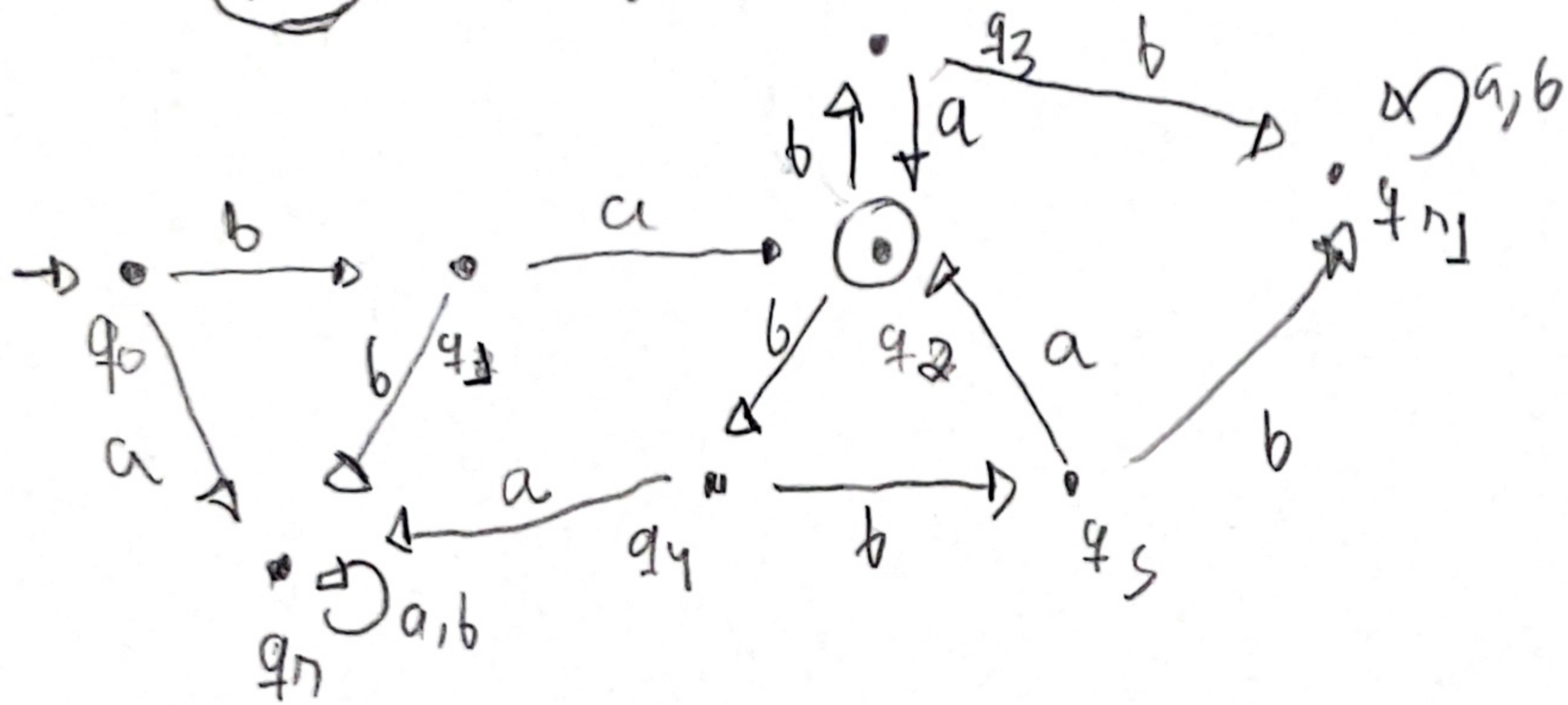
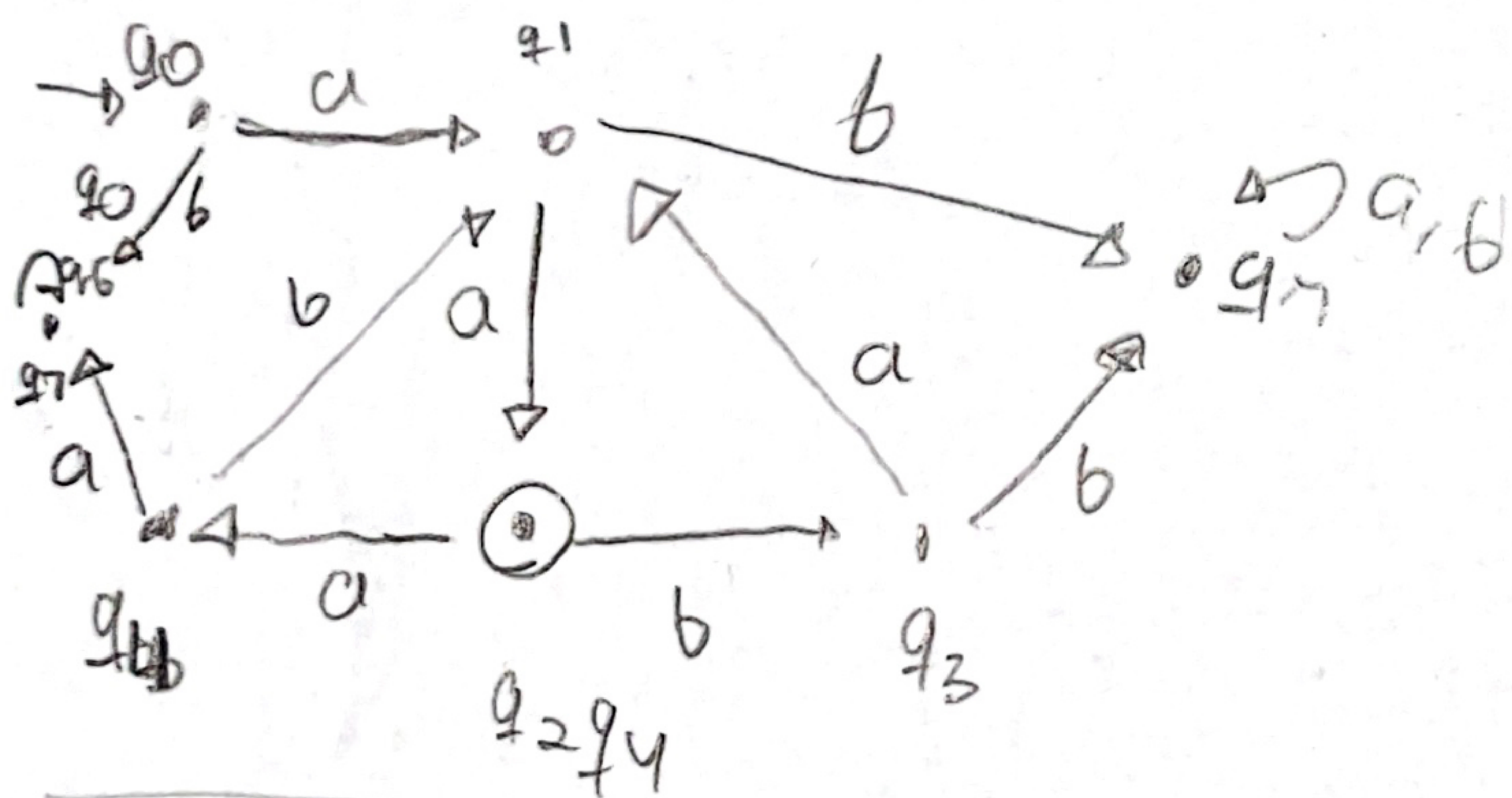


Lista 09 - Autômatos - José Douglas Gondim Soares

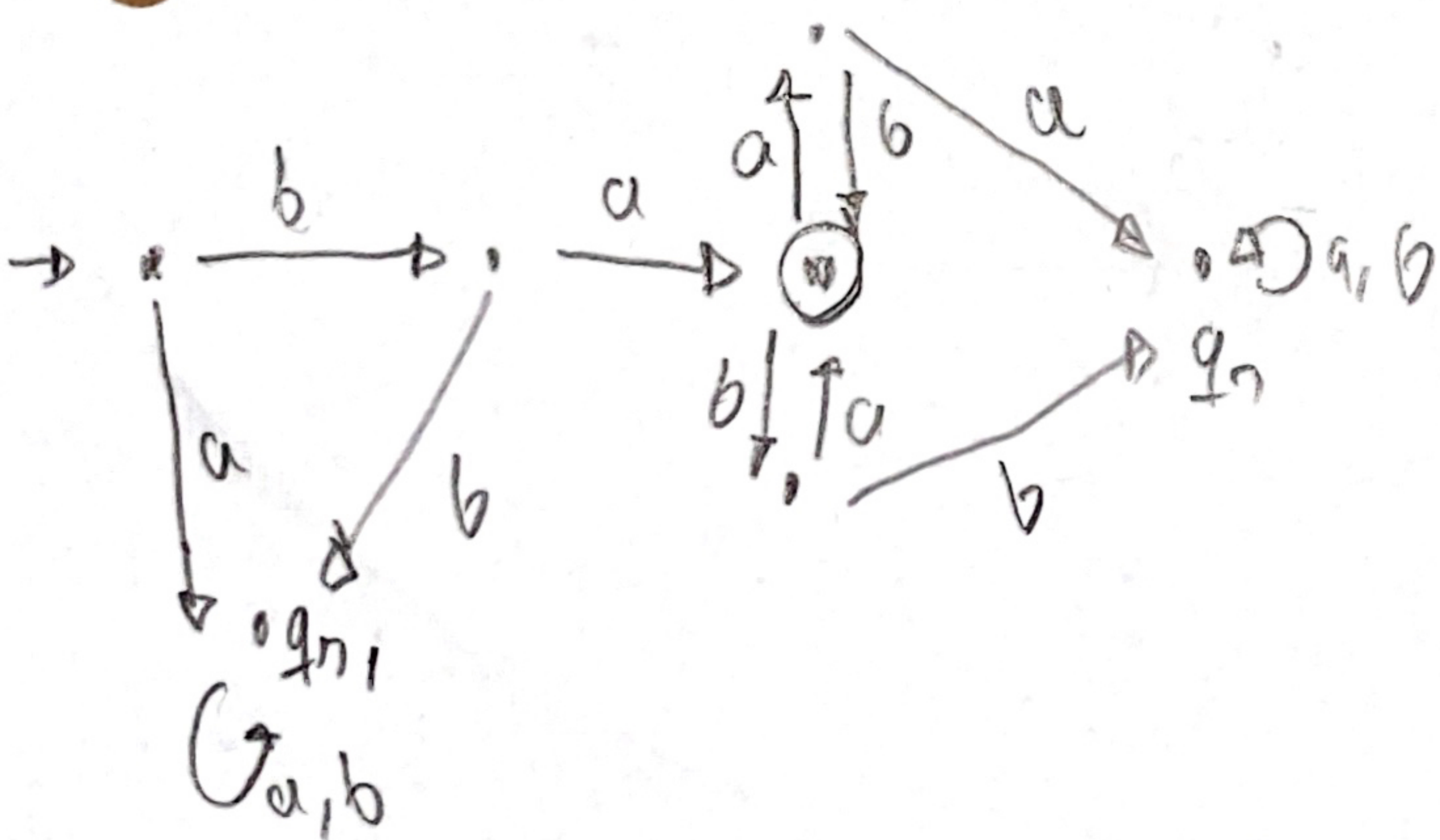
1- a) $ba(bba \cup ba)^*$



b) $a(aab \cup aba)^*a$

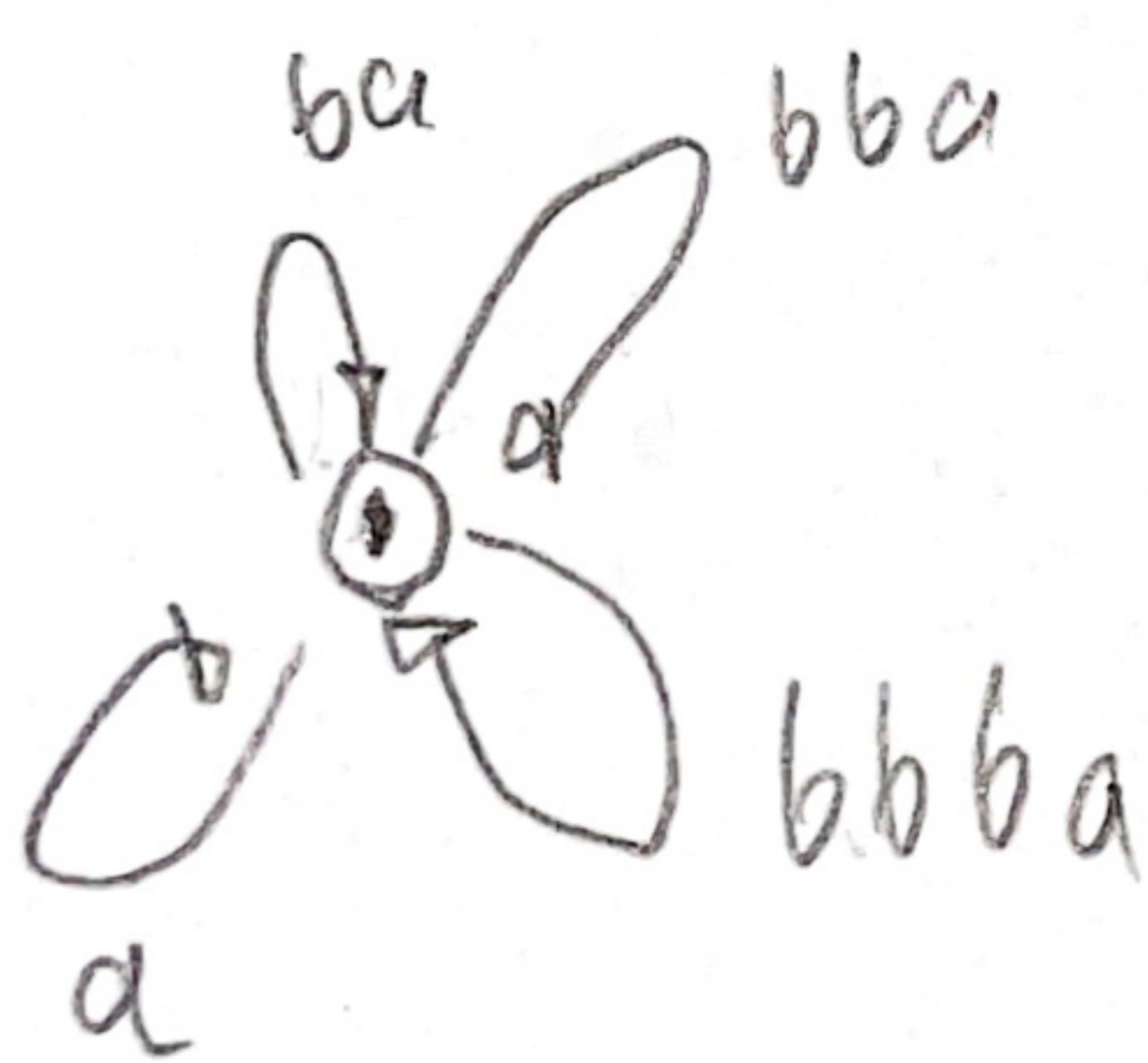
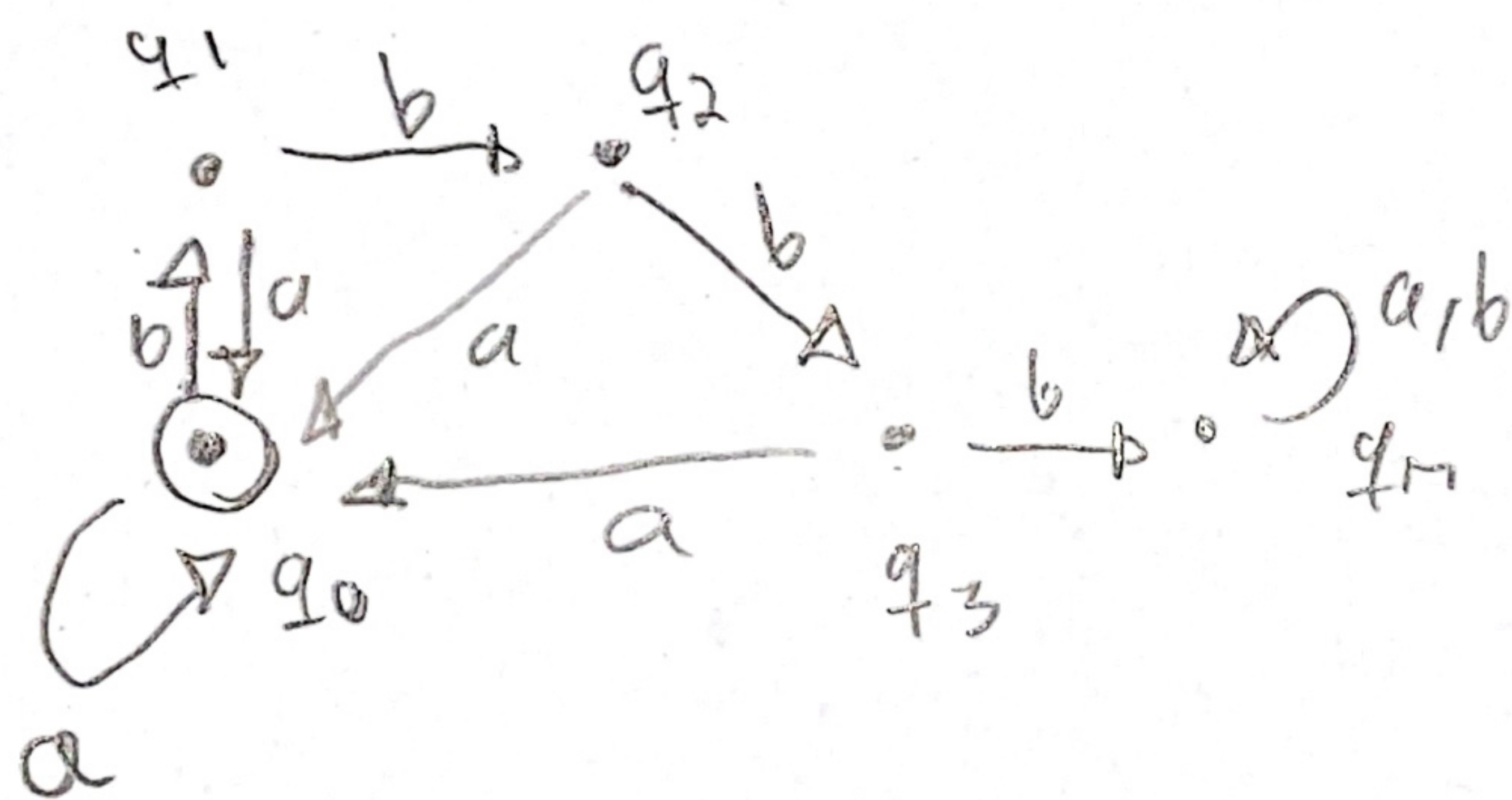


c) $ba(ab \cup ba)^*(ab)^*$



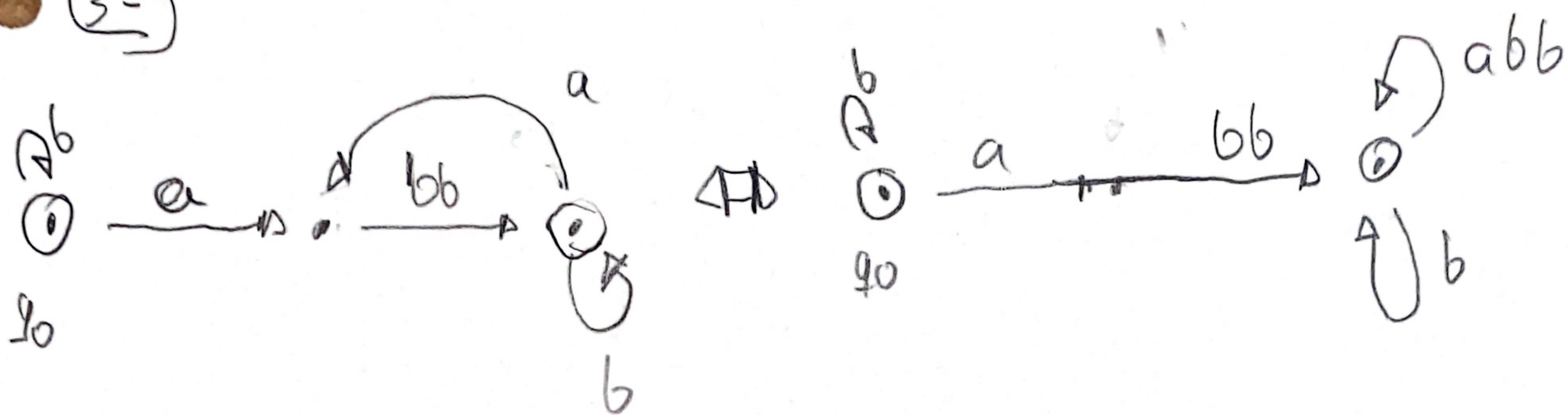
$$d) (abb^*aa^*(ba^*b)^*)^*$$

$$(2-) a^*(ba \cup bba \cup bbbba)^* a^*$$

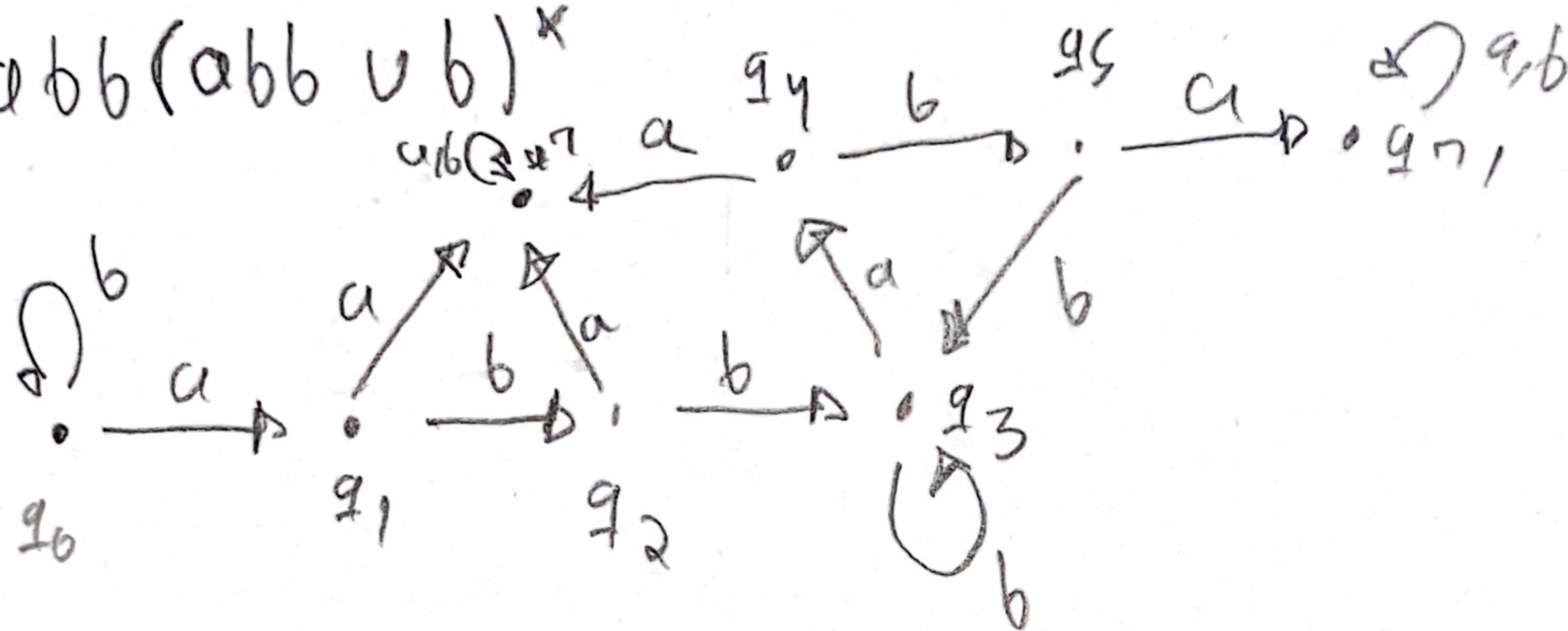


$$(a \cup ba \cup bba \cup bbbba)^*$$

3-



$$= b^* abb(abb \cup b)^*$$



U. Sim.