Give a RE (regexp) and an NFA for each language below.

1. \( L_1 = \{ s \in \{0,1\}^* : s \text{ contains at least 2 characters and } s\text{'s second character is a 1} \} \)

2. \( L_2 = \{ s \in \{0,1\}^* : s \text{ contains fewer than 2 characters} \} \)

3. \( L_3 = \{ s \in \{a,b\}^* : \text{every } a \text{ in } s \text{ is eventually followed by } b \} \)

4. \( L_4 = \{ s \in \{a,b\}^* : \text{the third-last character of } s \text{ is a } b \} \)

5. \( L_5 = \{ s \in \{a,b\}^* : s \text{ contains some substring of length 4 whose first and last characters are the same} \} \)