

CAP - LC-3 exercise

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Add one to array elements

In this exercise, you have to complete the routine `add` so that it adds 1 to all elements of memory between `R0` and `R1`.

First, give a pseudo-code, then translate into the LC3 assembly.

```
        .ORIG x3000    ;
        LEA R0,debut   ;
        LEA R1,fin     ;
        JSR add        ; call add
        HALT           ; termine le programme

; data
debut:  .FILL #1
        .FILL #3
        .FILL #5
        .FILL #7
fin:    .FILL #9

; add routine
; R0 and R1 are given, R0<=R1
; do not modify R0 and R1!
; R2 : pointer
; R3 : register for computations
add:
;      ### TODO HERE ###
        .END
```