

EXAMPLE OUTPUT - 1

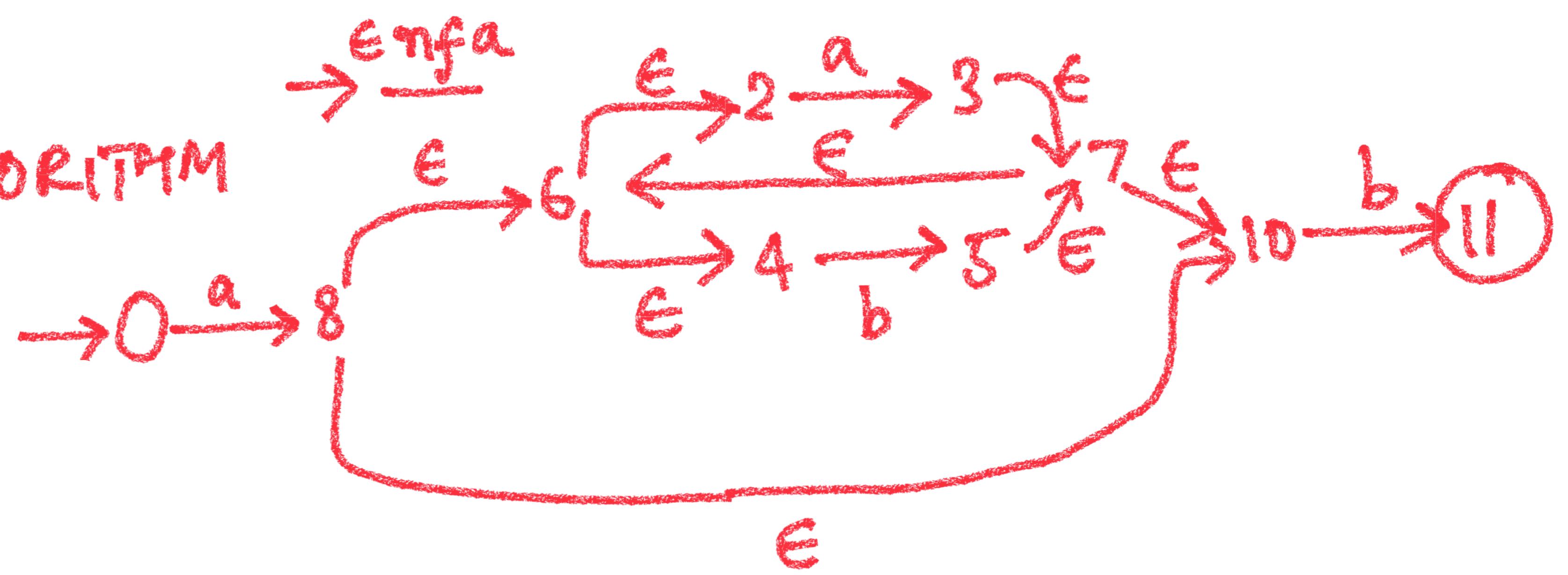
regex: $a(a+b)^*b$

$\rightarrow a? (a+b)^* ? b$

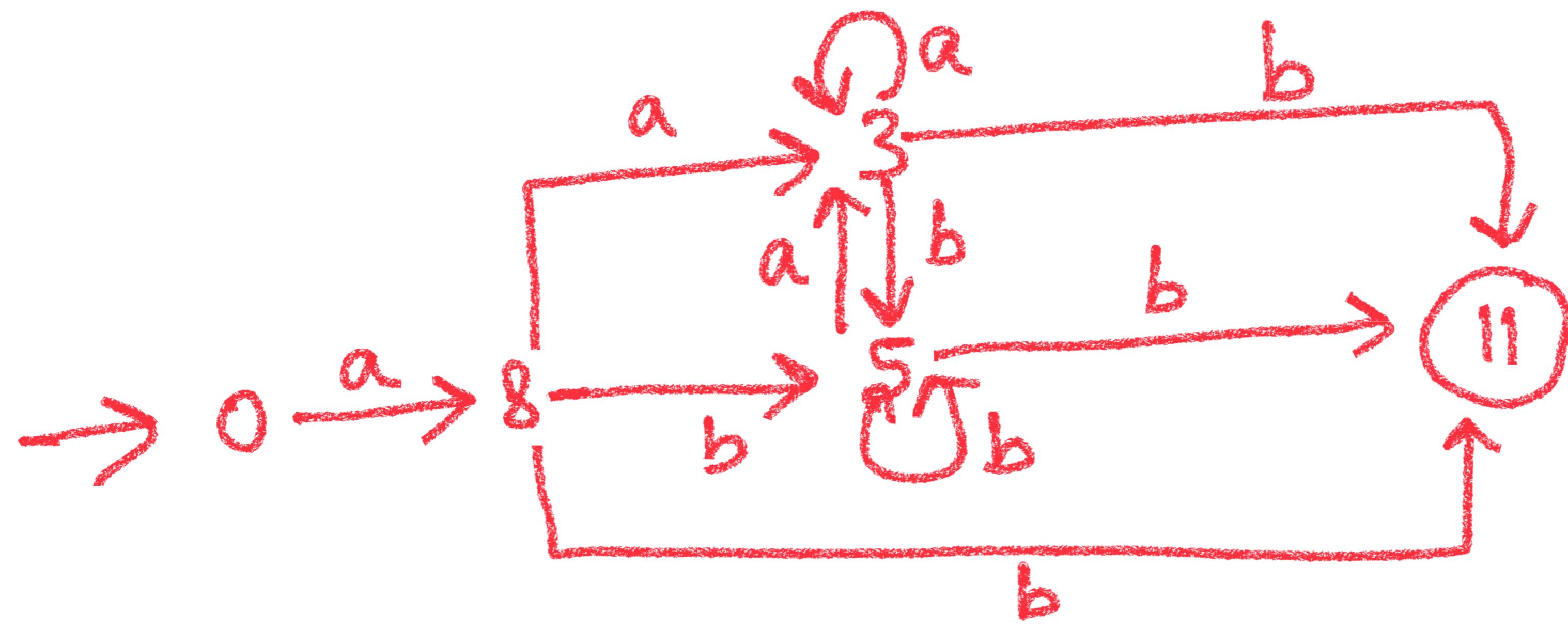
SHUNTING
YARD ALGORITHM

\rightarrow postfix: $a a b + ^ * ? b ?$

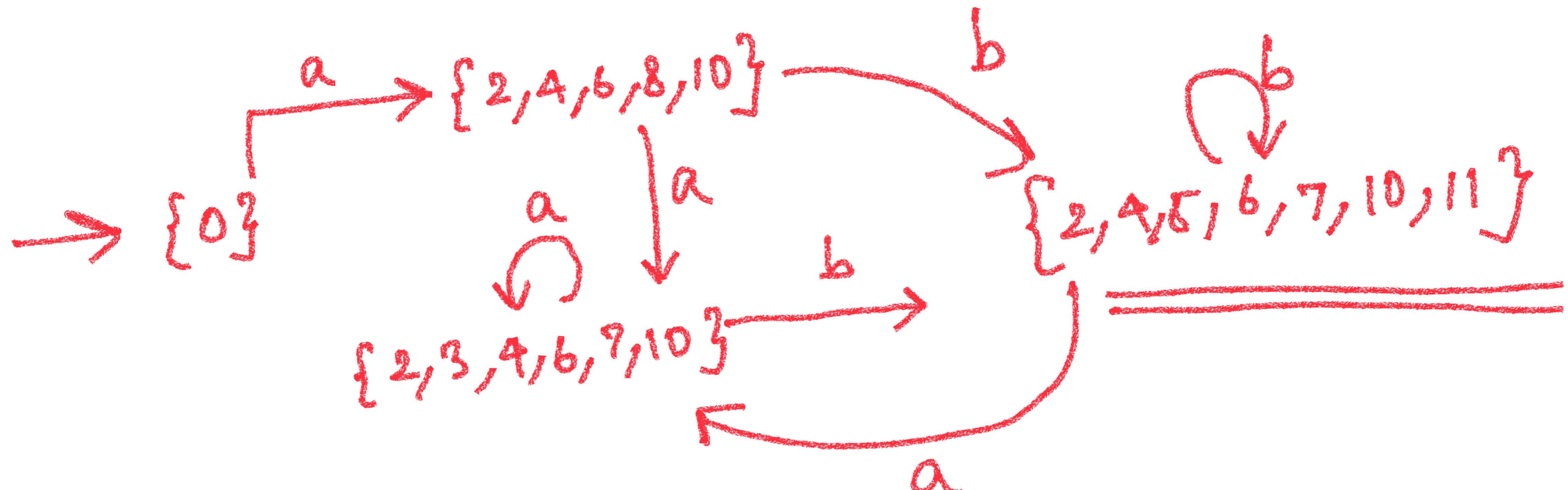
THOMPSON ALGORITHM



\rightarrow nfa without epsilon by duplicating edges of v_2 to v_1 where $v_1 \xrightarrow{\epsilon} v_2$



\rightarrow DFA by using Eclosure method
GNFA obtained



\rightarrow minimising dfa by using
2 transition tables for final & nonfinal
states & merging similar rows using
Union find.

