|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Identifier | Priority | Module | Submodule | Title and steps of the test-case | Expected results |
| 1 | В | Triangle | Construction of an isosceles triangle. | **The existence of an isosceles triangle:**  1. In the "First side" and "Second side" fields, enter the same correct fractional numbers.  2. In the "Third party" field, enter a correct fractional number that less than the sum of the two previous ones.  3. Check the type of triangle. | 3. The message "Isosceles triangle" appears. |
| 2 | В | Triangle | Construction of an equilateral triangle. | **The existence of an equilateral triangle:**  1. In the fields "First party", "Second party", "Third party" enter the same correct fractional numbers.  2. Check the type of triangle. | 2. The message "Equilateral triangle" appears. |
| 3 | В | Triangle | The construction of the "ordinary" triangle | **The existence of an "ordinary" triangle:**  1. In the fields "First party", "Second party", "Third party" enter correct fractional numbers (take into account that the sum of any two of its sides will be more than the third.).  2. Check the type of triangle. | 2. The message ""Ordinary" triangle" appears. |
| 4 | В | Triangle | The construction of the "ordinary" triangle | **The existence of an "ordinary" triangle:**  1. In the fields "First party", "Second party", "Third party" enter correct fractional numbers (take into account that at least one sum of any two sides will be less than the third). 2. Check the type of triangle. | 2. The message "Exception: there is no such triangle" appears. |
| 5 | A | Data input | Valid Values | **Valid Values:**  1. In any of the fields "First party", "Second party", "Third party", enter any correct negative fractional number.  2. Check the type of triangle.  3. Check step 1 for a zero value, for value including letters (for example: 4k56), for a value using +, \*, /, - (for example: 5 + 6), with a decimal point separator (for example: 5.6). | 2. The message "Exception: invalid data input" appears. |