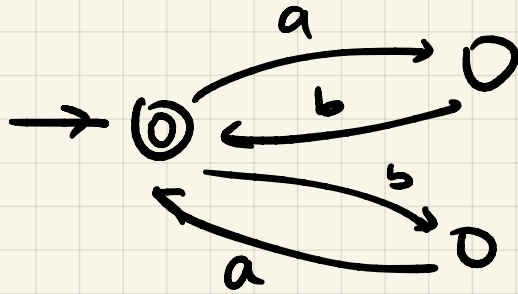
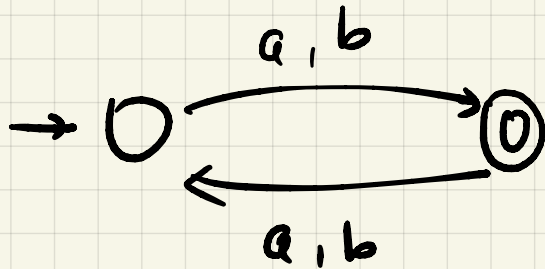


Example 2: What is the language of the following DFA? (Exercise)

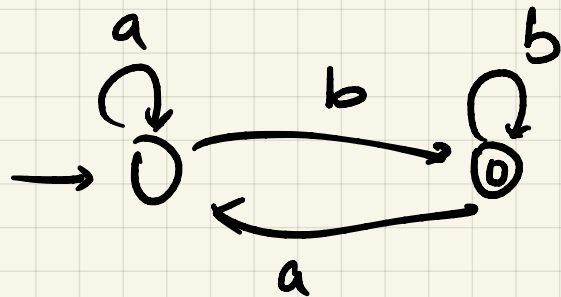
2.1.



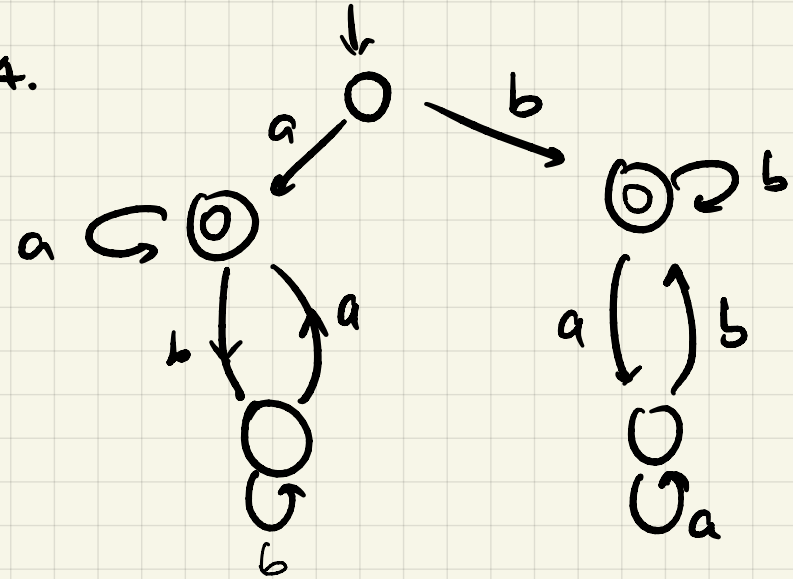
2.2.



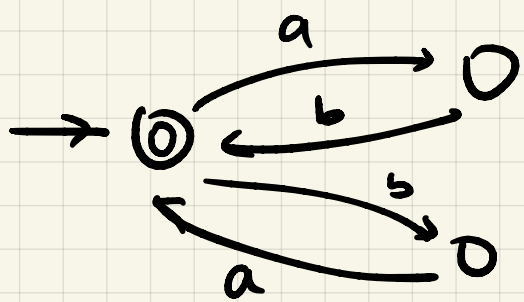
2.3.



2.4.

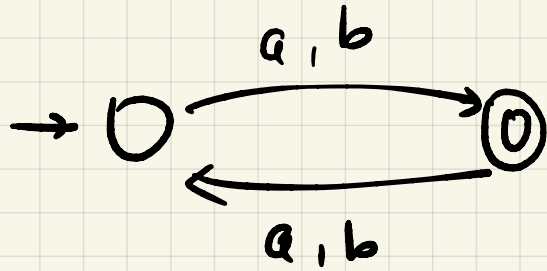


2.1.



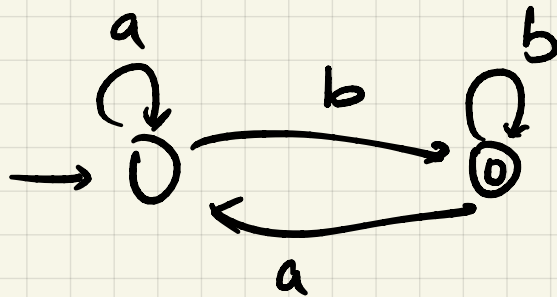
- $(ab + ba)^*$

2.2.



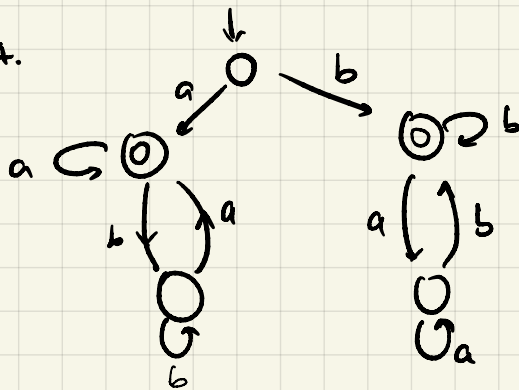
- Set of odd length strings

2.3.



- $(a + b)^* b$

2.4.



- $\{ w_1 w_2 \dots w_k \in (a+b)^* \mid k \geq 1 \text{ and } w_1 = w_k \}$

ie., words which begin and end with the same letter.