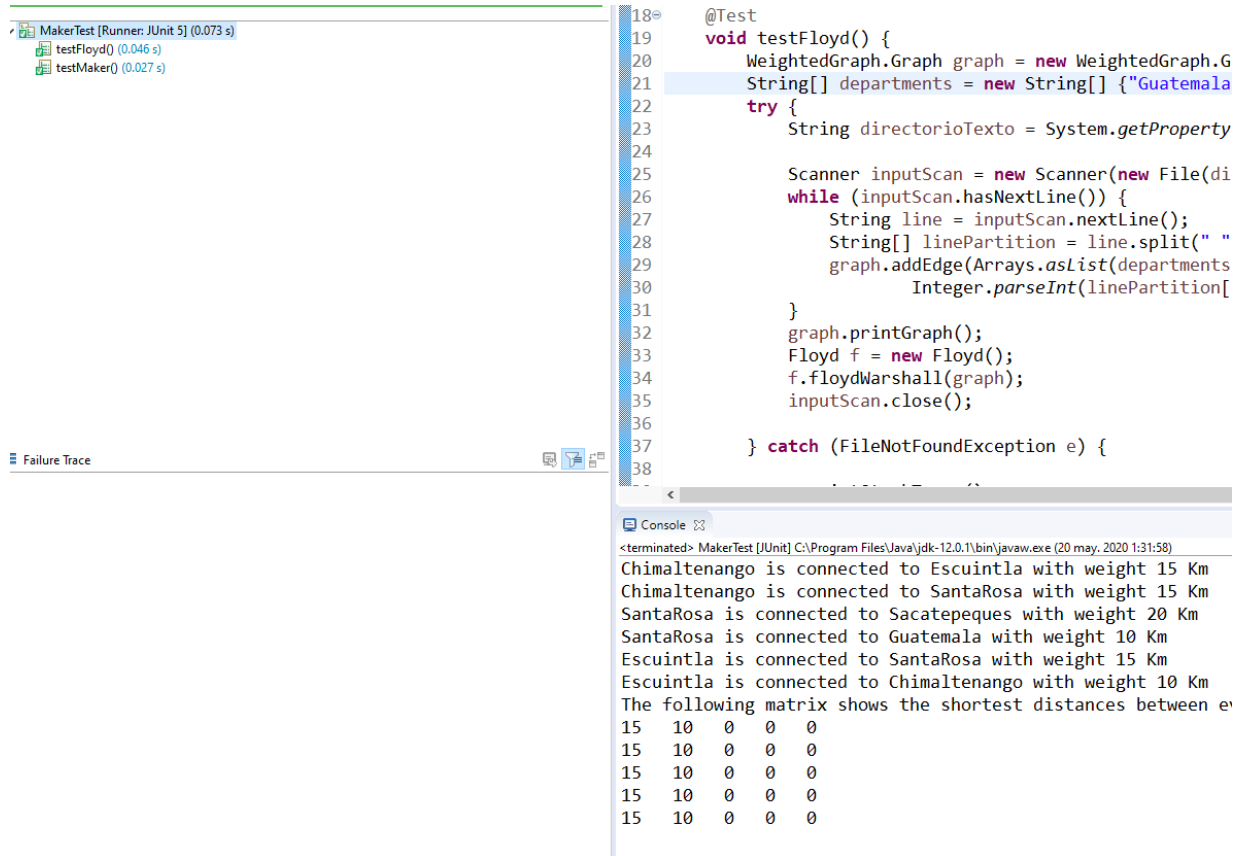


Pruebas Junit

TestMaker & TestFloyd



The screenshot shows an IDE with a JUnit test runner on the left and Java code on the right. The test runner shows three tests: `testFloyd()` (0.046 s) and `testMaker()` (0.027 s), both passed. The Java code is a JUnit test for Floyd's algorithm, reading a graph from a file and printing the shortest distances between nodes.

```

18 @Test
19 void testFloyd() {
20     WeightedGraph.Graph graph = new WeightedGraph.G
21     String[] departments = new String[] {"Guatemala
22     try {
23         String directorioTexto = System.getProperty
24
25         Scanner inputScan = new Scanner(new File(di
26         while (inputScan.hasNextLine()) {
27             String line = inputScan.nextLine();
28             String[] linePartition = line.split(" "
29             graph.addEdge(Arrays.asList(departments
30                 Integer.parseInt(linePartition[
31         }
32         graph.printGraph();
33         Floyd f = new Floyd();
34         f.floydWarshall(graph);
35         inputScan.close();
36
37     } catch (FileNotFoundException e) {
38

```

The console output shows the graph structure and the shortest distances between nodes:

```

<terminated> MakerTest [JUnit] C:\Program Files\Java\jdk-12.0.1\bin\javaw.exe (20 may, 2020 1:31:58)
Chimaltenango is connected to Escuintla with weight 15 Km
Chimaltenango is connected to SantaRosa with weight 15 Km
SantaRosa is connected to Sacatepeques with weight 20 Km
SantaRosa is connected to Guatemala with weight 10 Km
Escuintla is connected to SantaRosa with weight 15 Km
Escuintla is connected to Chimaltenango with weight 10 Km
The following matrix shows the shortest distances between e
15 10 0 0 0
15 10 0 0 0
15 10 0 0 0
15 10 0 0 0
15 10 0 0 0

```