

Problem statement : Apply PassI of a two pass Macro Pre-processor to the following Macro Definitions and generate MNT, MDT, KPDTAB.
Show the contents of PNTAB for each Macro Definition.

```
MACRO
M1      &X,      &Y,      &A=AREG,      &B=
MOVER   &A,      &X
ADD     &A,      ='1'
MOVER   &B,      &Y
ADD     &A,      ='5'
MEND
```

```
MACRO
M2      &P,      &Q,      &U=CREG,      &V=DREG
MOVER   &U,      &P
MOVER   &V,      &Q
ADD     &U,      ='15'
ADD     &V,      ='10'
MEND
```

Solution

MNT

MNT Index	Name of Macro	#PP	#KP	MDTP	KPDTP
1	M1	2	2	1	1
2	M2	2	2	6	3

KPD TAB

KPDTP	Name of keyword parameter	Default value (if any)
1	A	AREG
2	B	-----
3	U	CREG
4	V	DREG

MDT and PNTAB

MDT		PNTAB for Macro M1	
1	MOVER (P,3), (P,1)	1	X
2	ADD (P,3), ='1'	2	Y
3	MOVER (P,4), (P,2)	3	A
4	ADD (P,3), ='1'	4	B
5	MEND		
6	MOVER (P,3), (P,1)	PNTAB for Macro M2	
7	MOVER (P,4), (P,2)	1	P
8	ADD (P,3), ='15'	2	Q
9	ADD (P,4), ='10'	3	U
10	MEND	4	V