Необходимый адрес возврата

```
(gdb) disas
Dump of assembler code for function main:
   0x00000000004011e8 <+0>:     endbr64
   0x00000000004011ec <+4>:     push   %rbp
   0x00000000004011ed <+5>:     mov    %rsp,%rbp
   0x00000000004011f0 <+8>:     sub    $0x10,%rsp
=> 0x00000000004011f4 <+12>:    movl   $0x5,-0x4(%rbp)
   0x00000000004011fb <+19>:    lea    0xe07(%rip),%rax
   0x0000000000401202 <+26>:    mov    %rax,%rdi
   0x0000000000401205 <+29>:    call   0x401070 <puts@plt>
   0x000000000040120a <+34>:    call   0x401196 <IsPassOk>
   0x000000000040120f <+39>:    mov    %eax,-0x4(%rbp)
   0x0000000000401212 <+42>:    cmpl   $0x0,-0x4(%rbp)
   0x0000000000401216 <+46>:    jne    0x401231 <main+73>
   0x0000000000401218 <+48>:    lea    0xdfa(%rip),%rax
   0x000000000040121f <+55>:    mov    %rax,%rdi
   0x0000000000401222 <+58>:    call   0x401070 <puts@plt>
   0x0000000000401227 <+63>:    mov    $0x1,%edi
   0x000000000040122c <+68>:    call   0x4010a0 <exit@plt>
   0x0000000000401231 <+73>:    lea    0xdef(%rip),%rax
   0x0000000000401238 <+80>:    mov    %rax,%rdi
   0x000000000040123b <+83>:    call   0x401070 <puts@plt>
   0x0000000000401240 <+88>:    mov    $0x0,%eax
   0x0000000000401245 <+93>:    leave
   0x0000000000401246 <+94>:    ret
```

Исходный адрес возврата

```
(gdb) x/16bx $rbp
0x7fffffffdd80: 0xa0    0xdd    0xff    0xff    0xff    0x7f    0x00    0x00
0x7fffffffdd88: 0x0f    0x12    0x40    0x00    0x00    0x00    0x00    0x00
```

Измененный адрес возврата

```
(gdb) n
9               gets(Pass);
(gdb)
10              return 0 == strcmp(Pass, "test");
(gdb) x/16bx $rbp
0x7fffffffdd80: 0x50    0x72    0x6f    0x62    0x61    0x62    0x6c    0x79
0x7fffffffdd88: 0x31    0x12    0x40    0x00    0x00    0x00    0x00    0x00
```

вывод программы

```
uwu@uwuntu-host:~/Study/linux-eltex/5-functions$ ./password_validate < password_little_endian
Enter password:
Access granted!
Ошибка шины (образ памяти сброшен на диск)
```

Содержимое файла password_little_endian

```
00000000  72 69 67 68 74 50 61 73 73 57 72 64 50 72 6F 62 61 62  rightPassWrdProbab
00000012  6C 79 31 12 40 00 00 00 00 00                          ly1.@.....
```