```
Script started on 2024-08-31 19:39:54-05:00 [TERM="xterm-256color" TTY="/dev/pts/8" COLUMNS="310" LINES="63"]
[?2004h(base) ]0;jovyan@jupyter-rs8f: ~/3240/Labs/Lab 2[01;32mjovyan@jupyter-rs8f[00m:[01;34m~/3240/Labs/Lab 2[00m$ ls
[?2004l
Lab2_Log.txt  [0m[01;32mlab2[0m  lab2.c  [01;32mlab2Problem1[0m  lab2Problem1.c  [01;32mlab2Problem2[0m  lab2Problem2.c
[?2004h(base) ]0;jovyan@jupyter-rs8f: ~/3240/Labs/Lab 2[01;32mjovyan@jupyter-rs8f[00m:[01;34m~/3240/Labs/Lab 2[00m$ lsgcc
lab2Problem1.c -o lab2Problem1
[?2004l
[?2004h(base) ]0;jovyan@jupyter-rs8f: ~/3240/Labs/Lab 2[01;32mjovyan@jupyter-rs8f[00m:[01;34m~/3240/Labs/Lab 2[00m$ gcc
lab2Problem1.c -o lab2Problem1ls[Kgcc lab2Problem1.c -o lab2Problem1[18P./lab2Problem1 5[K9
[?2004l
9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 9
9 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 8 9
9 8 7 6 6 6 6 6 6 6 6 6 6 6 6 7 8 9
9 8 7 6 5 5 5 5 5 5 5 5 5 6 7 8 9
9 8 7 6 5 4 4 4 4 4 4 4 5 6 7 8 9
9 8 7 6 5 4 3 3 3 3 3 4 5 6 7 8 9
9 8 7 6 5 4 3 2 2 2 3 4 5 6 7 8 9
9 8 7 6 5 4 3 2 1 2 3 4 5 6 7 8 9
9 8 7 6 5 4 3 2 2 2 3 4 5 6 7 8 9
9 8 7 6 5 4 3 3 3 3 3 4 5 6 7 8 9
9 8 7 6 5 4 4 4 4 4 4 4 5 6 7 8 9
9 8 7 6 5 5 5 5 5 5 5 5 5 6 7 8 9
9 8 7 6 6 6 6 6 6 6 6 6 6 6 7 8 9
9 8 7 7 7 7 7 7 7 7 7 7 7 7 7 8 9
9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 9
9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
[?2004h(base) ]0;jovyan@jupyter-rs8f: ~/3240/Labs/Lab 2[01;32mjovyan@jupyter-rs8f[00m:[01;34m~/3240/Labs/Lab 2[00m$
./lab2Problem1 9[K2[K3
[?2004l
3 3 3 3 3
3 2 2 2 3
3 2 1 2 3
3 2 2 2 3
3 3 3 3 3
[?2004h(base) ]0;jovyan@jupyter-rs8f: ~/3240/Labs/Lab 2[01;32mjovyan@jupyter-rs8f[00m:[01;34m~/3240/Labs/Lab 2[00m$
./lab2Problem1 3[K5
[?2004l
5 5 5 5 5 5 5 5 5
5 4 4 4 4 4 4 4 5
5 4 3 3 3 3 3 4 5
5 4 3 2 2 2 3 4 5
5 4 3 2 1 2 3 4 5
5 4 3 2 2 2 3 4 5
5 4 3 3 3 3 3 4 5
5 4 4 4 4 4 4 4 5
5 5 5 5 5 5 5 5 5
[?2004h(base) ]0;jovyan@jupyter-rs8f: ~/3240/Labs/Lab 2[01;32mjovyan@jupyter-rs8f[00m:[01;34m~/3240/Labs/Lab 2[00m$
./lab2Problem1 5[K7
[?2004l
7 7 7 7 7 7 7 7 7 7 7 7 7
7 6 6 6 6 6 6 6 6 6 6 6 7
7 6 5 5 5 5 5 5 5 5 5 6 7
7 6 5 4 4 4 4 4 4 4 5 6 7
7 6 5 4 3 3 3 3 3 4 5 6 7
7 6 5 4 3 2 2 2 3 4 5 6 7
7 6 5 4 3 2 1 2 3 4 5 6 7
7 6 5 4 3 2 2 2 3 4 5 6 7
7 6 5 4 3 3 3 3 3 4 5 6 7
7 6 5 4 4 4 4 4 4 4 5 6 7
7 6 5 5 5 5 5 5 5 5 5 6 7
7 6 6 6 6 6 6 6 6 6 6 6 7
7 7 7 7 7 7 7 7 7 7 7 7 7
[?2004h(base) ]0;jovyan@jupyter-rs8f: ~/3240/Labs/Lab 2[01;32mjovyan@jupyter-rs8f[00m:[01;34m~/3240/Labs/Lab 2[00m$
./lab2Problem1 7[K2
[?2004l
2 2 2
2 1 2
2 2 2
[?2004h(base) ]0;jovyan@jupyter-rs8f: ~/3240/Labs/Lab 2[01;32mjovyan@jupyter-rs8f[00m:[01;34m~/3240/Labs/Lab 2[00m$
./lab2Problem1 27539gcc lab2Problem1.c -o lab2Problem1[1@2[1@][1P[C[1P[18P./lab2Problem1 939gcc lab2Problem2.c -o
lab2Problem1[K2
[?2004l
[?2004h(base) ]0;jovyan@jupyter-rs8f: ~/3240/Labs/Lab 2[01;32mjovyan@jupyter-rs8f[00m:[01;34m~/3240/Labs/Lab 2[00m$ gcc
lab2Problem2.c -o lab2Problem2[18P./lab2Problem1 2[K[K[K2 20 19
[?2004l
P(20,19) = 2432902008176640000
C(20,19) = 20
[?2004h(base) ]0;jovyan@jupyter-rs8f: ~/3240/Labs/Lab 2[01;32mjovyan@jupyter-rs8f[00m:[01;34m~/3240/Labs/Lab 2[00m$
./lab2Problem2 20 19[K[K[K[K[K10 3
[?2004l
P(10,3) = 720
C(10,3) = 120
```

```
[?2004h(base) ]0;jovyan@jupyter-rs8f: ~/3240/Labs/Lab 2[01;32mjovyan@jupyter-rs8f[00m:[01;34m~/3240/Labs/Lab 2[00m$
./lab2Problem2 10 3[K[K[K20 9[K[K[K 9
[?2004l
P(12,9) = 79833600
C(12,9) = 220
[?2004h(base) ]0;jovyan@jupyter-rs8f: ~/3240/Labs/Lab 2[01;32mjovyan@jupyter-rs8f[00m:[01;34m~/3240/Labs/Lab 2[00m$
./lab2Problem2 12 9[K[K[K[K8 5
[?2004l
P(8,5) = 6720
C(8,5) = 56
[?2004h(base) ]0;jovyan@jupyter-rs8f: ~/3240/Labs/Lab 2[01;32mjovyan@jupyter-rs8f[00m:[01;34m~/3240/Labs/Lab 2[00m$ exit
[?2004l
exit

Script done on 2024-08-31 19:49:51-05:00 [COMMAND_EXIT_CODE="0"]
```