

current sp

```
HIGH
                                int add (int a, int b) &
             Ь
 [2
                                     īnt c;
  8
             a
                                     C = Q+b;
         return address
 .4
                                      return c;
                     ebp FP
         old
               ebp
  0
                                ζ
                                    global add
            esi
                                    ·text
                                    add: #prolog
 -8
            edi
                                    push % ebp
                                                    esp: top of stack
  -12
            ebx
                                    movi % esp % ebp
 -16
             Ċ
                                    Push edi esi ebp ebx
F0W
                                          $4 , % esp
                                     movi 12(% ebp), % ebx
                                     addi
                                          8(%ebp), %ebx
                                           % ebx , -( % ebp)
                                     MOVI
                                     movi -16(%ebp), % eax hetval
                                     add1 $4, % esp
                                     restore 3 values # pop cox, edi, esi
```