

Assignment 13: Determine whether the string 1011 is described by each of the following regular expressions:

1. 10^*1^*
2. $0^*(10 \mid 11)^*$
3. $1(01)^*1^*$
4. $1^*01(0 \mid 1)$
5. $(10)^*(11)^*$
6. $1(00)^*(11)^*$
7. $(10)^*1011$
8. $(1 \mid 00)(01 \mid 0)1^*$

This is NOT a programming problem; submit your answers in a .docx or .pdf file.

1) Yes this is a solution

5) Yes this is a solution

2) Yes this is a solution

6) No, this is not a solution

3) Yes this is a solution

7) Yes this is a solution

4) Yes this is a solution

8) Yes this is a solution