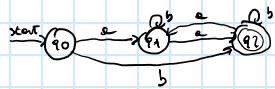


ESERCITAZIONE - DA DFA A REGEX

lunedì 3 aprile 2023 14:07

Convertire il seguente DFA in una REGEX



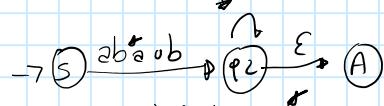
$$(S, q_0, q_2) = a$$

$$(S, q_0, q_1) = b$$

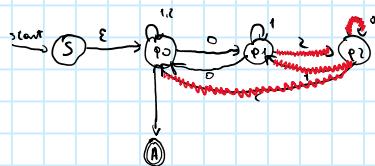
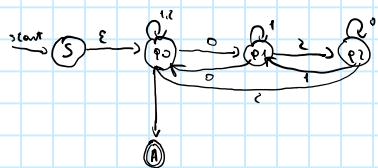
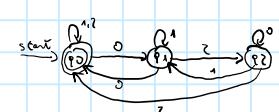


$$(S, q_0, q_1) = ab^*a^*b$$

$$(q_1, q_2, q_0) = a^*b^*a^*b$$



$$(ab^*a^*b)(ab^*a^*b)$$



$$q_1 \xrightarrow{a} q_2 \xrightarrow{a} q_1 \equiv q_1 \xrightarrow{a^*} q_1$$

$$q_1 \xrightarrow{b} q_2 \xrightarrow{b} q_1 \equiv q_1 \xrightarrow{b^*} q_1$$

