


```

Var x
Begin < Input x;
Loop [ x >= 0 ] // or If
Begin
    Output x;
    x : x - 1;
End
End

```

Nov 15-2:03 PM

IF in assembly

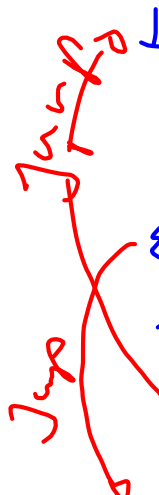
1. Evaluate cond
 - Left - Right
 - Result is in Acc
 2. Jump below if cond False
 3. Execute the cond. stat
 4. Jump position
- 

Nov 15-2:19 PM

```
READ x
LOAD x
SUB 5
BRZPOS out
LOAD 0
SUB x
STORE x
out: NOOP
WRITE x
STOP
x 0
```

Nov 15-3:00 PM

Loop in asm

1. Test condition
 - Left - Right
 - Result in ACC
 2. Jump below on False
 3. Execute loop stat (5)
 4. Jump above unconditional
 5. Jump below position
- 

Nov 15-2:38 PM

```
READ x
above: LOAD x
SUB 0
BRNEG out
WRITE x
LOAD x
SUB 1
STORE x
BR above
out: NOOP
STOP
x 0
```

Nov 15-3:00 PM