

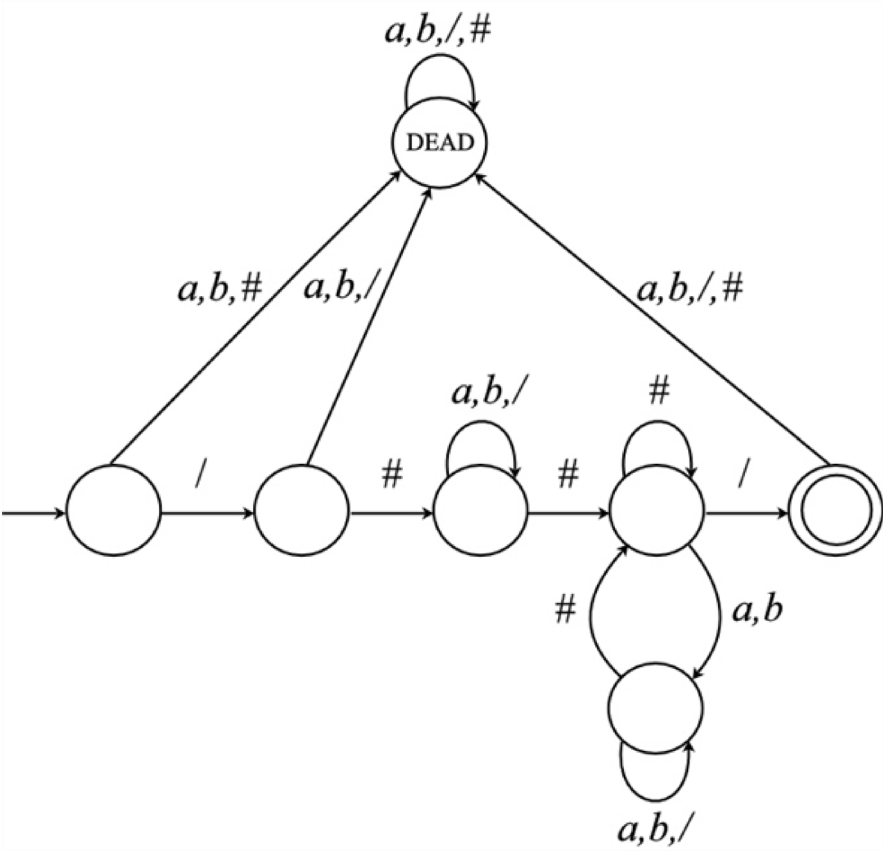
获得的答案

返回

- (a) Consider the language C of all valid delimited commented strings
- A member of C must begin with `'/#'` and end with `'#/'` but have no intervening `'#/'`.
 - The alphabet of C is $\Sigma = \{a,b,/, \#\}$

Let M be the DFA that recognize the language C.

The state diagram of M is as follows



So this is the DFA that recognizes the languages of C.

(b) The regular expression that generates language C is,

$$/ \# (a + b + /)^* \# (\# + (a + b)(a + b + /)^* \#)^* /$$