Module 10  
Due the next class meeting after Module 10 is done in class.

1. Software pipeline the loop below. Show your dependency graph, scheduling table and final code including the prolog and epilog. Hint: You will need to use a Multi-Cycle Loop. Why?

```plaintext
loop:
    ldh  *a_m++, a
    ldh  *b_m++, b
    add  a, b, c
    mpy  c, prod, prod
[i]  sub  i,1,i
[i]  b    loop
```