***bLogic Specification Template***

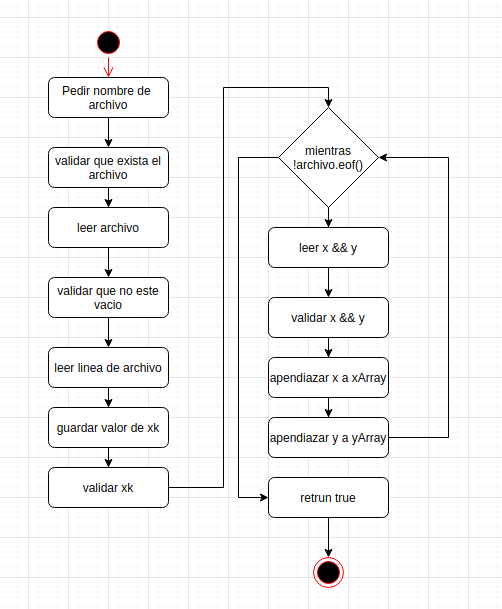
|  |  |  |  |
| --- | --- | --- | --- |
| **Student** | Gerardo Galan Garzafox | **Program** | 6 |

|  |  |
| --- | --- |
| **Class Name** | IO |

|  |  |
| --- | --- |
| **Method Name** | read() |

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

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

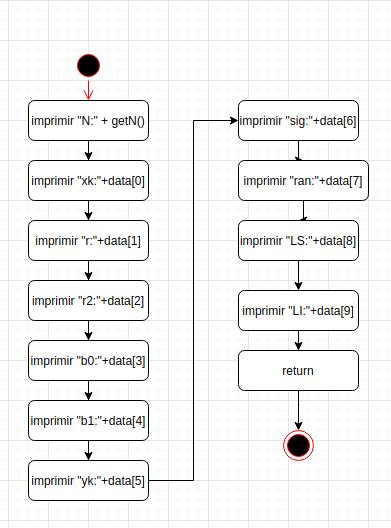
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|  |  |
| --- | --- |
| **Class Name** | IO |

|  |  |
| --- | --- |
| **Method Name** | print() |

|  |  |
| --- | --- |
| **Parameters** | data:vector<long double> |

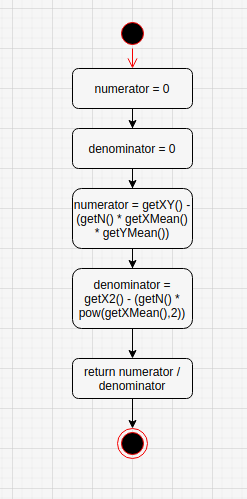
**Include the image of the activity diagram created for the program:**

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| --- | --- |
| **Class Name** | Regression |

|  |  |
| --- | --- |
| **Method Name** | calcB1():long double |

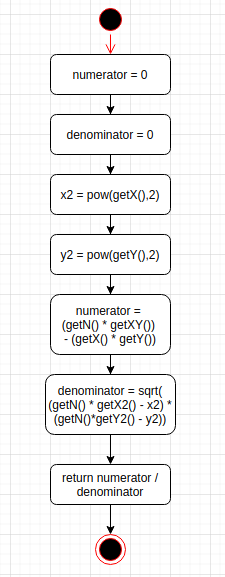
|  |  |
| --- | --- |
| **Parameters** | null |

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|  |  |
| --- | --- |
| **Class Name** | Regression |

|  |  |
| --- | --- |
| **Method Name** | calcR():long double |

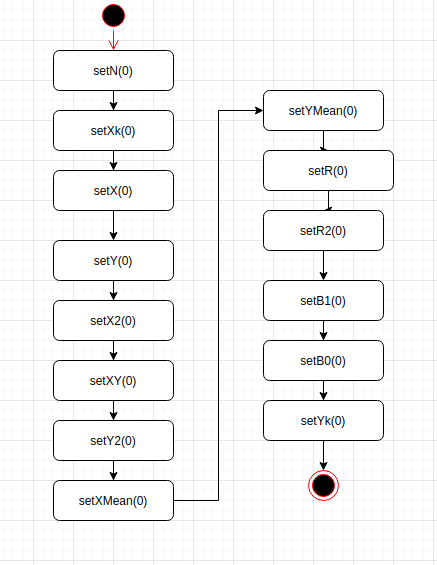
|  |  |
| --- | --- |
| **Parameters** | null |

****

|  |  |
| --- | --- |
| **Class Name** | Regression |

|  |  |
| --- | --- |
| **Method Name** | Regression() |

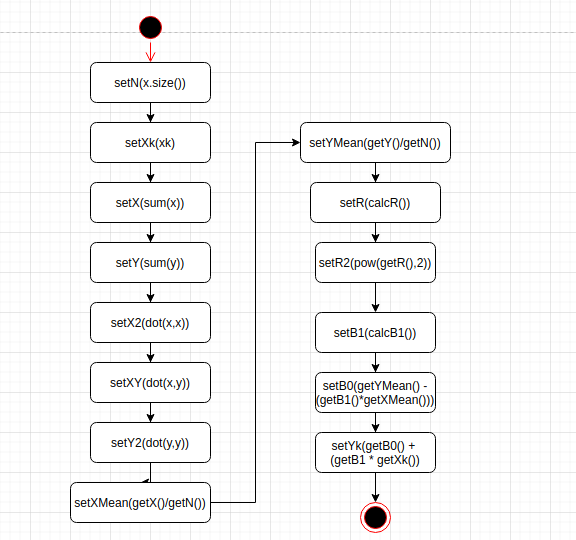
|  |  |
| --- | --- |
| **Parameters** | null |

****

|  |  |
| --- | --- |
| **Class Name** | Regression |

|  |  |
| --- | --- |
| **Method Name** | Regression() |

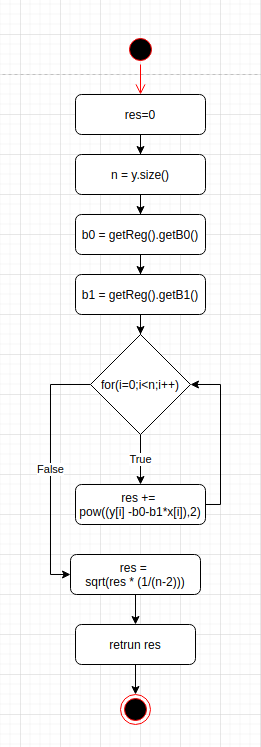
|  |  |
| --- | --- |
| **Parameters** | x vector<long double> |
|  | y vector<long double> |
|  | int xk |

****

|  |  |
| --- | --- |
| **Class Name** | Calc |

|  |  |
| --- | --- |
| **Method Name** | standardDeviation():long double |

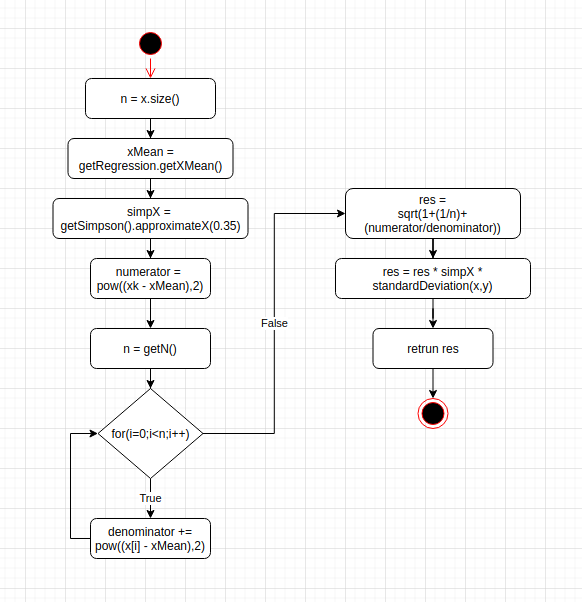
|  |  |
| --- | --- |
| **Parameters** | vector<long double> x |
|  | vector<long double> y |

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|  |  |
| --- | --- |
| **Class Name** | Calc |

|  |  |
| --- | --- |
| **Method Name** | calcRan():long double |

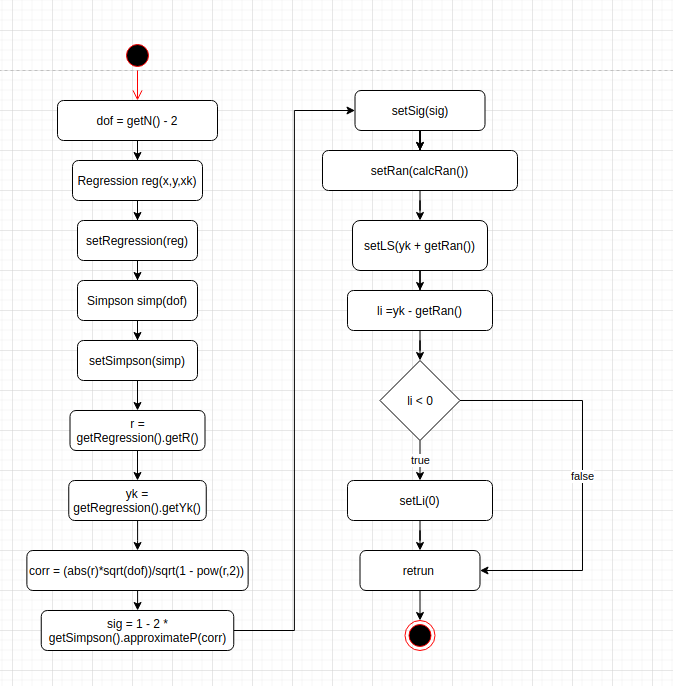
|  |  |
| --- | --- |
| **Parameters** | vector<long double> x |
|  | vector<long double> y |
|  | int xk |

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|  |  |
| --- | --- |
| **Class Name** | Calc |

|  |  |
| --- | --- |
| **Method Name** | Calc() |

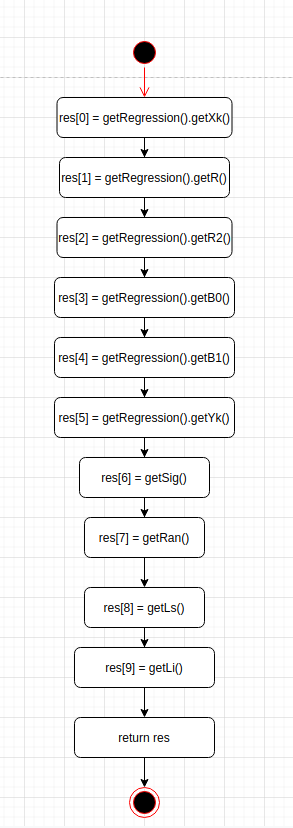
|  |  |
| --- | --- |
| **Parameters** | vector<long double> x |
|  | vector<long double> y |
|  | int xk |

****

|  |  |
| --- | --- |
| **Class Name** | Calc |

|  |  |
| --- | --- |
| **Method Name** | getData():valarray<long double> |

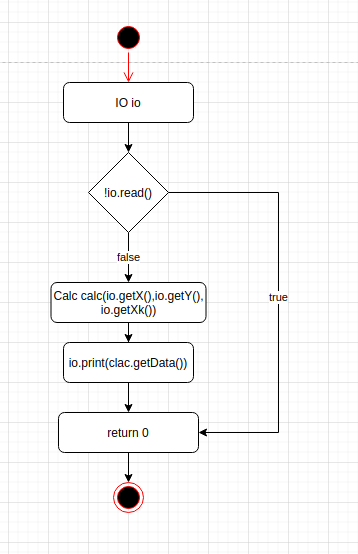
|  |  |
| --- | --- |
| **Parameters** | void |

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|  |  |
| --- | --- |
| **Class Name** | Main |

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

|  |  |
| --- | --- |
| **Parameters** | none |

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