HW0205

為何範例程式會出錯?

給予 bit 的空間不夠導致不夠精確

2^x~2^(x+1)會出現同樣的答案

解決辦法:

讓空間*2 使 2^x~2^(x+1)有不同答案

給予 bit int64 t 的空間

```
EGISTERED)
suspend
will suspend very soon because of inactivity.
                                 Preferences Help
                                             05.c
     #include <stdio.h>
     #include <stdint.h>
  3
     int main()
  5
     {
  6
          int32 t number = 0;
          scanf( "%d", & number );
 10
          int64 t bit = 1;
          bit = bit << 31;
 11
 12
 13
           for( int i = 0; i < 32; i++ )
 14
 15
               if( bit & number )
                    printf( "1" );
 16
 17
               else
                    printf( "0" );
 18
               bit = bit \gg 1;
 19
 20
 21
           return 0;
 22
                   user@user-VirtualBox: ~
                                                  File Edit View Search Terminal Help
user@user-VirtualBox:~$ gcc hw0205.c
user@user-VirtualBox:~$ ./a.out
user@user-VirtualBox:~$ ./a.out
user@user-VirtualBox:~$
```