

TPC3 - Desafio de Páscoa

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1 Expressões Regulares e Autómatos

Considere as seguintes ERs:

$$e1 = a + (c^* + b^*)$$

$$e2 = aa^*b$$

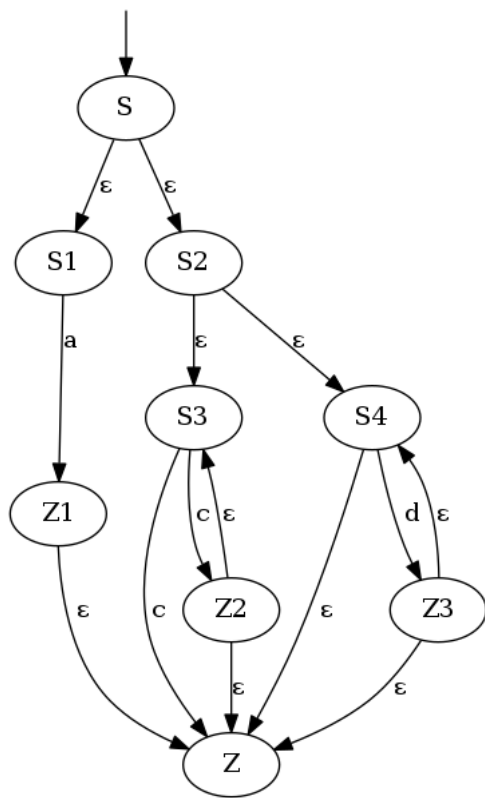
$$e3 = a + a^*b$$

$$e4 = a + (ab)^*$$

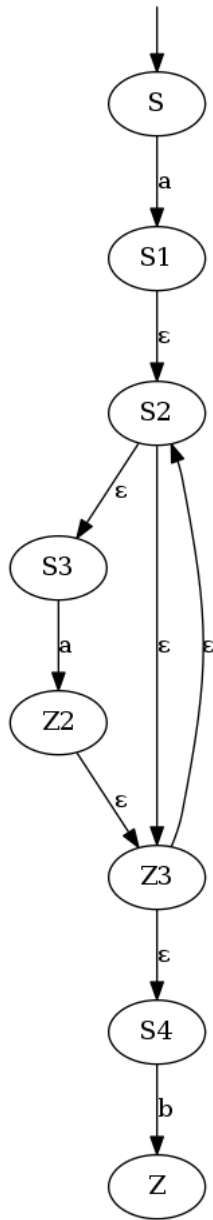
$$e5 = c + (a + b)^*$$

e construa formalmente o Autómato Não-Determinista equivalente a cada ER.

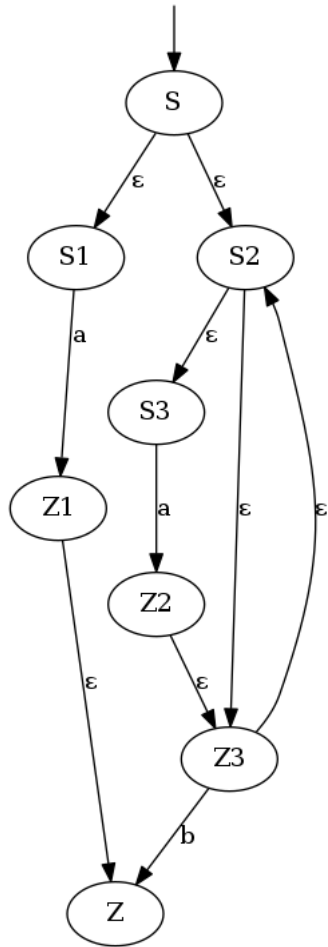
2 $e1 = a + (c^* + b^*)$



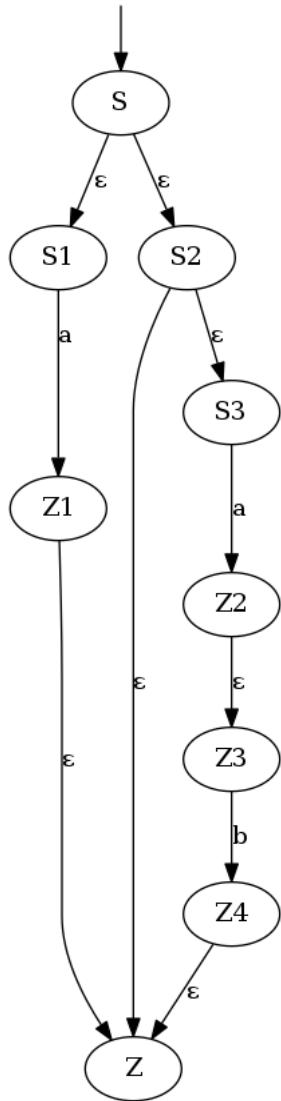
3 $e2 = aa^*b$



4 $e3 = a + a^*b$



5 $e4 = a + (ab)^*$



6 $e5 = c + (a + b)^*$

