Flow chart conventions.
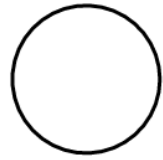
Symbols :-

○ ⇒ Steady state process.
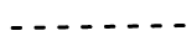
▭ ⇒ Un-steady state process.
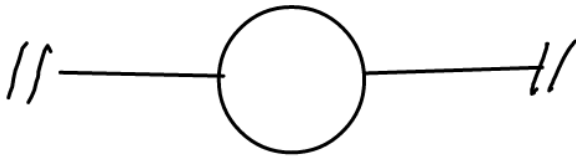
—— ⇒ Continuous stream of materials.

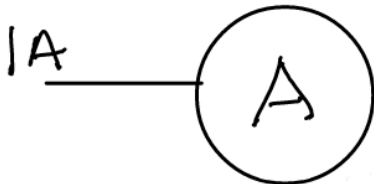- - - - - - ⇒ Material transferred in a single instant.

//—○—// ⇒ Recycle stream.

Nomenclature :-

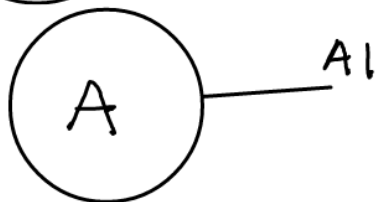(A) ⇒ Process named A.

IA—(A) ⇒ Stream named IA -
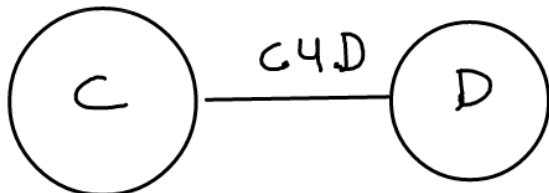
(C)—C4D—(D) ⇒ Streams named C4D.

(A)—A1 ⇒ Stream named A1

Tabulating data :-

Problem statement :- A stream with temperature T_1, pressure P_1 and flowrate f_1 enters the process. Another stream with temperature T_2, pressure P_2 and flow rate f_2 enters the same process.

The output stream from the above process has temperature T_3, pressure P_3. This enters the second process. Two streams come out of the second process. Both having the temperature T_4 & pressure P_4. and one having the flowrate f_4 . .

Data :- Processes :- $2 \Rightarrow$ A & B (both steady state).

Streams : $5 \Rightarrow$ 1A, 2A, A3B, B4, B5 .

Table ;-

	1 A	2A	A3B	B4	B5
Temp.	T_1	T_2	T_3	T_4	T_4
pressure	P_1	P_2	P_3	P_4	P_4
flowrate	f_1	f_2	?	f_4	?

Flow chart !