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Automata
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Homework #5 Automata

Create regular expressions generating the following languages using the alphabet {0,1}:

- all strings that contain 1's only in even-length subsequences
  - (0*(11)*0*)*
- all strings that contain at least two 0's and/or exactly two 1's
  - ((1*01*0(0|1)*)|(0*110*))
- all strings that contain at least two **0**'s and exactly two **1**'s
  - 0*(000*11|00*100*1|00*110|1000*1|100*100*|11000*)0*
- all strings that do not contain the substring **000**
  - 1*(001|01|1)*
- all strings of odd length that begin and end with the same symbol
  - (1(1|0)(11|10|01|00)*1)|(0(1|0)(11|10|01|00)*0)