# Diseño de casos de prueba

## Package Data Structure

### GrafoTest

**Setups**

|  |  |
| --- | --- |
| Setup1 |  |
| Setup2 |  |
| Setup3 |  |

**Test cases design**

|  |  |  |  |
| --- | --- | --- | --- |
| **Setup** | **Method** | **Input** | **Output** |
| Setup1 | TestGetters |  | ArrayList={1,2}  ArrayList1 = {2}  ArrayList2={1} |
| Setup1 | TestAdd | Node=3  Conexion=1,3 | ArrayList={1,2,3}  ArrayList1={2,3}  ArrayList3={1} |
| Setup2 | TestRemoveVertex | Node=3 | ArrayList={1,2}  ArrayList1 = {2}  ArrayList2={1} |
| Setup2 | TestRemoveEdge | Conexion=2,3 | ArrayList={1,2,3}  ArrayList1={2,3}  ArrayList3={1} |
| Setup3 | TestBFS |  | ArrayList={1,2,3,4,5} |
| Setup3 | TestDFS |  | ArrayList={1,2,3,4,5} |
| Setup3 | TestDijkstra | Origin=4  Destiny=5 | ArrayList={4,3,5} |
| Setup2 | TestFloydWarshall | Origin=1  Destiny=3 | ArrayList={1,2,3} |
| Setup3 | TestPrim |  |  |
| Setup3 | TestKruskal |  |  |