Function:

getBestRoute

**Description Test Data Expected result**

Test1:

Test to see what the

value of res would be

if routes[i].numPoints is less than routes[res].numPoints i = 1

routes[i].numPoints = 4

routes[res].numPoints = 7

Return 1

Test2:

Test to see what the value of res would be if routes[i].numPoints is greater than routes[res].numPoints i = 3

routes[i].numPoints = 8

routes[res].numPoints = 5

Return 0

Test3:

Test to see what the value of res would be if routes[i].numPoints is equal to

routes[res].numPoints

i = 1

routes[i].numPoints = 4

routes[res].numPoints = 4

Return 0

Test4:

Test to see what the value of res would be if routes[i].numPoints is equal to NULL

i = 1

routes[i].numPoints = NULL

routes[res].numPoints = 4

Return 0

Test5:

Test to see what the value of res would be if routes[res].numPoints is equal to NULL

i = 1

routes[i].numPoints = 4

routes[res].numPoints = NULL

Return 0

Test6:

Test to see what the value of res would be if routes[i].numPoints isequal to zero

i = 2

routes[i].numPoints = 0

routes[res].numPoints = 4

Return 2

Test8

Test to see what the value of res would be if routes[res].numPoints is equal to zero

i = 1

routes[i].numPoints = 4

routes[res].numPoints = 0

Return 0