```
Dump of assembler code for function main:
  0x00000000000006aa <+0>:
                            sub
                                  $0x18,%rsp
                                                                 SCANF ("% 2", PM);
  0x000000000000006ae <+4>:
                                  0xc(%rsp),%rsi
                            lea
                                  0xba(%rip),%rdi_
  0x00000000000006b3 <+9>:
                            lea
  0x00000000000006ba <+16>:
                            mov
                                   $0x0,%eax
                                                                     CHAR FORMAT[3]="7,d"

DEFORMATEO]
  0x00000000000006bf <+21>:
                            callq
                                                 scanf@plt>
                                  $0x0,0xc(%rsp)
0x6e1 <main+55>
  0x000000000000006c4 <+26>:
                            cmpl
  0x00000000000006c9 <+31>:
                            js
                                  0xae(%rip),%rdi
  0x00000000000006cb <+33>:
                                                       # 0x780
                            lea
  0x000000000000<del>006d2 <+40></del>:
                            callq
                                  0x570 <puts@plt>
  0x000000000000006d7 <+45>:
                                   $0x0,%eax
                            add
                                  $0x18,%rsp
  0x00000000000006dc <+50>:
  0x00000000000006e0 <+54>:
                            retq
  0x00000000000006e1 <+55>:
                            lea
                                  0x8f(%rip),%rdi
                                                       # 0x777
  0x0000000000000006e8 <+62>:
                            callq
                                  0x570 <puts@plt>
 0x00000000000006ed <+67>:
                                  0x6d7 <main+45>
                            jmp
       RSP = CZJOO +
                                 0xc = 0x10C
        INT mi
        SCANF ("1.2", FM);
      • if (m-0 (0) }
              CLOTO NEW;
                                                                                         int main() {
                                                                                           int n;
       + (RINTF (" POSITIVO");
                                                                                           scanf("%d", &n);
                                                                                           if (n > 0) {
         PINAL .
              RETURN O;
                                                                                              printf("Positivo");
      -D NEW :
                                                                                            } else {
              PRINTE"NEGATIVO");
                                                                                              printf("Negativo");
                                                                                            }
               GOTO FINAL;
                                                                                            return 0;
```

```
ESI -DINT b; (PARAM)
ROI -DINT * VEC
  0x0000000000000000 <+10>:
                                  0x15 <soma+21>
                            jmp
  0x0000000000000000 <+12>:
                            movsla
                                  %edx,%rcx ←
                                  (%rdi,,%rcx,4),%eax
  0x000000000000000f <+15>:
                            add
  0x0000000000000012 <+18>:
                            add
                                  $0x1,%edx
                                  %esi,%edx i-ésima
  0x0000000000000015 <+21>:
                            cmp
  0x0000000000000017 <+23>:
                            jl
                                  0xc <soma+12>
  0x000000000000019 <+25>:
                            repz retq
                                  RDI=OXJOO

RCX=OXJ EAX += RDI[RCX]
int soma(int *vec, int b) {
  int a = 0;
  int res = 0;
  goto verifica;
  faz soma:
    res += vec[a];
    a ++;
   verifica:
                                            OXJOY RAM[RDi+4*RCX]
      if (a < b) {
        goto faz soma;
      return res:
 }
                                  CHARO 1 23 456
      int soma(int *vec, int n) {
                                               int soma(int *vec, int n) {
         int sum = 0;
                                                 int sum = 0;
        for (int i = 0; i < n; i++) {
                                                 int i = 0;
           sum += vec[i];
                                                 while (i < n) {
         }
                                                   sum += vec[i];
         return sum;
                                                   i++;
      }
                                                 return sum;
```