



# UNIVERSIDAD NACIONAL DE INGENIERÍA

## Facultad de Ciencias

### Escuela Profesional de Ciencia de la Computación

## CUARTA PRÁCTICA CALIFICADA

Curso: **Fundamentos de Programación CC112 - A**

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1.

```
test01@pcs5:~/Documentos/PC02/Semana05/PC4$ valgrind ./build/debug/problema1
==6018== Memcheck, a memory error detector
==6018== Copyright (C) 2002-2022, and GNU GPL'd, by Julian Seward et al.
==6018== Using Valgrind-3.22.0 and LibVEX; rerun with -h for copyright info
==6018== Command: ./build/debug/problema1
==6018==
coeficiente
Polinomio 1: 1x^2 + 3
Polinomio 2: -4x^1 + 5
Polinomio 3: 3x^2 + 1

Suma de los tres polinomios: 4x^2 + -4x^1 + 9

Producto de los tres polinomios: -12x^5 + 15x^4 + -40x^3 + 50x^2 + -12x^1 + 15
==6018==
==6018== HEAP SUMMARY:
==6018==    in use at exit: 0 bytes in 0 blocks
==6018==   total heap usage: 7 allocs, 7 frees, 74,820 bytes allocated
==6018==
==6018== All heap blocks were freed -- no leaks are possible
==6018==
==6018== For lists of detected and suppressed errors, rerun with: -s
==6018== ERROR SUMMARY: 0 errors from 0 contexts (suppressed: 0 from 0)
```

2.

```
test01@pcs5:~/Documentos/PC02/Semana05/PC4$ valgrind ./build/debug/problema2
==7159== Memcheck, a memory error detector
==7159== Copyright (C) 2002-2022, and GNU GPL'd, by Julian Seward et al.
==7159== Using Valgrind-3.22.0 and LibVEX; rerun with -h for copyright info
==7159== Command: ./build/debug/problema2
==7159==

Nombre de la seleccion 1: pais1
Nombre de la seleccion 2: pais2
Nombre de la seleccion 3: pais3
Nombre de la seleccion 4: pais4
Nombre de la seleccion 5: pais5
Seleccion          PG   PE   PP   GF   GC   DG   Pts   Rend(%)
-----
pais5               45   17   38   256  214  42   152   50.7
pais4               43   14   43   264  268  -4   143   47.7
pais2               38   21   41   238  237  1    135   45.0
pais1               36   17   47   220  251  -31   125   41.7
pais3               33   24   43   227  256  -29   123   41.0

CAMPEON: pais5 | Puntaje: 152 | DG: 42 | Rendimiento: 50.7%
==7159==
==7159== HEAP SUMMARY:
==7159==    in use at exit: 0 bytes in 0 blocks
==7159== total heap usage: 4 allocs, 4 frees, 76,104 bytes allocated
==7159==
==7159== All heap blocks were freed -- no leaks are possible
==7159==
==7159== For lists of detected and suppressed errors, rerun with: -s
==7159== ERROR SUMMARY: 0 errors from 0 contexts (suppressed: 0 from 0)
```

