Whitebox Test cases

Function: containsDestination	Data	Expected Result	Description

Test03	struct Route testRoute = { 0 };
	testRoute.points[0] = { 8, 21 };
	testRoute.points[1] = { 9, 21 };
	testRoute.points[2] = { 9, 22 };
	testRoute.points[3] = { 7, 21 };
	testRoute.points[4] = { 8, 22 };
	testRoute.points[5] = { 7, 22 };
	testRoute.numPoints = 5;
	shipment.destination = {8,22};
		Return 1	Test to see If route.point.col is equal to destination.col and route.point.row is equal to destination.row then the function returns 1

Test04a	struct Route testRoute = { 0 };
	testRoute.points[0] = { 7, 17 };
	testRoute.points[1] = { 8, 17 };
	testRoute.points[2] = { 7, 18 };
	testRoute.points[3] = { 7, 19 };
	testRoute.points[4] = { 8, 19 };
	testRoute.points[5] = { 9, 19 };
	testRoute.numPoints = 5;
	shipment.destination = {7,18}
		Return 0	Test to see if any point (other than last point) is the destination point then the function returns 0

Test04b	struct Route testRoute = { 0 };
	testRoute.points[0] = { 7, 17 };
	testRoute.points[1] = { 8, 17 };
	testRoute.points[2] = { 8, 19 };
	testRoute.points[3] = { 7, 19 };
	testRoute.points[4] = { 8, 18 };
	testRoute.points[5] = { 9, 19 };
	testRoute.numPoints = 5;
	shipment.destination = {7,18}
		Return 0	Test to see if route.point.col is not equal to destination.col then the function returns 0

Test04c	struct Route testRoute = { 0 };
	testRoute.points[0] = { 7, 17 };
	testRoute.points[1] = { 8, 17 };
	testRoute.points[2] = { 8, 19 };
	testRoute.points[3] = { 7, 19 };
	testRoute.points[4] = { 7, 20 };
	testRoute.points[5] = { 9, 19 };
	testRoute.numPoints = 5;
	shipment.destination = {7,18};
		Return 0	Test to see if route.point.row is not equal to destination.row then the function returns 0