

[REGULAR GRAMMAR]

M	T	W	T	F	S	S
Page No.:	YOUVA					
Date:						

Q. $(0+1)^* 00 (0+1)^*$

$$\begin{aligned} S &\rightarrow 1S \\ S &\rightarrow 01S \\ S &\rightarrow 0A \\ A &\rightarrow 0B \\ B &\rightarrow 1B \\ B &\rightarrow 10B \\ B &\rightarrow \lambda \end{aligned}$$

RIGHT GRAMMAR

GRAMMAR

Q. $(0+1)^* 0$

$$\begin{aligned} S &\rightarrow 0S \\ S &\rightarrow 1S \\ S &\rightarrow 0 \end{aligned}$$

RLG

①

101010

$$\begin{aligned} S &\rightarrow 1S \\ S &\rightarrow 0S \\ S &\rightarrow 1S \\ S &\rightarrow 0S \\ S &\rightarrow 1S \\ S &\rightarrow 0S \end{aligned}$$

Read



$S \rightarrow T_0$
 $T \rightarrow T_1 (01 + 1)$
 $T \rightarrow T_0$
 $T \rightarrow \lambda$

LEFT LINEAR
GRAMMER

101010

21 ← 2

210 ← 2

A0 ← 2

→ 21 ① → A

→ 21 ② → 8

→ 21 ③ → 8

→ 21 ④ → 8

→ 21 ⑤ → 8

→ 21 ⑥ → 8

→ 21 ⑦ → 8

$WAQS \rightarrow T_1 T_0 S$

$S \rightarrow T_1 T_0$

$S \rightarrow T_0 T_0$

$S \rightarrow T_1 T_0 T_0$

$S \rightarrow T_0 T_1 T_0 T_0$

$S \rightarrow T_1 T_0 T_0 T_0 T_0$

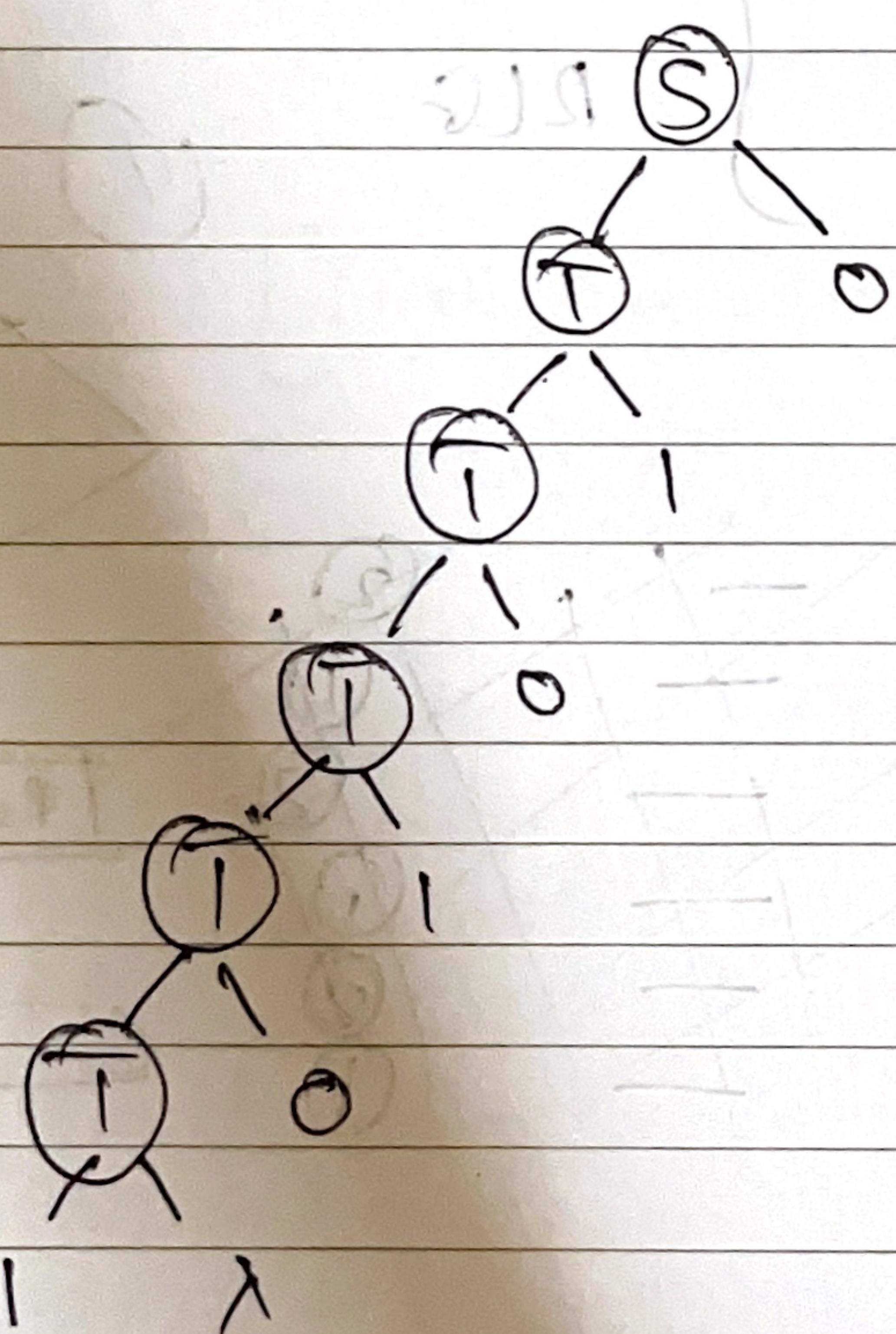
$S \rightarrow T_0 T_1 T_0 T_0 T_0$

20 ← 2

21 ← 2

0 ← 2

010101



BRAGIN [RECEIVED]

29/12

CONVERT FROM LEFT TO RIGHT
LINGAR OR VICE VERSA

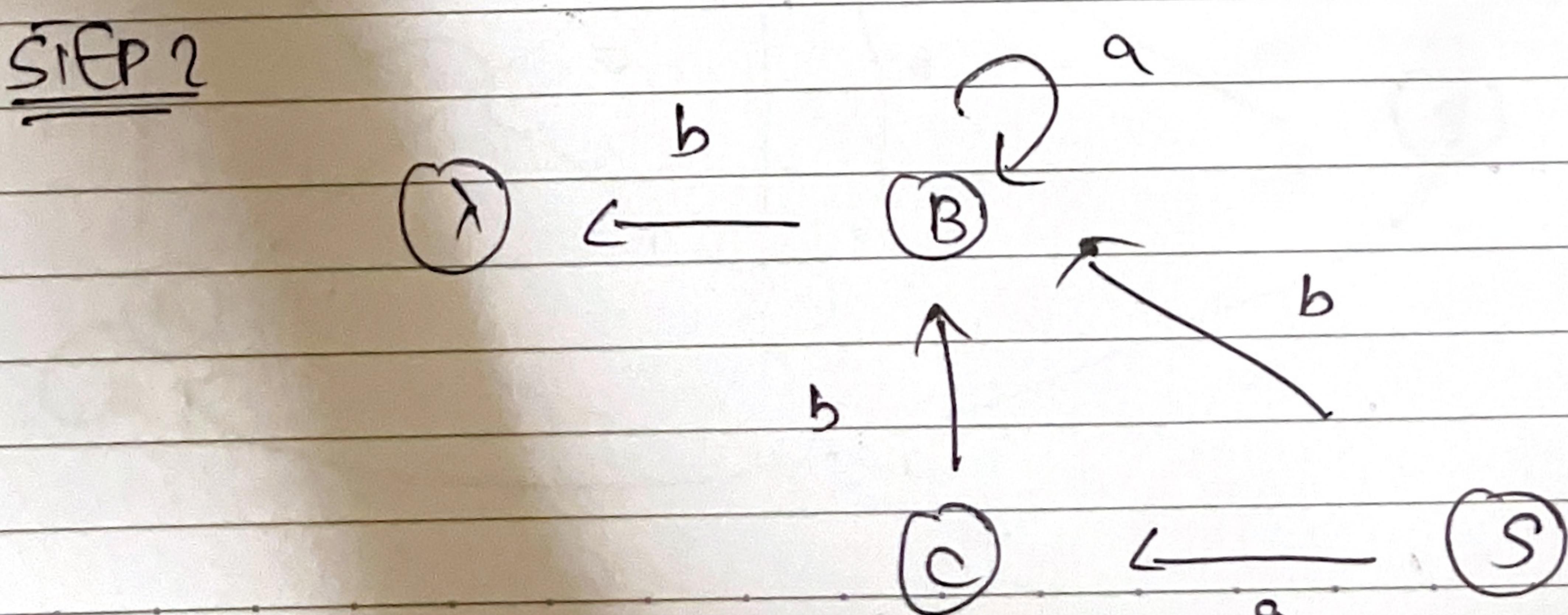
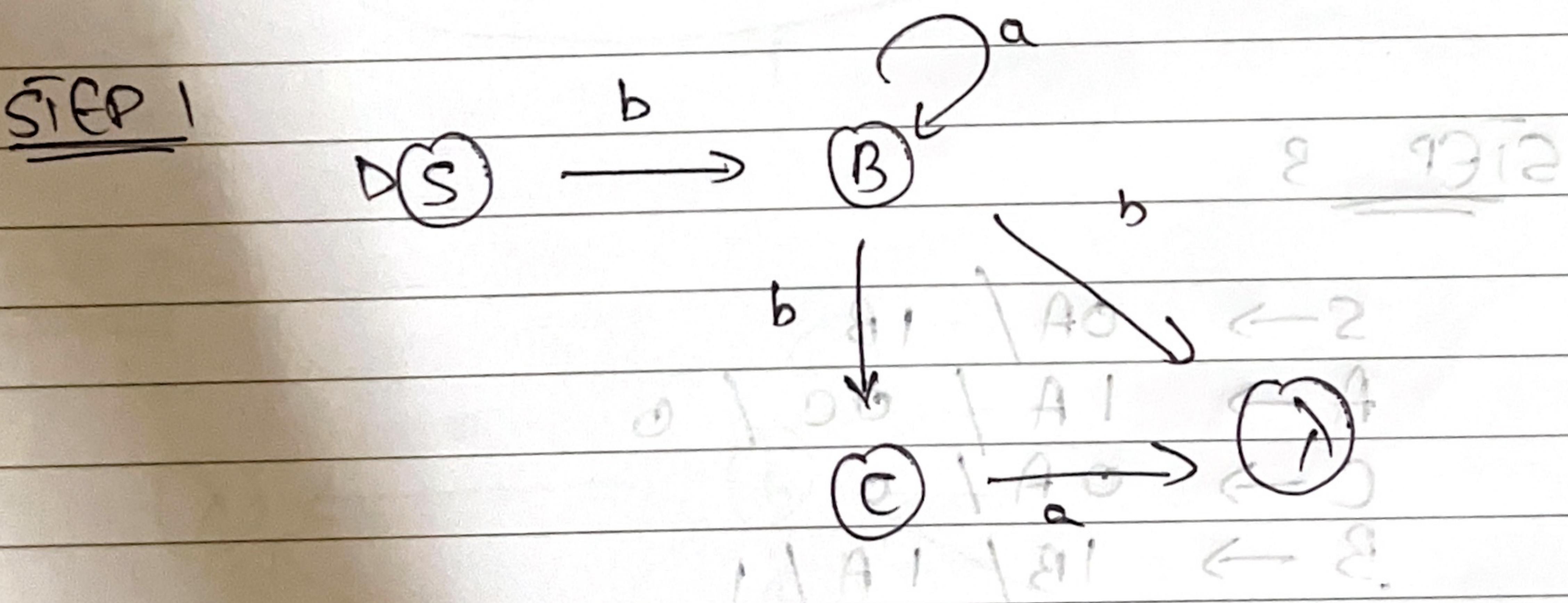
① $S \rightarrow S_a$
 $S \rightarrow X_b$
 $X \rightarrow a$

} LEFT

② $S \rightarrow bB$
 $B \rightarrow bC$
 $B \rightarrow aB$
 $C \rightarrow a$
 $B \rightarrow b$

} RIGHT

ANS ② —



③

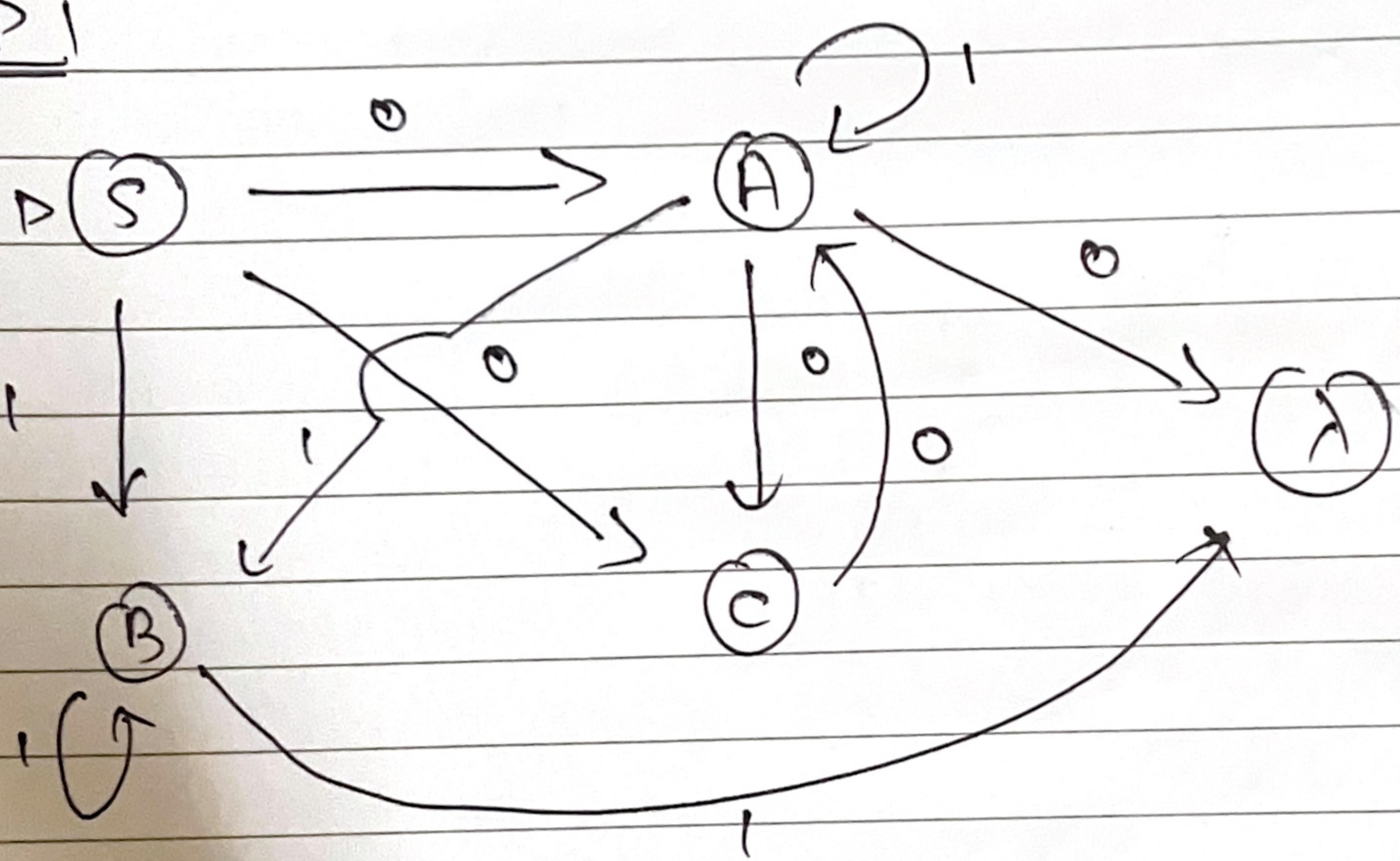
$$S \rightarrow B1 / A0 / C0$$

$$A \rightarrow C0 / A1 / B1 / 0$$

$$B \rightarrow B1 / 1$$

$$C \rightarrow A0$$

STEP 1



STEP 2

