

Test report assignment 1

To test the triangle function, we need to look at all 5 kinds of triangles. For this we have selected 3 triangles that are rectangular (from http://en.wikipedia.org/wiki/Special_right_triangles), 3 triangles that are equilateral, 3 triangles that are isosceles, 3 triangles that are none of the above and 3 lengths of sides that can not define a triangle. The results from these tests led to a change in the order of the scenarios in the functional program. Because Isosceles was tested first, it also named all the equilateral triangles as a isosceles triangle. Another result of the test is that it showed that a triangle with sides of 0 or smaller can't exist. For the list of triangles used see the table below.

Length of sides	Triangle type
2,3,2	Isosceles
4,1,1	Isosceles
2,2,3	Isosceles
2,2,2	Equilateral
3,3,3	Equilateral
5,5,5	Equilateral
3,4,5	Rectangular
5,12,13	Rectangular
6,8,10	Rectangular
19,18,1	Other
1,2,3	Other
1,2,5	Other
0,1,1	No triangle
-1,2,2	No triangle
1,2,-1	No triangle