

3. (a)

A $\square \rightarrow \square B$

B $\square \rightarrow \square C \rightarrow \square G$

C $\square \rightarrow \square E$

D $\square \rightarrow \square C \rightarrow \square E$

E $\square \rightarrow \square F$

F $\square \rightarrow \square C \rightarrow \square E \rightarrow \square G$

G $\square \rightarrow \square B \rightarrow \square C$

(b)

	A	B	C	D	E	F	G
A	0	1	0	0	0	0	0
B	0	0	1	0	0	0	1
C	0	0	0	0	1	0	0
D	0	0	1	0	1	0	0
E	0	0	0	0	0	1	0
F	0	0	1	0	1	0	1
G	0	1	1	0	0	0	0

3. (c)

	A	B	C	D	E	F	G
A	0	0	0	0	0	0	0
B	1	0	0	0	0	0	1
C	0	1	0	1	0	1	1
D	0	0	0	0	0	0	0
E	0	0	1	1	0	1	0
F	0	0	0	0	1	0	0
G	0	1	0	0	0	1	0

A ☐

B ☐ → ☐A → ☐G

C ☐ → ☐B → ☐D → ☐E → ☐G

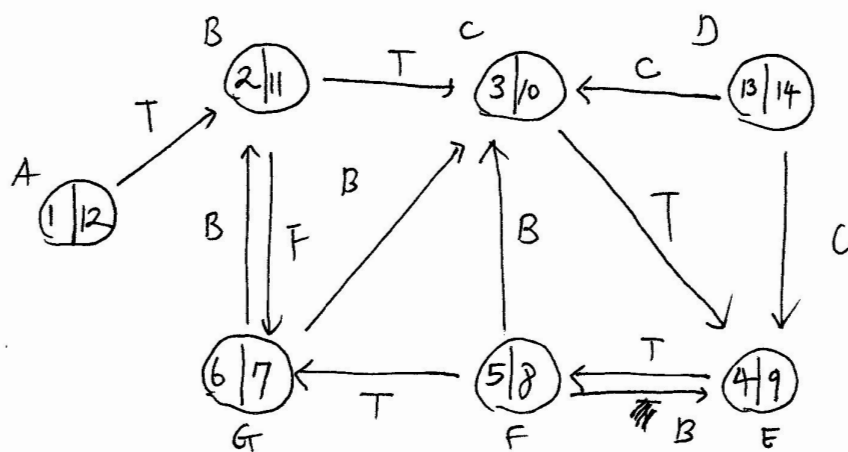
D ☐

E ☐ → ☐C → ☐D → ☐F

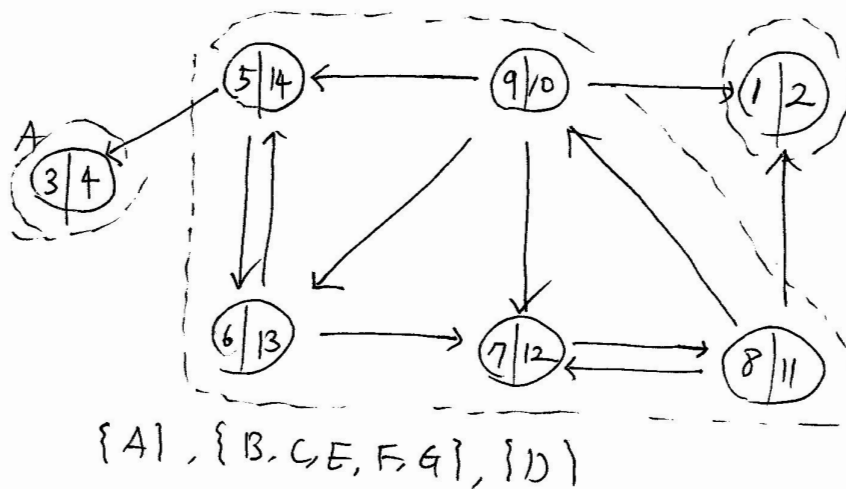
F ☐ → ☐E

G ☐ → ☐B → ☐F

3. (d)



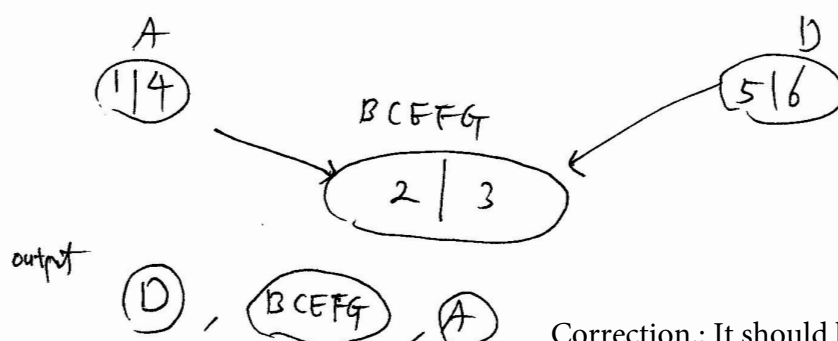
(e)



(f)



(g)



Correction.: It should be corrected to
 $\{D\}, \{A\}, \{B, C, E, F, G\}$