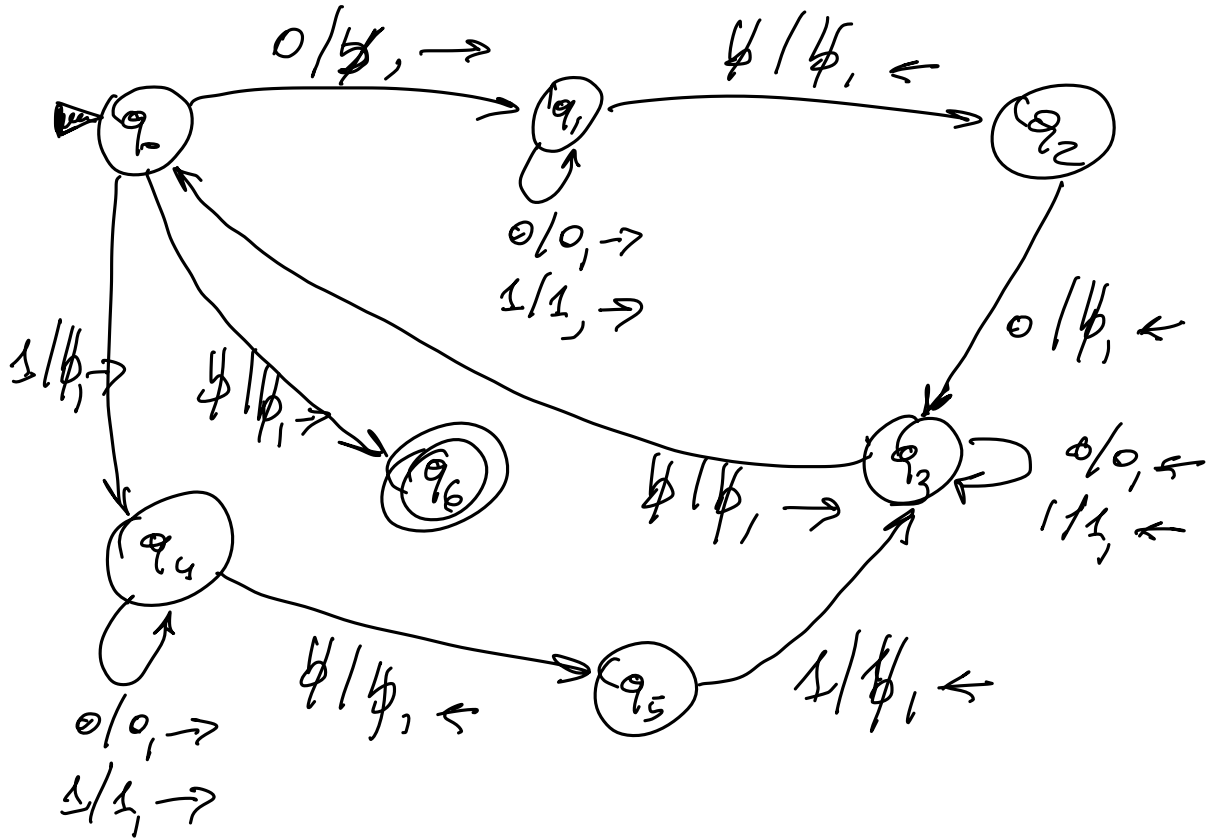


$$L = \{ vv^R \mid v \in (0,1)^*, v^R \text{ is a string or a contraction} \}$$

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 $\downarrow \quad \quad \quad \uparrow$

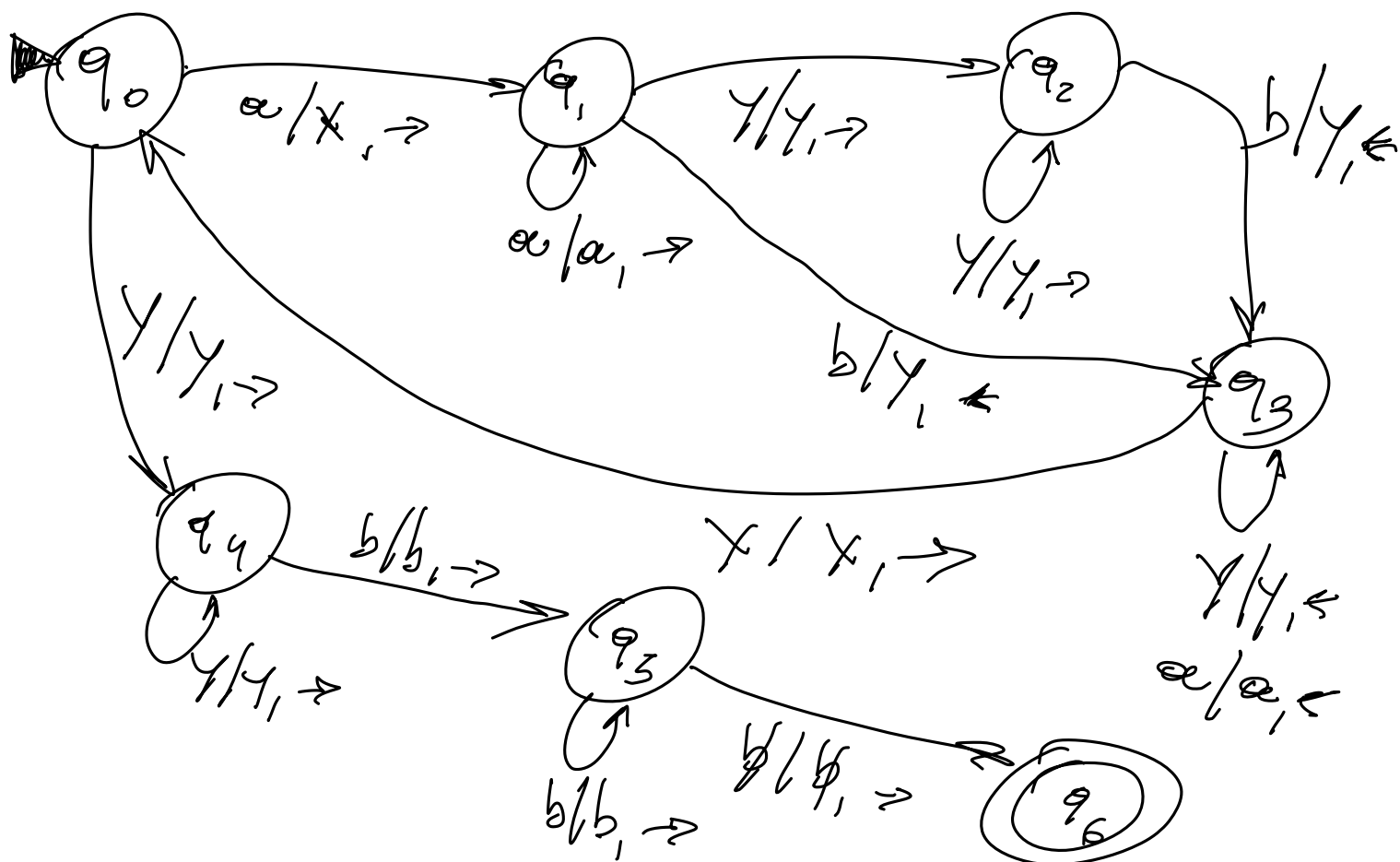
 011110

 $w \quad \quad \quad w_R$



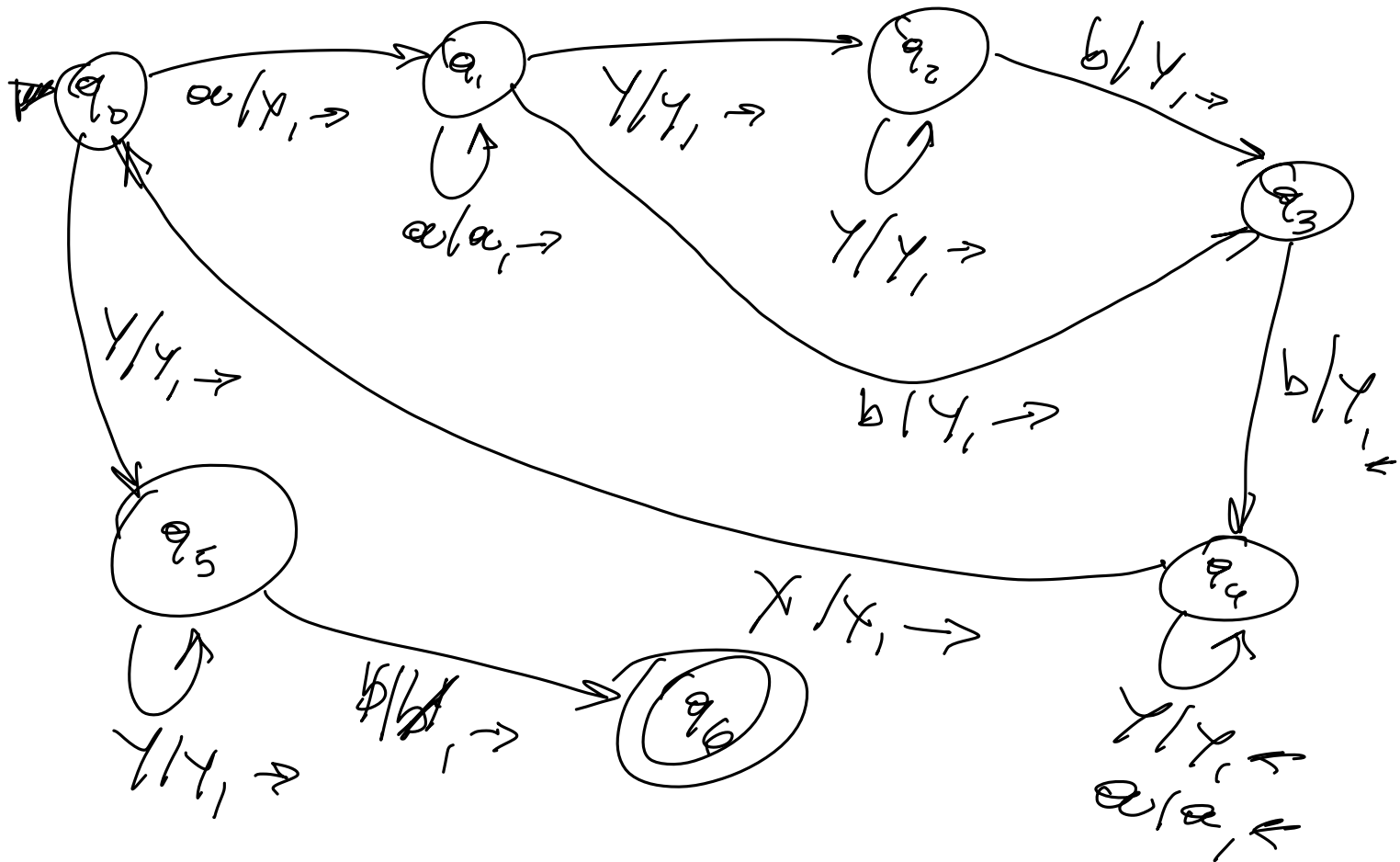
$$L = \{ a^m b^m \mid m \geq n \geq 0 \}$$

~~xxxxa~~ ~~bbbbb~~



$$L = \{ a^m b^m \mid m > 0, m = 2 \cdot n \}$$

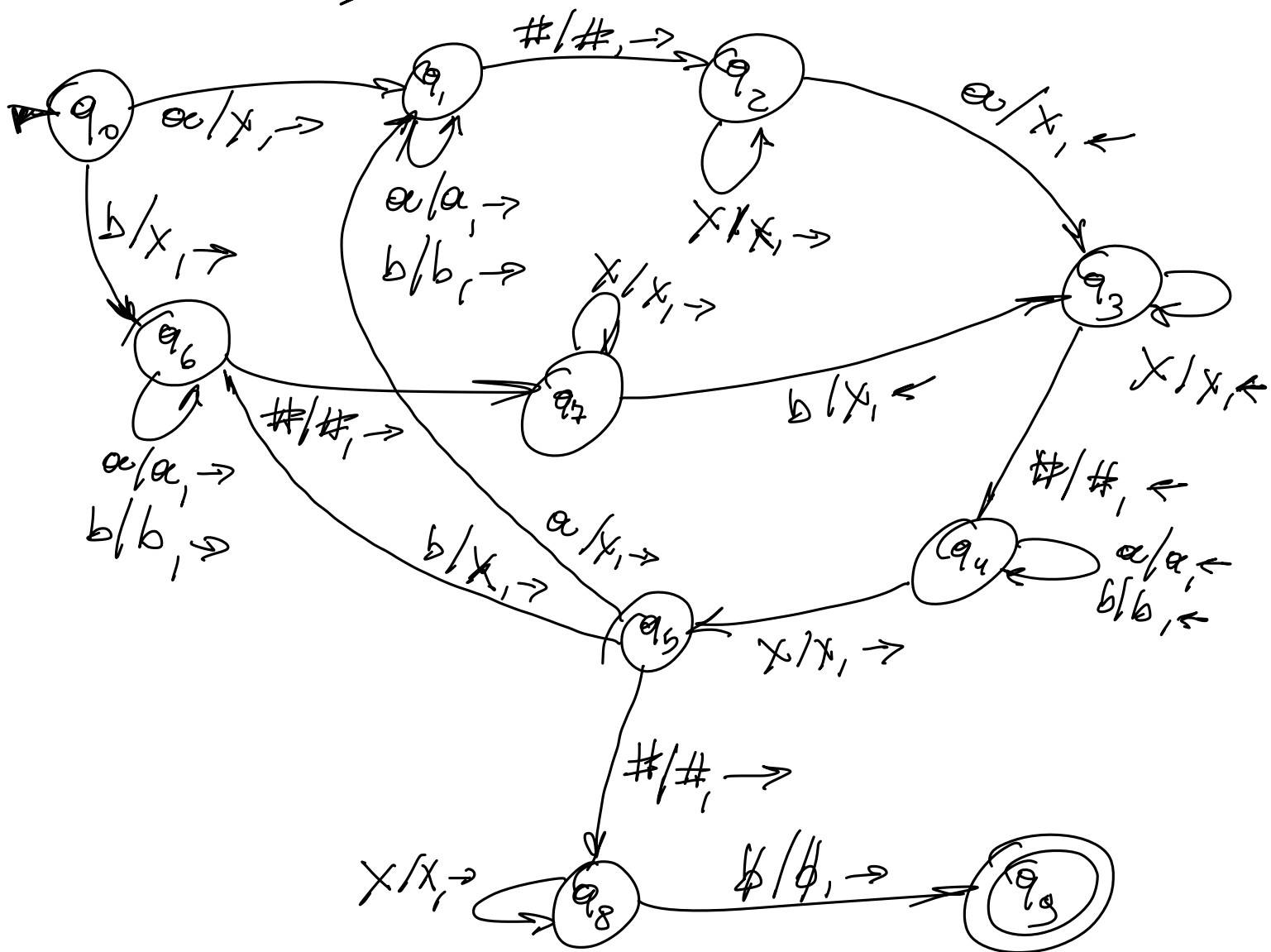
~~aa~~ ~~bbbbbb~~



$$L = \{ w \# w \mid w \in (a/b)^+ \}$$

abb#abb a#a ba#ba ...

~~abbaa#abbaa~~



$$L = \{a^m b^n c^m \mid m > 0\}$$

~~aaaaa~~ ~~bbbbb~~ ~~ccccc~~

