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?**

```
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
```