

DFA EXERCISE

Given the Alphabet $\{a,b,c\}$ construct a DFA which accepts $(a|b)^*c$

Solution

Consider the types of strings which are to be accepted. Starting at the back, we see all must end with a **c**.

Also, notice that $(a|b)^*$ means zero or more **a**(s) and **b**(s) but no **c**'s are possible intermixed with the **a**(s) and **b**(s).

