Checklist for “Triangle”

1. Common triangle check
2. Equilateral triangle check
3. Isosceles triangle check (with permutation: a->b->c->a)
4. Rectangular triangle check (with permutation: a->b->c->a)
5. Definition of a rectangular triangle with fractional values of the sides
6. Checking the correctness of the program when one of the sides is zero (regarding each of the methods: “checkTriangle()”, “detectTriangle()”) (with permutation: a->b->c->a)
7. Checking the correctness of the program when one of the sides is less than zero (regarding each of the methods: “checkTriangle()”, “detectTriangle()”) (with permutation: a->b->c->a)
8. Condition "a + b = c" (with permutation)
9. Condition "a + b < c" (with permutation)
10. Validation of the message when “a <= 0”
11. Validation of the message when “b <= 0”
12. Validation of the message when “c <= 0”
13. a = b = c = 0 (regarding each of the methods: “checkTriangle()”, “detectTriangle()”)
14. Overflow test