## Counting FLOPs (floating-point operations)

- · Floating-point numbers, "floats" : (inexact) machine rep. of R
- o Floating-point operations: (+,-, x, =) with floats
- · Much slower than integer operations (consists of soveral integer operations)
- · A way of estimating efficiency of algorithm: count FLOPs
- o Note: FLOPS us FLOPS (flating-point op per second)
  La measure of computer performance

$$y = ab + c$$

· Ex 2)

$$Y_i = \alpha Y_{i-1} + i$$

· Ex 3)

Better :

for 
$$i = 1, ..., n$$