Input:
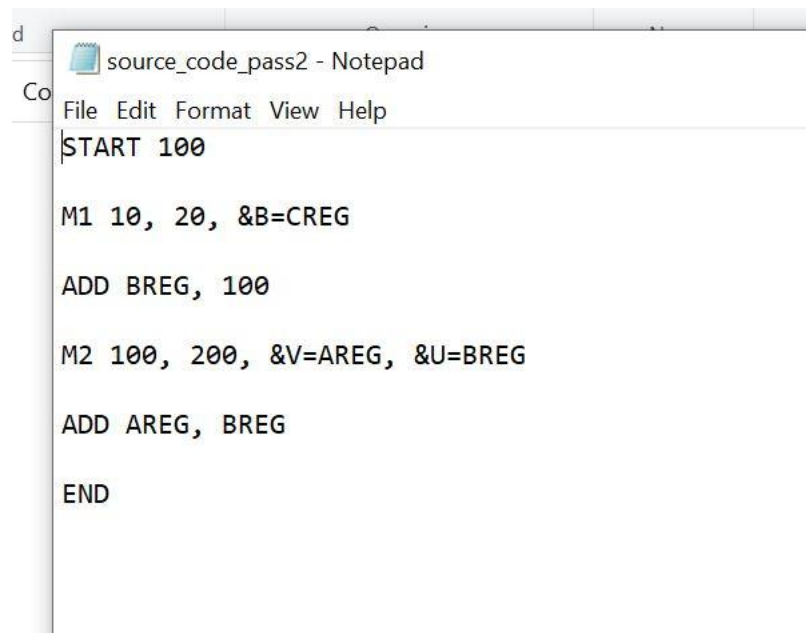
Source Code:

```
source_code_pass2 - Notepad
File  Edit  Format  View  Help
START 100

M1 10, 20, &B=CREG

ADD BREG, 100

M2 100, 200, &V=AREG, &U=BREG

ADD AREG, BREG

END
```
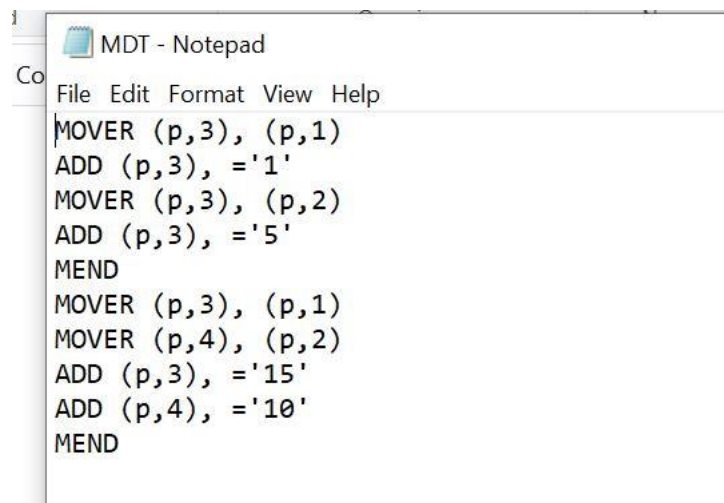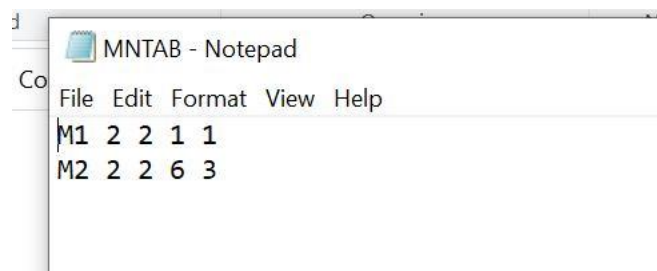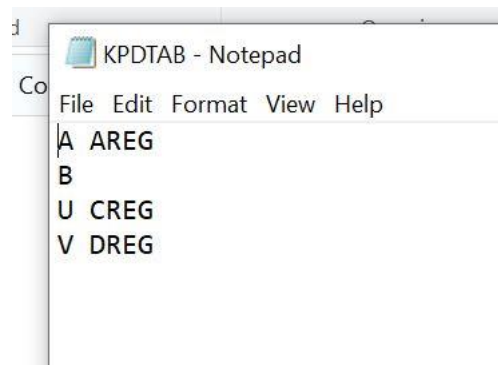
MDT:

```
MDT - Notepad
File  Edit  Format  View  Help
MOVER (p,3), (p,1)
ADD (p,3), ='1'
MOVER (p,3), (p,2)
ADD (p,3), ='5'
MEND
MOVER (p,3), (p,1)
MOVER (p,4), (p,2)
ADD (p,3), ='15'
ADD (p,4), ='10'
MEND
```

MNT:

```
MNTAB - Notepad
File  Edit  Format  View  Help
M1 2 2 1 1
M2 2 2 6 3
```
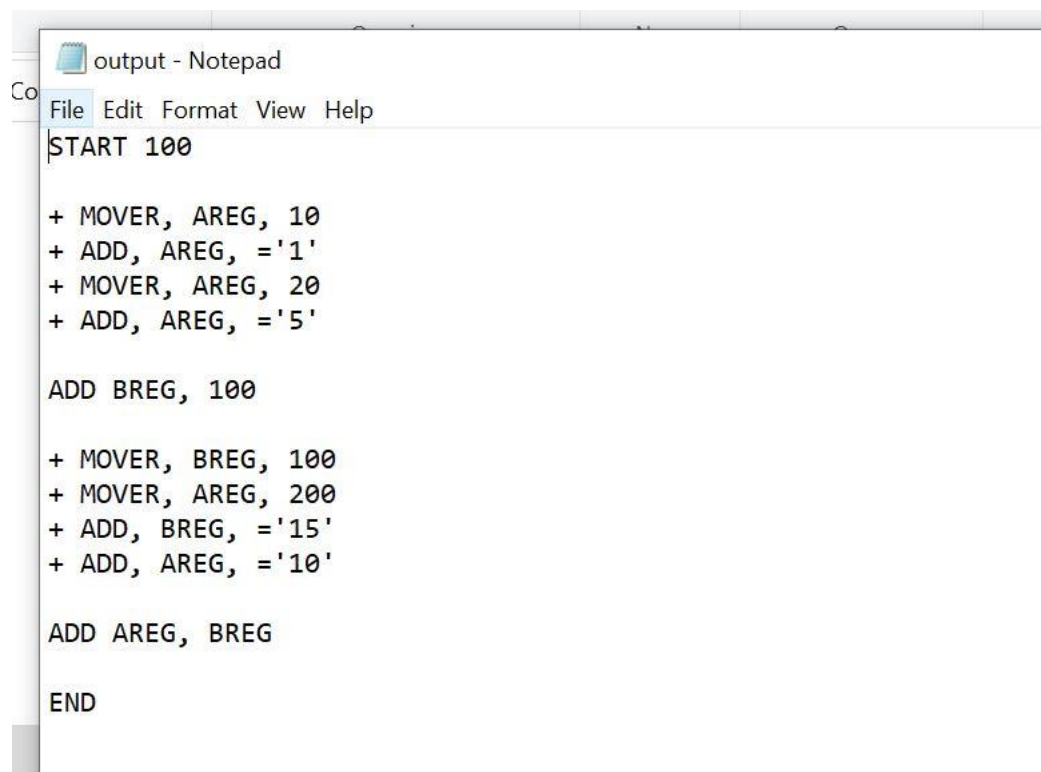
KPDT:

KPDTAB - Notepad

File Edit Format View Help

```
A AREG
B
U CREG
V DREG
```

Output:

Final Output File – Macro Expansion is show by lines which starts with '+'

output - Notepad

File Edit Format View Help

```
START 100

+ MOVER, AREG, 10
+ ADD, AREG, ='1'
+ MOVER, AREG, 20
+ ADD, AREG, ='5'

ADD BREG, 100

+ MOVER, BREG, 100
+ MOVER, AREG, 200
+ ADD, BREG, ='15'
+ ADD, AREG, ='10'

ADD AREG, BREG

END
```

APT:

```
Processing Start for Macro: M1
10
20
AREG
CREG
Processing Start for Macro: M2
100
200
BREG
AREG
```