# Лабораторная работа №11

# «Выполнение функционального тестирования»

**Цель работы.** Получить практические навыки разработки тестов на основе внешней спецификации программы.

**Ход работы**

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| Входные данные | Ожидаемый результат | Факт результат | Вывод |
| "D":[["O1",8],["O2",6],["M",5]],  "O1":[["D",8],["O2",66],["R",2]],  "O2":[["D",6],["O1",66],["M",44],["E",55]],  "M":[["D",5],["O2",44],["E",55]],  "E":[["O2",55],["M",1],["R",22]],  "R":[] | Поиск кратчайшего пути | [‘D’,’O1’] - 10 | Тест пройден |
| "D":[["O1",5],["O2",6],["M",5]],  "O1":[["D",3],["O2",66],["R",2]],  "O2":[["D",1],["O1",6],["M",4],["E",5]],  "M":[["D",59],["O2",44],["E",5]],  "E":[["O2",15],["M",4],["R",2]],  "R":[] | Поиск кратчайшего пути | [‘D’,’O1’] - 7 | Тест пройден |
| "D":[["O1",5],["O2",6],["M",5]],  "O1":[["D",3],["O2",6],["R",2]],  "O2":[["D",1],["O1",6],["M",4],["E",5]],  "M":[["D",9],["O2",4],["E",5]],  "E":[["O2",1],["M",3],["R",2]],  "R":[] | Поиск кратчайшего пути | [‘O1’,’O2’] - 11 | Тест пройден |
| "D":[["O1",356],["O2",6],["M",55]],  "O1":[["D",33],["O2",6],["R",26]],  "O2":[["D",18],["O1",6],["M",41],["E",165]],  "M":[["D",90],["O2",4],["E",52]],  "E":[["O2",1],["M",35],["R",23]],  "R":[] | Поиск кратчайшего пути | ['O1', 'O2', 'M'] - 99 | Тест пройден |
| "D":[["O1",356],["O2",632],["M",55]],  "O1":[["D",33],["O2",632],["R",26]],  "O2":[["D",18],["O1",436],["M",41],["E",165]],  "M":[["D",90],["O2",5],["E",52]],  "E":[["O2",16],["M",35],["R",23]],  "R":[] | Поиск кратчайшего пути | ['M', 'O2', 'D'] - 379 | Тест пройден |
| "D":[["O1",356],["O2",632],["M",55]],  "O1":[["D",33],["O2",632],["R",-26]],  "O2":[["D",-18],["O1",-5000],["M",41],["E",165]],  "M":[["D",90],["O2",5],["E",-2]],  "E":[["O2",16],["M",35],["R",3]],  "R":[] | Поиск кратчайшего пути | ['M', 'O2', 'D'] - 343 | Тест пройден |
| "D":[["O1",56],["O2",62],["M",55]],  "O1":[["D",333],["O2",62],["R",-26]],  "O2":[["D",18],["O1",-1000],["M",41],["E",165]],  "M":[["D",-90],["O2",5892435344634462543],["E",-2]],  "E":[["O2",16],["M",35],["R",3]],  "R":[] | Поиск кратчайшего пути | ['E', 'M', 'D'] - 7 | Тест пройден |
| "D":[["O1",56],["O2",6],["M",55]],  "O1":[["D",333],["O2",62],["R",0]],  "O2":[["D",8],["O1",10],["M",81],["E",15]],  "M":[["D",90],["O2",53],["E",-9]],  "E":[["O2",16],["M",35],["R",3]],  "R":[] | Поиск кратчайшего пути | ['E'] - 16 | Тест пройден |
| "D":[["O1",56],["O2",6],["M",55]],  "O1":[["D",-900],["O2",2],["R",10]],  "O2":[["D",8],["O1",0],["M",81],["E",15]],  "M":[["D",90],["O2",5],["E",-9000]],  "E":[["O2",16],["M",35],["R",-90]],  "R":[] | Поиск кратчайшего пути | ['D'] - 55 | Тест пройден |
| "D":[["O1",56],["O2",556],["M",556]],  "O1":[["D",0],["O2",6],["R",10]],  "O2":[["D",87],["O1",7],["M",81],["E",15]],  "M":[["D",90],["O2",5],["E",-10]],  "E":[["O2",16],["M",35],["R",90]],  "R":[] | Поиск кратчайшего пути | ['E'] - 35 | Тест пройден |
| "D":[["O1",-156],["O2",556],["M",556]],  "O1":[["D",10],["O2",6],["R",10]],  "O2":[["D",827],["O1",-7],["M",8781],["E",15]],  "M":[["D",903],["O2",5],["E",-10]],  "E":[["O2",16],["M",-355],["R",90]],  "R":[] | Поиск кратчайшего пути | ['E', 'O2', 'O1', 'D'] - 575 | Тест пройден |
| "D":[["O1",156],["O2",556],["M",556]],  "O1":[["D",10],["O2",6],["R",10]],  "O2":[["D",87],["O1",7],["M",81],["E",15]],  "M":[["D",93],["O2",5],["E",10]],  "E":[["O2",16],["M",3],["R",90]],  "R":[] | Поиск кратчайшего пути | ['E'] - 3 | Тест пройден |
| "D":[["O1",6],["O2",556],["M",556]],  "O1":[["D",0],["O2",6],["R",1]],  "O2":[["D",7],["O1",7],["M",1],["E",15]],  "M":[["D",3],["O2",5],["E",0]],  "E":[["O2",6],["M",3],["R",0]],  "R":[] | Поиск кратчайшего пути | ['O2', 'M', 'E'] - 1 | Тест пройден |
| "D":[["O1",6],["O2",556],["M",556]],  "O1":[["D",0],["O2",6],["R",1]],  "O2":[["D",-7],["O1",-7],["M",1],["E",15]],  "M":[["D",70],["O2",-5],["E",540]],  "E":[["O2",-6],["M",3],["R",0]],  "R":[] | Поиск кратчайшего пути | ['O2', 'D', 'O1'] - 0 | Тест пройден |
| "D":[["O1",6],["O2",56],["M",6]],  "O1":[["D",0],["O2",6],["R",1]],  "O2":[["D",7],["O1",7],["M",1],["E",15]],  "M":[["D",70],["O2",5],["E",0]],  "E":[["O2",-6],["M",3],["R",0]],  "R":[] | Поиск кратчайшего пути | ['O2', 'M', 'E'] - 1 | Тест пройден |

**Вывод.** Я получил(а) практические навыки разработки тестов на основе внешней спецификации программы.