

6-2 Solutions:

- a.) The operations that cannot be pipelined are the sum operations. This is because some instructions are used as outputs and inputs and these cannot be pipelined.
- b.) The best case CPE for the loop is 3 because the latency of float addition is 3 cycles.
- c.) View 6-2.c
- d.) The slope of the inner1 loop is 2.086×10^{-5} and the slope of the inner2 loop is 1.21×10^{-5} . Since the inner2 function has a smaller slope than the inner1 function, this means that the inner2 function is more efficient than the inner1 function.

