

# Hw7

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## problem1

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```
znh@znh:~/lab7$ gcc lab7.c -o lab7.o
znh@znh:~/lab7$ ./lab7.o 15
1
1
2
3
5
8
13
21
34
55
89
144
233
377
610
```

## problem2

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**a.**

by default mode

- socket(), close(), bind(), listen() are non-blocking
- read(), write() accept() connect() are blocking

reason:

read() will block until there is any data in the file

write() will block until it has written all of the data to the file.

accept() blocks the caller until a connection is present

connect() blocks until finishing TCP 3-way handshake.

so read(), write() accept() connect() are blocking call, and the others will return immediately so they are non-blocking call.

**b.**

Indirect communication and the process use socket to communication

**c.**

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**d.**

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in different machines, we should change the ip address of the client from "127.0.0.1" to server's IP address