$P = \{ S \to abS,\ S \to bcS,\ S \to bbS,\ S \to q,\ S \to cb \}$

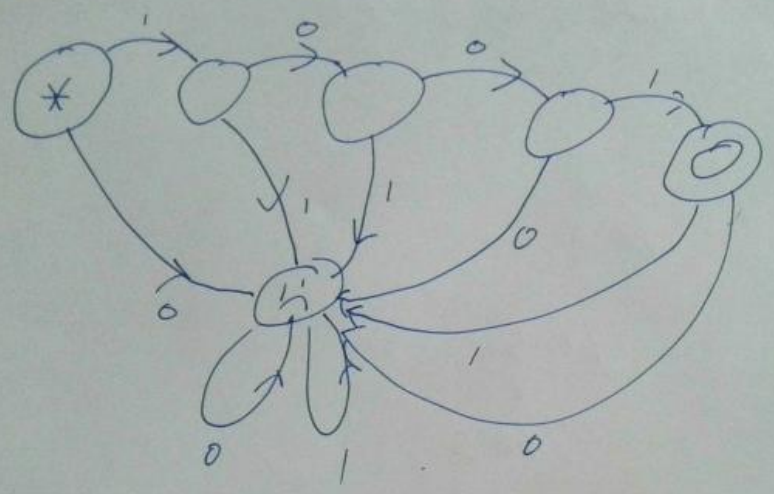
bbbcbbq

bb bc bbb q

bb S

?

1001



... B 1101 B B B ...

.. B 1101 1 B B ...

1001
1000
100100100
10010100
100

10)

1

. . . BB0110101BB . . .

↑ ↑↑ ⇒ ↑

(S0, B, S0, B, R)

(S0, 0, S1, 0, R)

(S0, 1, S1, 1, R)

(S1, 0, S1, 0, R)

(S1, 1, S1, 1, R)

(S1, B, S2, 1, R)

11)

0.0

101000X10011110, B

(S0, 0, S0, 0, R)

(S0, 1, S1, 1, R)

(S0, B, S9, B, R)

// found a 1

(S1, 0, S0, 0, R)

(S1, B, S9, B, R)

(S1, 1, S2, 0, L) // found 11

// Clean this 1

(S2, 1, S9, 0, L)

$3 \mid 15$ $\quad\quad$ $3 \nmid 16$

$\exists i \in \mathbb{Z} : 15 = 3 \cdot i$

$$n! = \begin{cases} n \cdot (n-1)! & n > 1 \\ 1 & n = 1 \end{cases}$$

$P = \{ AB \to aBBc \;/\; \ldots$

$w_1 \Rightarrow w_2 \Rightarrow w_3 \Rightarrow w_4$

$w_1 \overset{*}{\Rightarrow} w_4$

$S \overset{*}{\Rightarrow} w$

$HABX$

$HaBBcX$