Module 10b  
Due the next class meeting after the 2nd half of Module 10 is done in class.

Each of the sample code segments below has a MII>1. Why? Show your work for full credit.

**loopA:**
```
ldh *a_m++, a
ldh *b_m++, b
add a,5,c
mpy a,c,d
[b0] sub b0,1,b0
[b0] b loopA
```

**loopB:**
```
ldw *a_m++, a
ldw *b_m++, b
mpysp a,b,prod
addsp sum,prod,sum
[b0] sub b0,1,b0
[b0] b loopB
```

**loopC:**
```
ldh *a_m++, a
ldh *b_m++, b
mpy a,c,c
add b,c,d
[b0] sub b0,1,b0
[b0] b loopC
```

Note: *addsp* and *mpysp* are floating-point instructions that are like their integer counterparts, except their results don’t appear until 3 cycles later.