A. For degree n, how many additions and how many multiplications does this code perform?
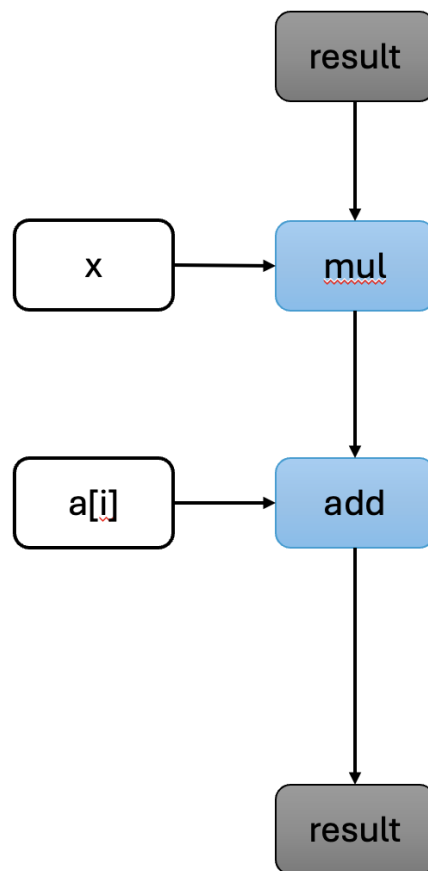Both operation perform n times.

B. .

Floating point multiplication will use 5 clock cycle and floating point add will use 3 clock cycle. And this two operation cannot perform in parallel.

C. .
In 5.5 this the multiplication can be done in parallel with the addition, because the operand in the multiplication is not dependent with the result in last iteration.