

Challenge 2 – DFAs

A software team has a DFA for recognizing all the numbers in binary format that are multiples of 5. In a new project they need to use a DFA able to recognize all the numbers in binary format that are multiples of 5 excepting those numbers that consist of sequences of one or more “01” substrings.

Explain how they could solve it, all the steps you followed to achieve the required DFA, and draw the DFA.