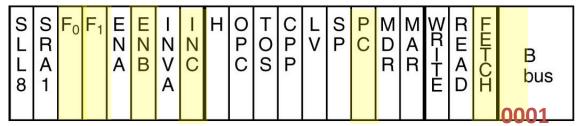
CPSC 359 Microarchitecture Practice Questions

1. Write equivalent JAS code to the following Java statement. Assume i and j are local variables.

2. What does the DP do based on the following (partial) microinstruction?



- 3. Recall that ISA-level IADD pops two words off the stack and pushes their sum. How many Mic-2 data path cycles are needed in order perform IADD? Informally describe each of these cycles. (ignore the IFU in Mic-2)
- 4. Assume that IJVM has the ISA-level instruction HWIPUSH *hword*, which pushes a 2 byte value onto the stack. Write MAL code to interpret the new instruction.