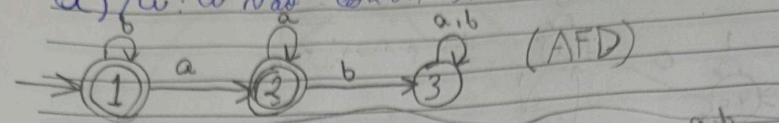


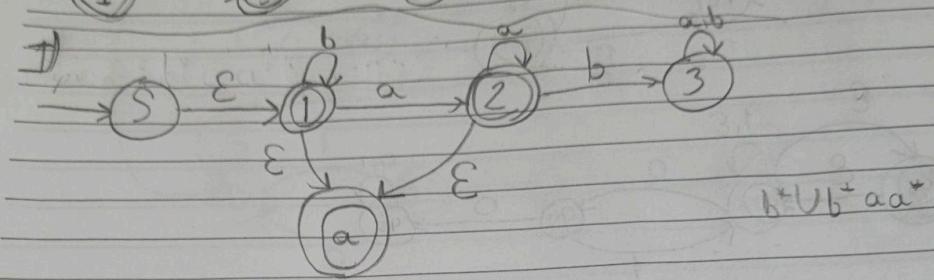
D S T Q Q S S
D L M J V S

I
①

a) $\{w : w \text{ não contém subcadeia } ab\}$

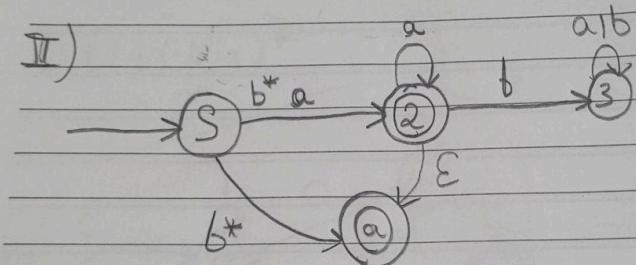


(AFD)

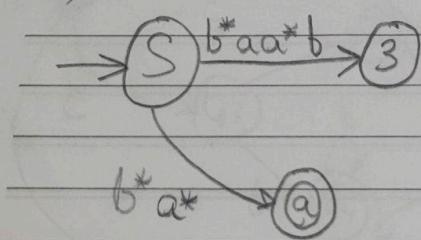


$b^*Ub^*aa^*$

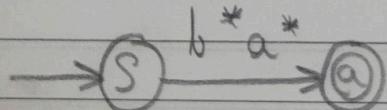
II)



III)

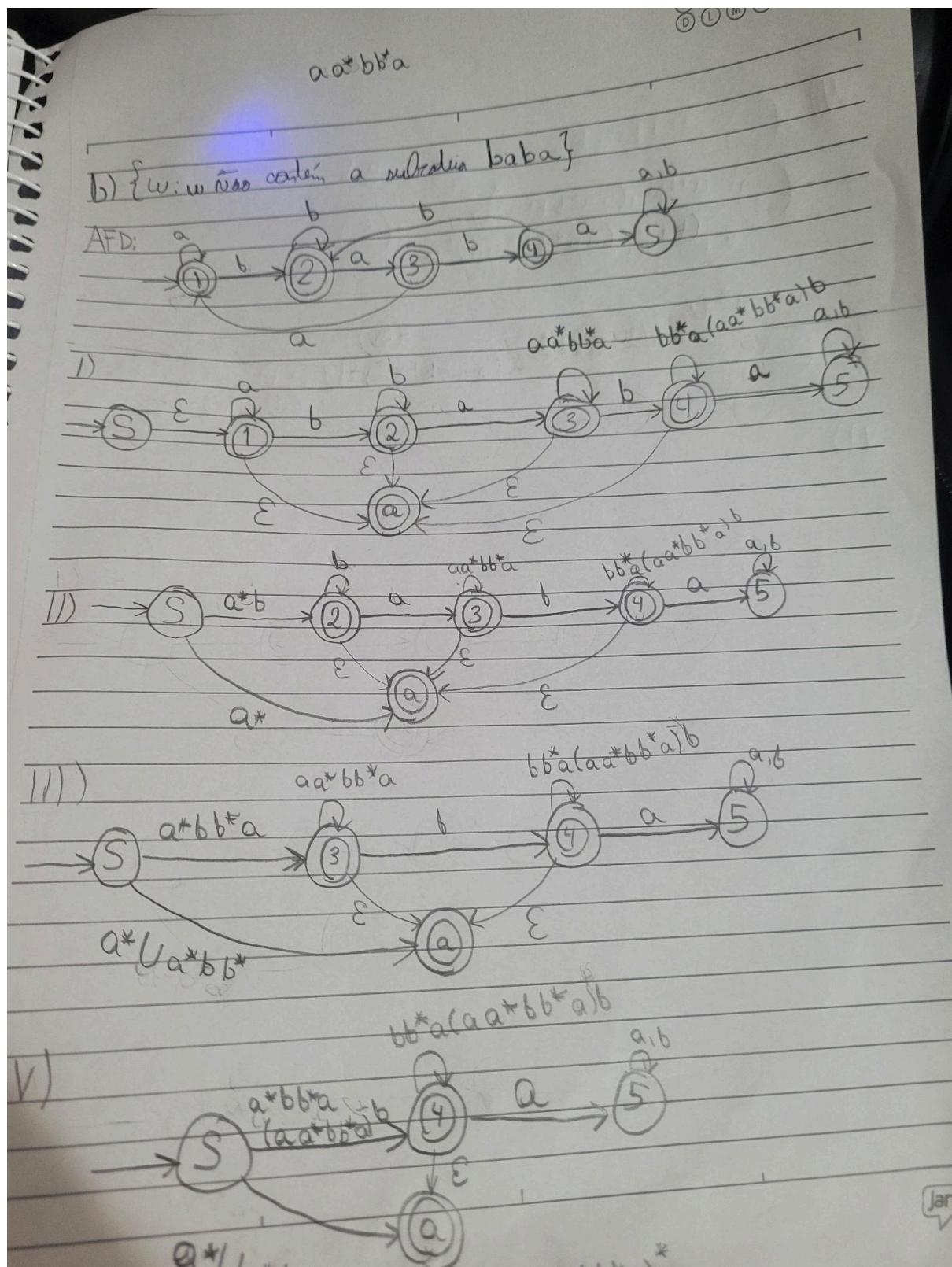


IV)



Expressão: $b^*a^* //$

Jandaia



D S T Q Q S S
D L M M V S

VI)

$$a^*bb^*a(aa^*bb^*a)^*b$$

$$(bb^*a(aa^*bb^*a)^*b)^*a$$

a, b

5

$$a^*Ua^*bb^*Ua^*bb^*a(aa^*bb^*a)^*Ua^*bb^*a(aa^*bb^*a)^*$$

$$(bb^*a(aa^*bb^*a)^*b)^*$$

@

VI)

$$a^*Ua^*bb^*Ua^*bb^*a(aa^*bb^*a)^*Ua^*bb^*a$$

$$(aa^*bb^*a)^*(bb^*a(aa^*bb^*a)^*b)^*$$

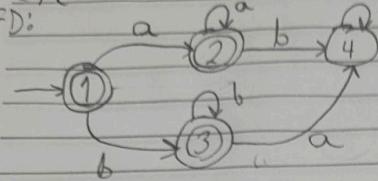
S

@

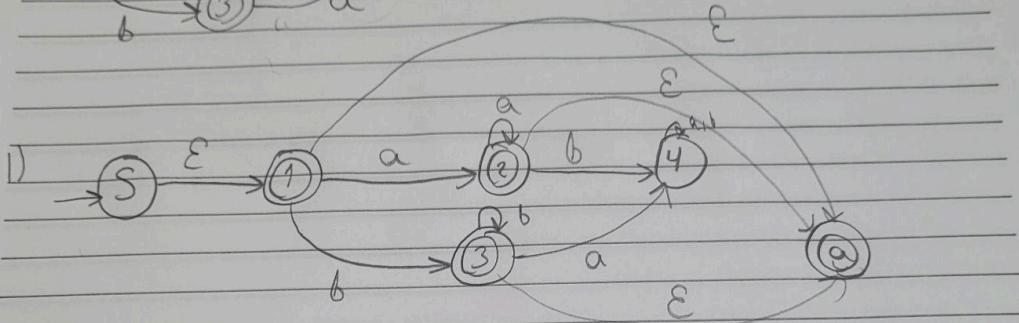
D	S	T	Q	Q	S	S
D	L	M	M	J	V	S

C) $\{w; w \in \text{contém pelo menos uma subcadeia } ab, \text{ ou } ba\}$

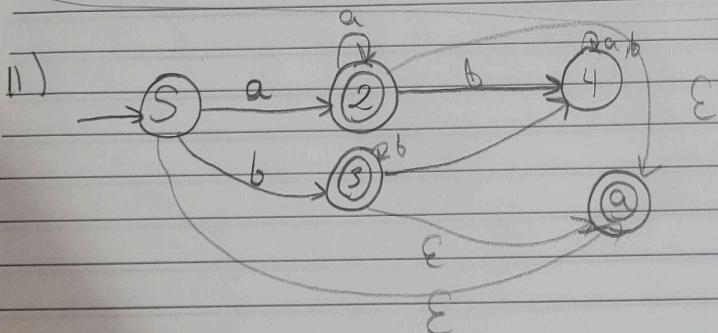
AFD:



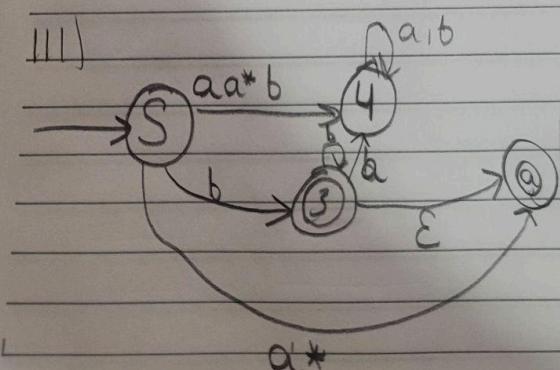
I)



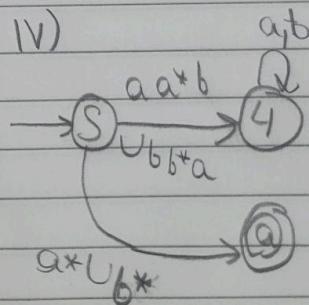
II)



III)



IV)



Expressão: $a^* \cup b^*$

Jandaia