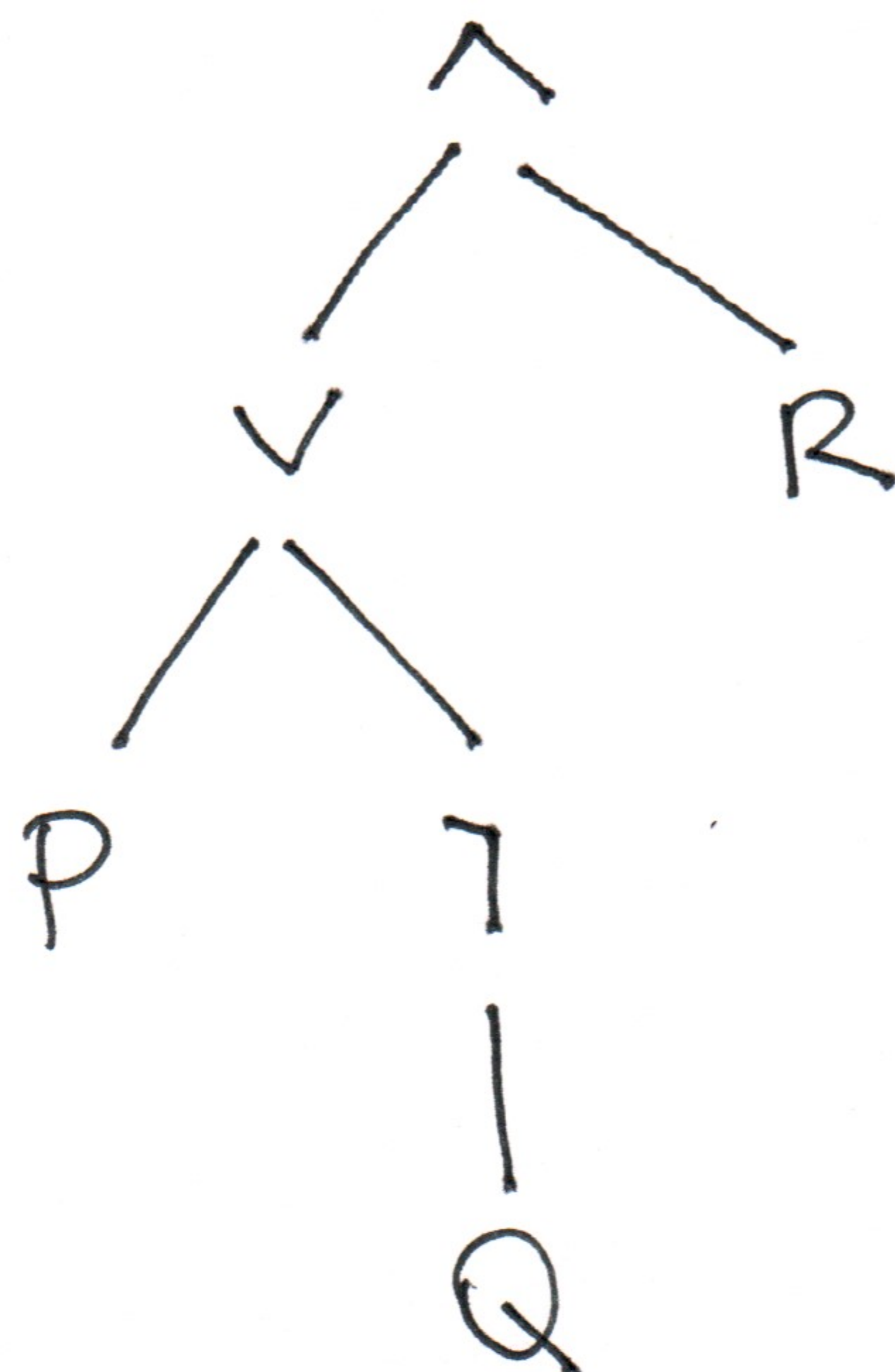


①

26-9-16

$$(P \vee \neg Q) \wedge R$$



	P	Q	R	$\neg Q$	$P \vee \neg Q$	$(P \vee \neg Q) \wedge R$
v_0	0	0	0	1	1	0
x v_1	0	0	1	1	1	1
v_2	0	1	0	0	0	0
v_3	0	1	1	0	0	0
v_4	1	0	0	1	1	0
x v_5	1	0	1	1	1	1
v_6	1	1	0	0	1	0
x v_7	1	1	1	0	1	1

$$P=0, Q=0, R=1$$

$$P=1, Q=0, R=1$$

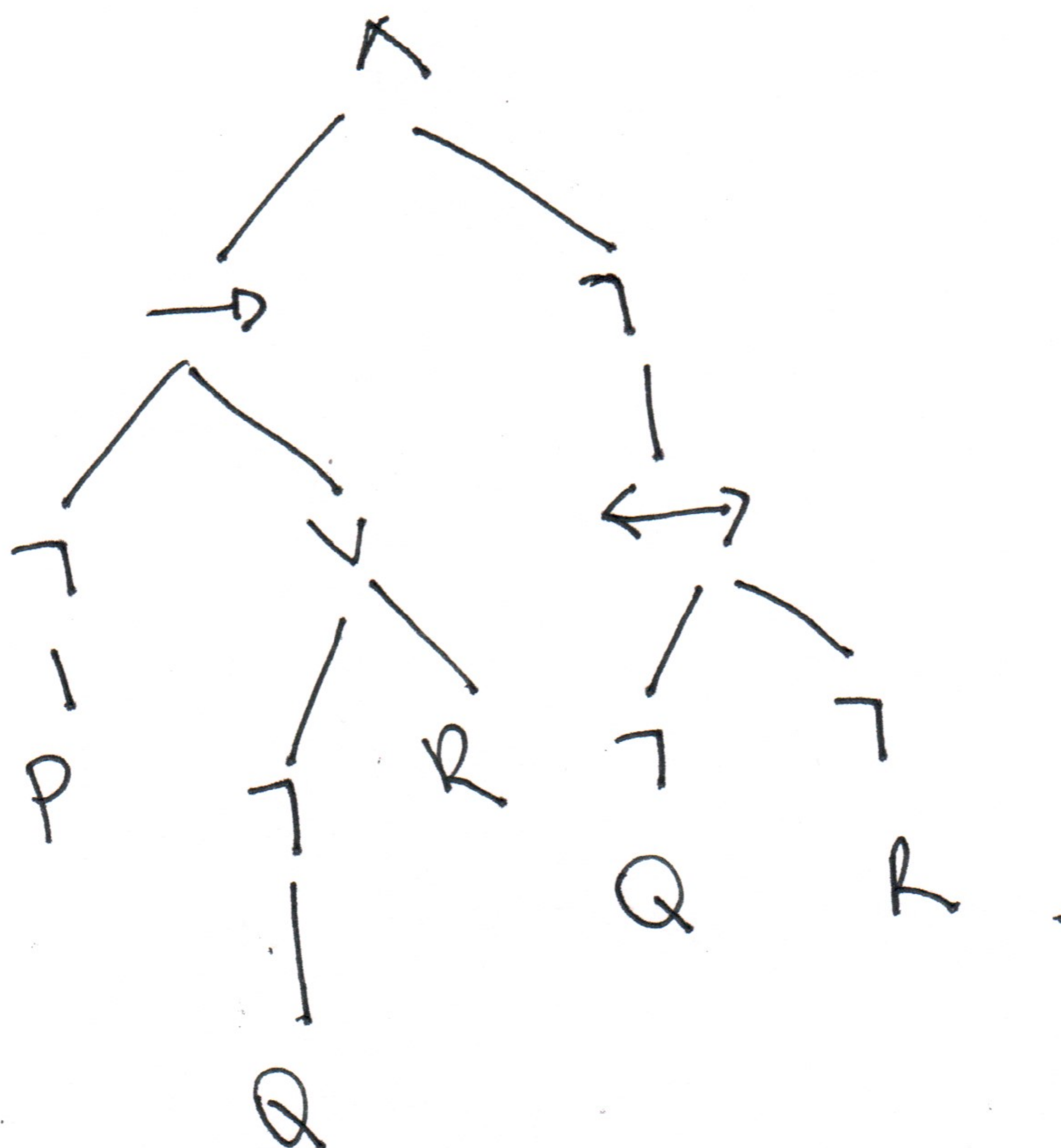
$$P=1, Q=1, R=1$$

make the formula true.

②

TUT 1, Q2

$$(\neg P \rightarrow (\neg Q \vee R)) \wedge \neg(\neg Q \leftrightarrow \neg R)$$



TUT 1, Q3

$$\boxed{A} \rightarrow \boxed{B}$$

$\boxed{(P \vee \neg Q)} \rightarrow \boxed{\neg(Q \vee \neg P)}$

P	Q	$\neg Q$	$\neg P$	$\overbrace{P \vee \neg Q}^A$	$Q \vee \neg P$	$\overbrace{\neg(Q \vee \neg P)}^B$	→
0	0	1	1	1	1	0	0
0	1	0	1	0	1	0	1
1	0	1	0	1	0	1	1
1	1	0	0	1	1	0	0