```
$ python3 solve32.py
b'\x90^\xdf\xf70h\xdf\xf7\xa6\x83\x04\x0
8`U\xda\xf70o\xdf\xf7'
b'0h\xdf\xf7\xa6\x83\x04\x08`U\xda\xf70o
\xdf\xf7'
```

Too Many Bytes?

puts() keeps printing until it hits a null-byte, only the first 4-bytes are relevant to us

Powered by the libc-database search API

Search

Symbol name
gets

Address
0xf7d45e90

REMOVE

Symbol name
puts

Address
0xf7d46830

REMOVE

Symbol name

Address

REMOVE

FIND

Results

libc6_2.15-0ubuntu10.18_i386
libc6_2.15-0ubuntu10.16_i386
libc6_2.15-0ubuntu10.15_i386
libc6_2.15-0ubuntu10.17_i386
libc6_2.15-0ubuntu10.14_i386
libc6_2.15-0ubuntu10.23_i386
libc6-i386_2.35-0ubuntu1_amd64
libc6-i386_2.35-0ubuntu3.1_amd64
libc6-i386_2.35-0ubuntu3_amd64

LIBC.RIP

Using trial and error,
bottom 3 LIBCs are valid

ret2libc.c

35 mins to pwn ret2libc64

Download files at:
http://ctfd.platypew.social

nc pwn.platypew.social 30007

```c
#include <stdio.h>
#include <stdlib.h>

void vuln() {
    char buffer[64];
    gets(buffer);
}

int main() {
    puts("Guess my name");
    vuln();
    puts("Wrong!");

    return 0;
}
```