

## 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).

