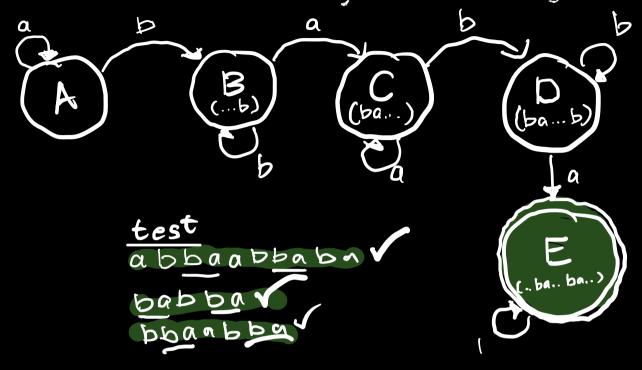
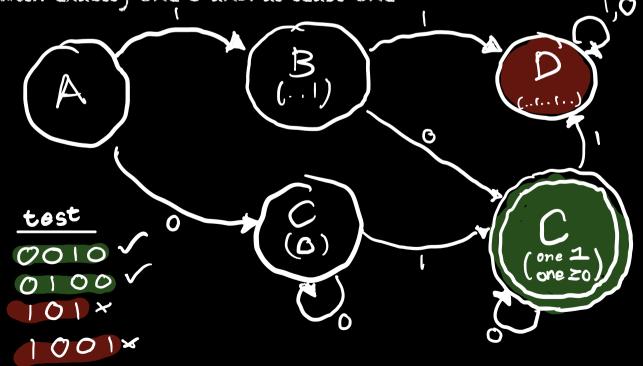
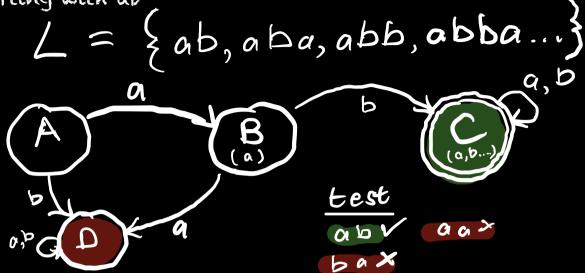
1) Design a DFA for the language over the alphabet {a,b} for all the strings with at least two occurrences of ba. The two occurrences can be anywhere in the string.



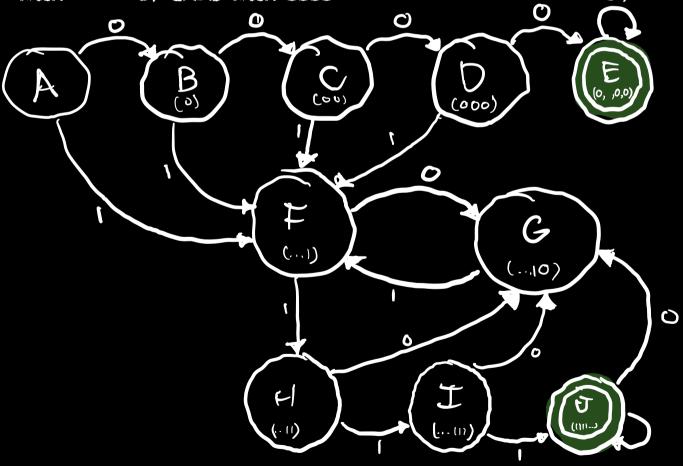
2) Design a DFA over the alphabet {0,1} for all the strings with exactly one 1 and at least one 0



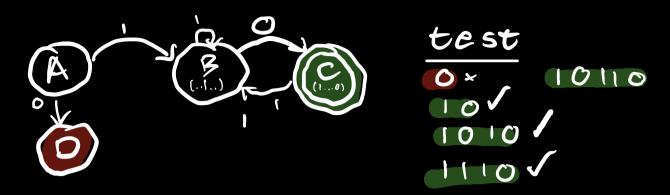
3) Design a language L over {a,b} for all the strings starting with ab



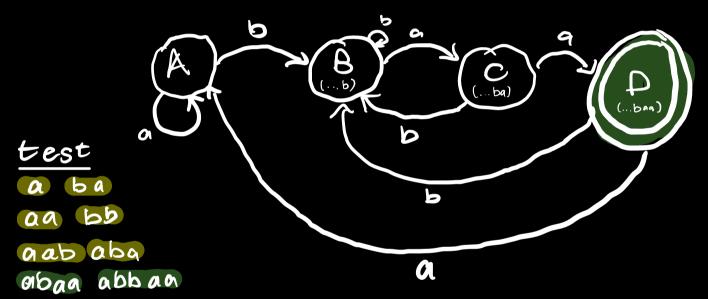
4) Design a DFA over {0,1} for all the strings that begin with 0000 or ends with 1111



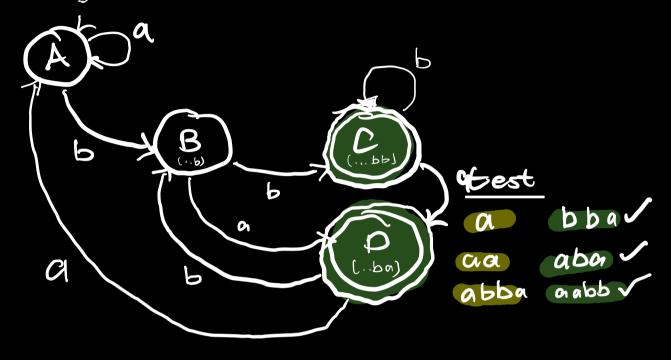
5) Design a DFA over {0,1} for all the strings that start with 1 and ends with 0



6) Design a DFA over {a,b} for all the strings ending with baa



7) Design a DFA for all the strings where the second to last symbol of the word is b. Therefore, all the strings are ending with bb or ba



8) Design a DFA set over all the strings over {a,b} for all the strings that the third symbol to the right is an a, meaning all the strings must end in one of the following: abb, aaa, aab, aba

