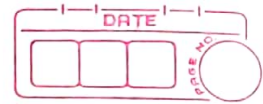
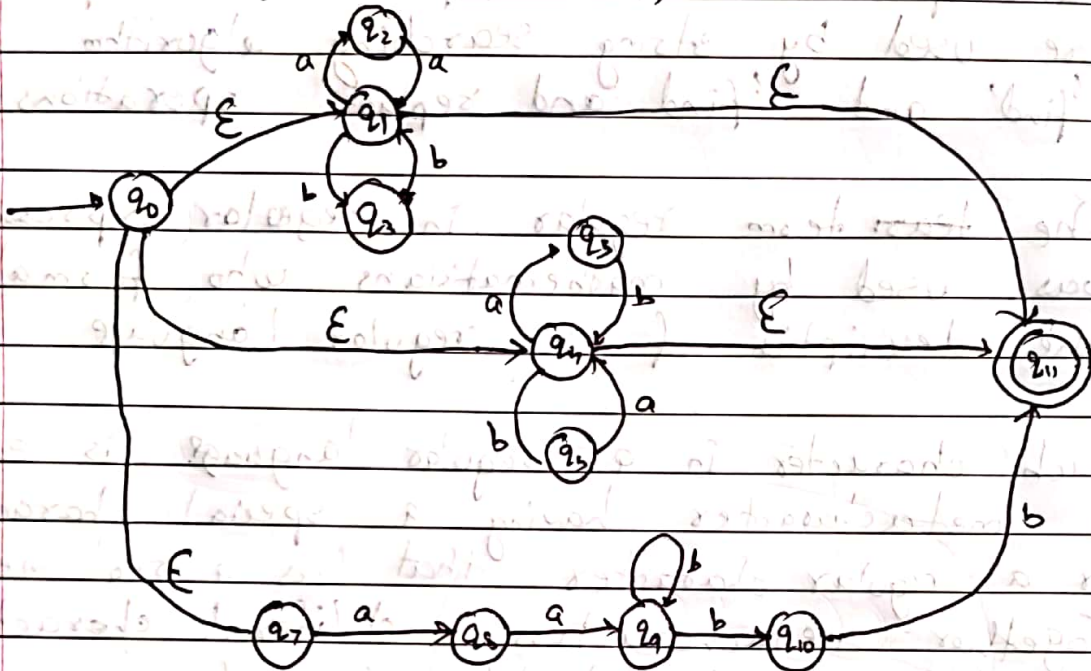


Tutorial



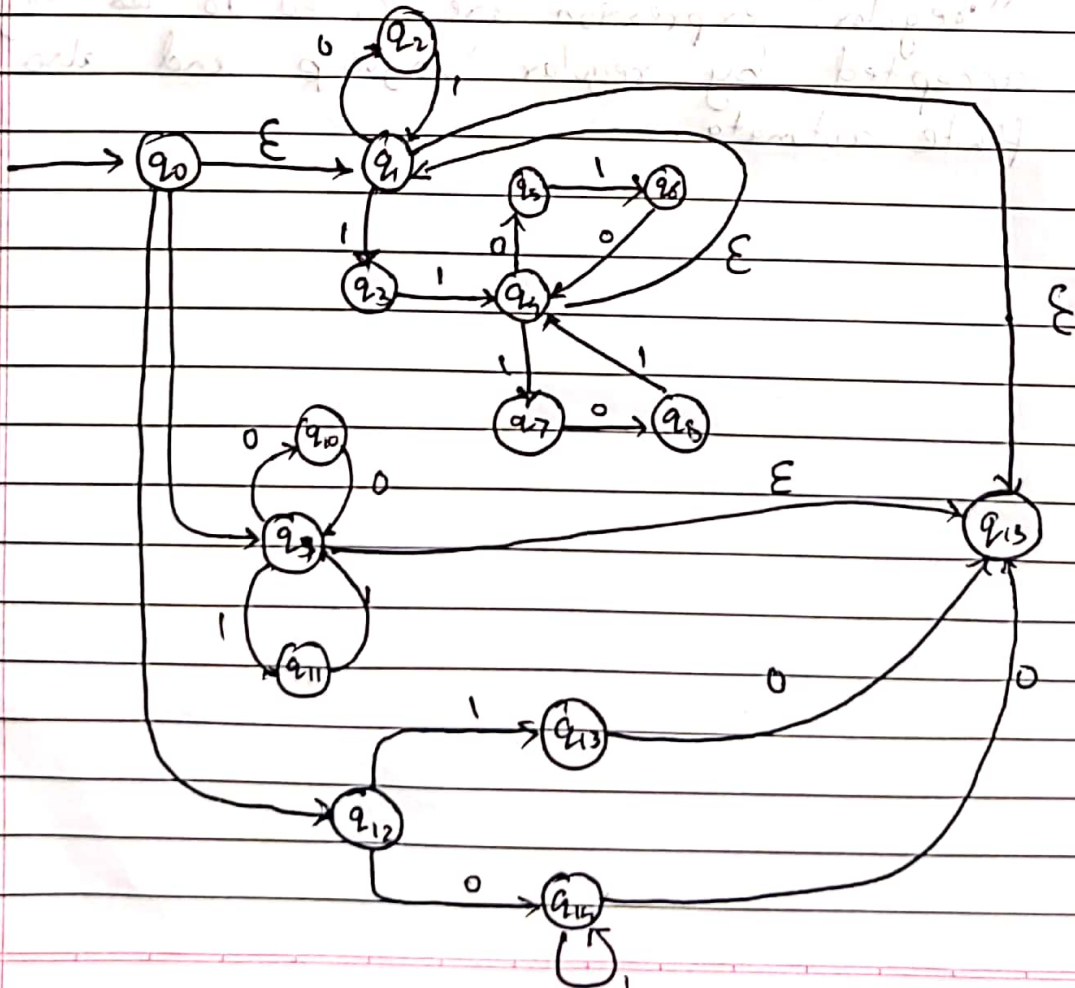
Q1) $(aa + bb)^* + (ab + ba)^* + aab^* bba^*$

Ans)



Q2) $(01 + 11(101 + 010)^*)^* + 1(00 + 11)^* + 0(10 + 01^*0)$

Ans)



Q2) A regular expression is a sequence of characters that specifies a search pattern. Such patterns are used by string searching algorithm for 'find' and 'find and replace' operations.

The term regular in regular expression was used by mathematicians who formalized the description of a regular language.

Each character in a regular language is either a metacharacter having a special character or a regular character that has a real meaning. Together metacharacters and literal characters can be used to identify text of a given pattern or process a number of instances of it.

• "regular" expressions are called so as they are accepted by regular language and also by finite automata.