*Logic Specification Template*

|  |  |  |  |
| --- | --- | --- | --- |
| **Student** | David Alejandro Martínez Tristán | **Program #** | 7 |

|  |  |
| --- | --- |
| **Class Name** | main |

|  |  |
| --- | --- |
| **Method Name** | main() |

|  |  |
| --- | --- |
| **Parameters** |  |
|  |  |
|  |  |
|  |  |
|  |  |

**Include the image of the activity diagram created for the program:**

**Diagrama

Descripción generada automáticamente**

|  |  |
| --- | --- |
| **Class Name** | FileReader |

|  |  |
| --- | --- |
| **Method Name** | sum() |

|  |  |
| --- | --- |
| **Parameters** | arr: vector<double> |
|  |  |
|  |  |
|  |  |
|  |  |

**Include the image of the activity diagram created for the program:**

**Diagrama

Descripción generada automáticamente**

|  |  |
| --- | --- |
| **Class Name** | FileReader() |

|  |  |
| --- | --- |
| **Method Name** | sumProduct() |

|  |  |
| --- | --- |
| **Parameters** | arr1: vector<double> |
|  | arr2: vector<double> |
|  |  |
|  |  |
|  |  |

**Include the image of the activity diagram created for the program:**

**Diagrama

Descripción generada automáticamente**

|  |  |
| --- | --- |
| **Class Name** | FileReader |

|  |  |
| --- | --- |
| **Method Name** | sumPow() |

|  |  |
| --- | --- |
| **Parameters** | arr: vector<double> |
|  | exp: int |
|  |  |
|  |  |
|  |  |

**Include the image of the activity diagram created for the program:**

**Diagrama

Descripción generada automáticamente**

|  |  |
| --- | --- |
| **Class Name** | FileReader |

|  |  |
| --- | --- |
| **Method Name** | reset() |

|  |  |
| --- | --- |
| **Parameters** |  |
|  |  |
|  |  |
|  |  |
|  |  |

**Include the image of the activity diagram created for the program:**

**Diagrama

Descripción generada automáticamente**

|  |  |
| --- | --- |
| **Class Name** | FileReader |

|  |  |
| --- | --- |
| **Method Name** | readFile() |

|  |  |
| --- | --- |
| **Parameters** |  |
|  |  |
|  |  |
|  |  |
|  |  |

**Include the image of the activity diagram created for the program:**

**Diagrama

Descripción generada automáticamente**

|  |  |
| --- | --- |
| **Class Name** | Printer |

|  |  |
| --- | --- |
| **Method Name** | printResults() |

|  |  |
| --- | --- |
| **Parameters** | n: int, wk: double, xk: double, yk: double, zk: double, b0: double, b1: double, |
|  | b2: double, b3: double, errorLog: vector<int> |
|  |  |
|  |  |
|  |  |

**Include the image of the activity diagram created for the program:**

**Diagrama

Descripción generada automáticamente**

|  |  |
| --- | --- |
| **Class Name** | FileReader |

|  |  |
| --- | --- |
| **Method Name** | openFile() |

|  |  |
| --- | --- |
| **Parameters** | filename: string |
|  |  |
|  |  |
|  |  |
|  |  |

**Include the image of the activity diagram created for the program:**

**Diagrama

Descripción generada automáticamente**

|  |  |
| --- | --- |
| **Class Name** | FileReader |

|  |  |
| --- | --- |
| **Method Name** | gaussMethod() |

|  |  |
| --- | --- |
| **Parameters** |  |
|  |  |
|  |  |
|  |  |
|  |  |

**Include the image of the activity diagram created for the program:**

**Diagrama

Descripción generada automáticamente**

|  |  |
| --- | --- |
| **Class Name** | FileReader |

|  |  |
| --- | --- |
| **Method Name** | closeFile() |

|  |  |
| --- | --- |
| **Parameters** |  |
|  |  |
|  |  |
|  |  |
|  |  |

**Include the image of the activity diagram created for the program:**

**Diagrama, Esquemático

Descripción generada automáticamente**