*Pruebas de escritorio*

Factorial

|  |  |  |
| --- | --- | --- |
| **Instrucciones** | **entrada** | **procesos** |
| leer entrada | 7 |  |
| x=1 |  |  |
| i in range(1,n+1) |  | i(1,8) |
| **i=1** |  | 1 |
| x |  | 1 |
| **i=2** |  | 2 |
| x |  | 2 |
| **i=3** |  | 3 |
| x |  | 6 |
| **i=4** |  | 4 |
| x |  | 24 |
| **i=5** |  | 5 |
| x |  | 120 |
| **i=6** |  | 6 |
| x |  | 720 |
| **i=7** |  | 7 |
| x |  | 5040 |
| **i=8** |  | 8 |

Sumar arreglo

|  |  |  |
| --- | --- | --- |
| **Instrucción** | **entrada** | **proceso** |
| **leer** entrada | 5 |  |
| longitud=entrada |  | l=5 |
| i=0;i<num;i++ |  |  |
| **leer** numero | {5,7,9,10,6} |  |
| conta=0 |  |  |
| conta<5 |  |  |
| conta++ |  |  |
|  |  | total+=num[pos] |
|  |  | total=5 |
| **conta=0** |  | 5 |
| 1 |  | 12 |
| 2 |  | 21 |
| 3 |  | 31 |
| 4 |  | 37 |
| **pirnt** |  | res=37 |

Operaciones números naturales:

|  |  |  |
| --- | --- | --- |
| **Instrucción** | **entrada** | **proceso** |
| **leer** entrada | 4 |  |
| **Leer** entrada | 5 |  |
|  |  |  |
|  | {5,7,9,10,6} |  |
| Sumar |  | 4+5 |
| Restar |  | 4-5 |
| Multiplicar |  | 4\*5 |
| Dividir |  | 4/5 |
|  |  |  |
| **Imprimir** |  | 9 |
|  |  | -1 |
|  |  | 20 |
|  |  | 0 |
|  |  |  |
|  |  |  |