Draw a DFSM for each of the following languages

\[ \Sigma = \{ a, b, c \} \]

\( L_1 = \{ w \in \Sigma^* \mid |w| \text{ is odd} \} \)

\( L_2 = \{ w \in \Sigma^* \mid w \text{ contains an even number of } a \text{'s} \} \)

\( L_3 = \{ w \in \Sigma^* \mid w \text{'s first character is different from the last character} \} \)

\( L_4 = \{ w \in \Sigma^* \mid w \text{'s first character is the same as the last character} \} \)

\( L_5 = \{ w \in \Sigma^* \mid w \text{ does not any } b \text{'s} \} \)

\( L_6 = \{ w \in \Sigma^* \mid w \text{ contains } a \text{'s only, and } |w| \text{ is even} \} \)

\( L_7 = \{ w \in \Sigma^* \mid w \text{ contains an even number of } c \text{'s followed by an odd number of } a \text{'s or an odd number of } b \text{'s} \} \)

\( L_8 = \{ w \in \Sigma^* \mid w = a^5b*a^5 \} \)

\( L_9 = \{ w \in \Sigma^* \mid |w| \text{ is a multiple of } 4 \} \)

\( L_{10} = \{ w \in \Sigma^* \mid \text{each character in } w \text{ consists of at least } 3 \text{ in a row} \)\)

\[ \text{e.g. aaaabbbbaaacc is acceptable; aabbb is not} \]