Let's solve it

17 16
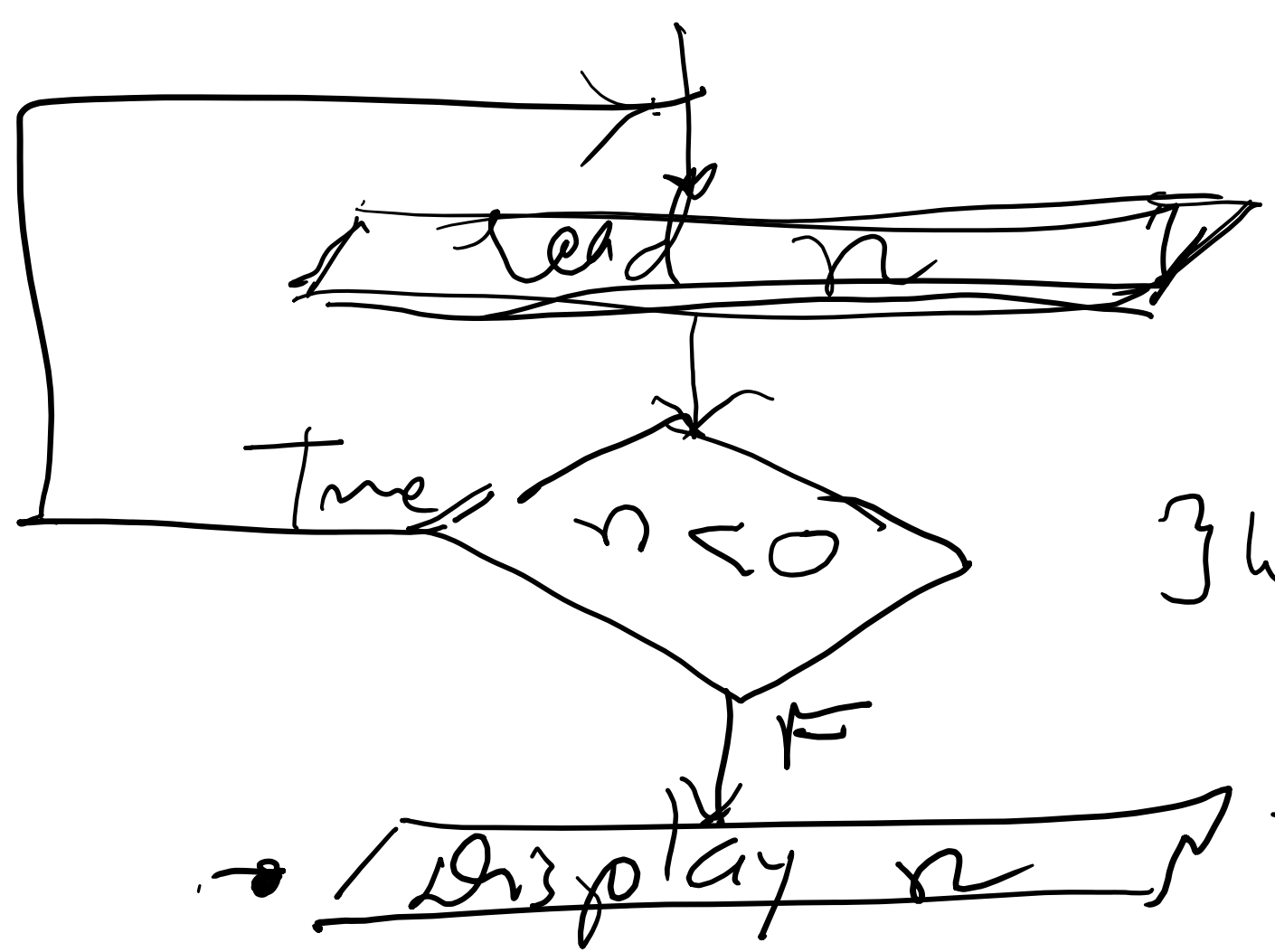
Problem Statement:

Take input a number

— Don't do anything if Repeat.
negative. keep going.

— display and stop the program
if and only if positive.
as zero

loop

read n

True

$n < 0$

F

Display n

```
do
{
    scanf("%d", &no);
} while (n < 0);

printf("%d", n);
```

'break'

It's used to come out of this loop.

It will skip rest of the instructions.

```
do
{
  scanf("%d",&n);
} while (n<0);
printf("%d",n);
```

```
while (1)
{
  scanf("%d",&n);
  if (n>=0)
    break;
}
printf("%d",n);   will be skipped
```

How can you come out of the loop? (generally)

① Because of break

② condition is false

Example

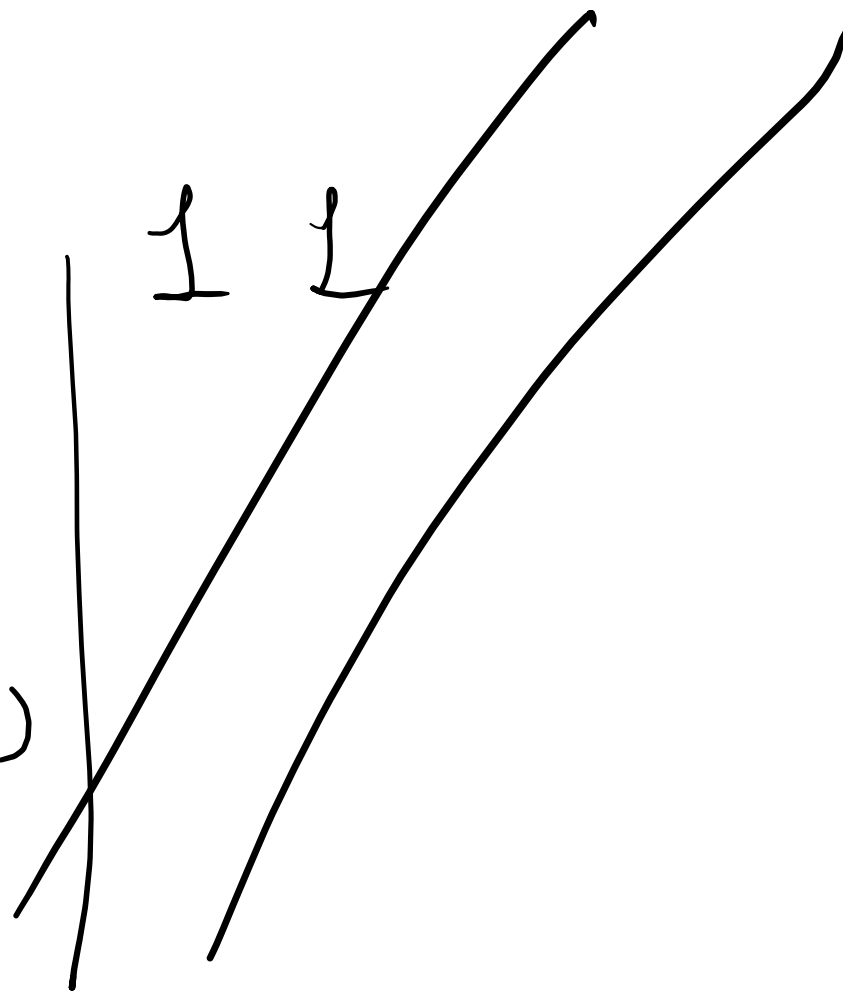## fibonacci

0 1 1   2
   (0+1) (1+1)

  3   5   8
(1+2) (2+3) (3+5)

    13
5+8

1 1

```c
int term1 = 0, term2 = 1;

printf("%d\n", term1);
printf("%d\n", term2);
while (1)
{
    addition = term1 + term2;
    printf("%d\n", addition);
    term1 = term2;
    term2 = addition; getch();
}
```

Instead of infinite number of terms,
let's display finite first n terms.

```
scanf("%d", &n);
printf("%d\n", term1);
printf("%d\n", term2);
for (i=3; i<=n; i++)
{
    addition = term1 + term2;
    term1 = term2;
    term2 = addition;
}
```