Theory Of Automata

Home Task # 1



1) The language L of strings of odd length, defined over $\Sigma = \{a,b\}$, can be written as:

2) The language L of strings that does not start with b, defined over $\Sigma = \{a,b\}$, can be written as:

3) The language L of strings of length 2, defined over $\Sigma = \{a,b,c\}$, can be written as:

4) The language **EVEN**, of strings defined over $\Sigma = \{-,0,1,2,3,4,5,6,7,8,9\}$, can be written as:

$$L = \{..., -6, -4, -2, 0, 2, 4, 6, ...\}$$

5) The language $\{a^nb^na^n\}$, of strings defined over $\Sigma = \{a,b\}$, as $\{a^nb^na^n: n=1,2,3,...\}$, can be written as:

6) The language **FACTORIAL**, of strings defined over $\Sigma = \{a\}$, as $\{a^{n!} : n=1,2,3,...\}$, can be written as: