

```
$ gcc -g bubble04.c -o b
```

```
$ gdb b
```

```
GNU gdb (Debian 10.1-1.7) 10.1.90.20210103-git
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This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.
Type "show copying" and "show warranty" for details.
This GDB was configured as "x86_64-linux-gnu".
Type "show configuration" for configuration details.
For bug reporting instructions, please see:
<https://www.gnu.org/software/gdb/bugs/>.
Find the GDB manual and other documentation resources online at:
  <http://www.gnu.org/software/gdb/documentation/>.
```

```
For help, type "help".
```

```
Type "apropos word" to search for commands related to "word"...
```

```
Reading symbols from b...
```

```
(gdb) list 20,35
```

```
20
21     void vBombollaUnaPassada(int* p,int nQ){
22         int i;
23
24         for(i = 0; i < nQ-1 ; i++,p++)
25             if(*p > *(p+1))
26                 vIntercanvia(p,p+1);
27     }
28
29     void vBombolla(int* p,int nQ){
30         int i;
31
32         for(i = nQ; i >0 ;i--){
33             vBombollaUnaPassada(p,i);
34         }
35     }
```

```
(gdb) break 25
```

```
Breakpoint 1 at 0x11d9: file bubble04.c, line 25.
```

```
(gdb) run
```

```
Starting program: /home/jordi/Documents/curs2020-2021/m03/daw/20210414/20180425exUF2/
sol/b
```

```
4 5 3 1 2
```

```
Breakpoint 1, vBombollaUnaPassada (p=0x7ffffffdfd0, nQ=5) at bubble04.c:25
```

```
25             if(*p > *(p+1))
```

```
(gdb) print *p
```

```
$1 = 4
```

```
(gdb) next
```

```
24         for(i = 0; i < nQ-1 ; i++,p++)
```

```
(gdb) next
```

```
Breakpoint 1, vBombollaUnaPassada (p=0x7ffffffdfd4, nQ=5) at bubble04.c:25
```

```
25             if(*p > *(p+1))
(gdb) print *p
$2 = 5
(gdb) quit
A debugging session is active.
```

Inferior 1 [process 29011] will be killed.

Quit anyway? (y or n) y