

```

int addTh(int *v, int n, int t)
{
    int i, val, acc = 0;

    for(i = 0; i < n; i++) {
        val = v[i];
        if (val < t)
            acc = acc + val;
    }

    return acc;
}

```

```

addTh:
    xorl    %eax, %eax           ; acc = 0
    testl   %esi, %esi          ; n <= 0
    jle    .L3                   ; ir a L3
    subl   $1, %esi              ; * n = n - 1
    xorl   %ecx, %ecx           ; i = 0;
    leaq   4(,%rsi,4), %r9       ; * r9 = n
.L5:
    movl   (%rdi,%rcx), %esi     ; val = v[i]
    leal   (%rax,%rsi), %r8d     ; r8 = acc + val
    cmpl   %edx, %esi            ; si val < t
    cmovl  %r8d, %eax            ; acc = r8
    addq   $4, %rcx              ; i = i + 1
    cmpq   %r9, %rcx            ; si i != r9
    jne    .L5                   ; sigue
.L3:
    rep
    ret

```