*Logic Specification Template*

|  |  |  |  |
| --- | --- | --- | --- |
| **Student** | Adrián Marcelo Suárez Ponce A01197108 | **Program #** | 5 |

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

|  |  |
| --- | --- |
| **Method Name** | integrate |

|  |  |
| --- | --- |
| **Parameters** | calculation: Calculation |
|  | calculator: Calculator |
|  |  |
|  |  |
|  |  |

Diagram

Description automatically generated

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

|  |  |
| --- | --- |
| **Method Name** | setup |

|  |  |
| --- | --- |
| **Parameters** | pTarget: double |
|  | calculator: Calculator |
|  |  |
|  |  |
|  |  |

**Diagram

Description automatically generated**

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

|  |  |
| --- | --- |
| **Method Name** | printResult |

**Diagram

Description automatically generated**

|  |  |
| --- | --- |
| **Class Name** | calculator |

|  |  |
| --- | --- |
| **Method Name** | integrateSimpson |

|  |  |
| --- | --- |
| **Parameters** | nSegments : int |

**Diagram

Description automatically generated**

|  |  |
| --- | --- |
| **Class Name** | calculator |

|  |  |
| --- | --- |
| **Method Name** | F |

|  |  |
| --- | --- |
| **Parameters** | x : double |

**Diagram

Description automatically generated**

|  |  |
| --- | --- |
| **Class Name** | calculator |

|  |  |
| --- | --- |
| **Method Name** | Gamma |

|  |  |
| --- | --- |
| **Parameters** | i : double |

**Diagram

Description automatically generated**

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

Por medio de este párrafo yo **Adrián Marcelo Suárez Ponce,** certifico que soy el autor intelectual del material que arriba entrego y que no realicé una copia de ninguna otra persona. En aquellos casos en los que tuve que incluir material de otra persona, reporté su apropiada referencia.