

Home Task: "Triangle testing"

The program reads three integer values from a card. The three values are interpreted as representing the lengths of the sides of a triangle. The program prints a message that states whether the triangle is scalene (неравносторонний), isosceles (равнобедренный), or equilateral (равносторонний).

- Write a set of tests.
- Please hand the task (last date when we accept answers)

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Tests (E.R. – expected result):

1. Input: 3, 4, 5. E.R. - The program should print "scalene".
2. Input: 2, 2, 3. E.R. - The program should print "isosceles".
3. Input: 1, 1, 1. E.R. - The program should print "equilateral".
4. Input: 2, 3, 4. E.R. - The program should print "scalene".
5. Input: 7, 7, 10. E.R. - The program should print "isosceles".
6. Input: 10, 10, 10. E.R. - The program should print "equilateral".
7. Input: 5, 12, 13. E.R. - The program should print "scalene".
8. Input: 5, 5, 8. E.R. - The program should print "isosceles".
9. Input: 8, 8, 8. E.R. - The program should print "equilateral".
10. Input: 6, 8, 10. E.R. - The program should print "scalene".
11. Input: 1, 2, 3. E.R. - The program should print "impossible".
12. Input: -1, -1, -1. E.R. - handled error
13. Input: 2, 2, -3. E.R. - handled error
14. Input: 1, 2, -3. E.R. - handled error
15. Input: 100, 1, 1. E.R. - The program should print "impossible".
16. Input: 1, 100, 1. E.R. - The program should print "impossible".
17. Input: 1, 1, 100. E.R. - The program should print "impossible".
18. Input: 1, 1, 2.5. E.R. - The program should print "impossible".
19. Input: 1, 2, 4. E.R. - The program should print "impossible".
20. Input: 0, 5, 5. E.R. - handled error.