# Test Description

**Test Name or ID**: T021-T029

**Test Type**: White Box

**Description**: To determine the validity of a destination.

**Setup:** To carry out testing of this function, linking to the Visual Studio Unit Testing template was performed and Assert::AreEqual method was used.

**Test Function**: int validDestination(const int row, const char\* column)

**Test Scenarios:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| TestID | Description | Test Data | Expected Result | Actual Result | Pass/Fail |
| T021 | Valid row and column inputs | Row = 10  Column = C | 1 | 1 | Passed |
| T022 | Invalid row input | Row = 0  Column = A | 0 | 0 | Passed |
| T023 | Invalid column input | Row = 30  Column = B | 0 | 0 | Passed |
| T024 | Invalid row and column inputs | Row = 15  Column = @ | 0 | 0 | Passed |
| T025 | Invalid row and column inputs | Row = 20  Column = Z | 0 | 0 | Passed |
| T026 | Valid row and colum input | Row = 1  Column = A | 1 | 1 | Passed |
| T027 | Invalid column input | Row = -1  Column = B | 0 | 0 | Passed |
| T028 | Valid row and column inputs | Row = 1  Column = a | 1 | 1 | Passed |
| T029 | Invalid column inputs | Row = 1  Column = AB | 0 | 0 | Passed |
|  |  |  |  |  | Passed |
|  |  |  |  |  |  |
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**Bugs Found**: Not yet found.