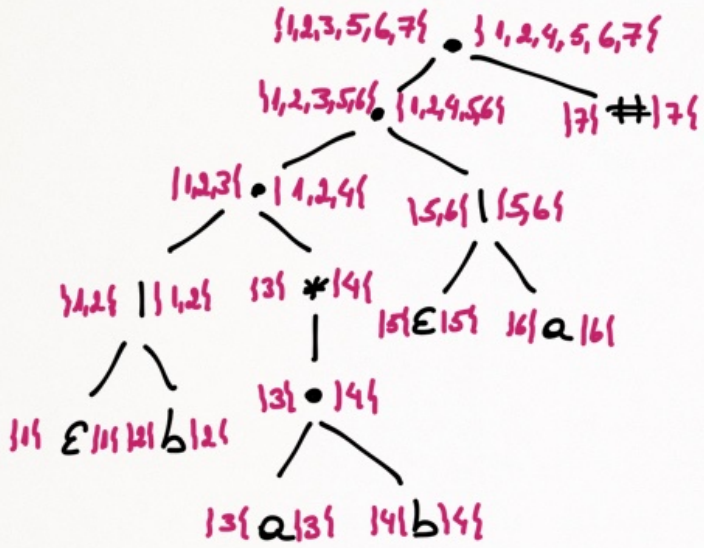


n	FollowPos
1	$\{2,3,4\}$
2	$\{2,3,4\}$
3	$\{2,3,4\}$
4	$\{5\}$
5	$\{1\}$



$$aa^*(bb^*aa^*b)^*\#$$


$$(\epsilon | b) \cdot (ab)^* \cdot (\epsilon | a) \cdot \#$$



n	Follow Pos
1	13, 5, 6, 7f
2	13, 5, 6, 7f
3	14f
4	13, 5, 6, 7f
5	17f
6	17f
7	Ø

