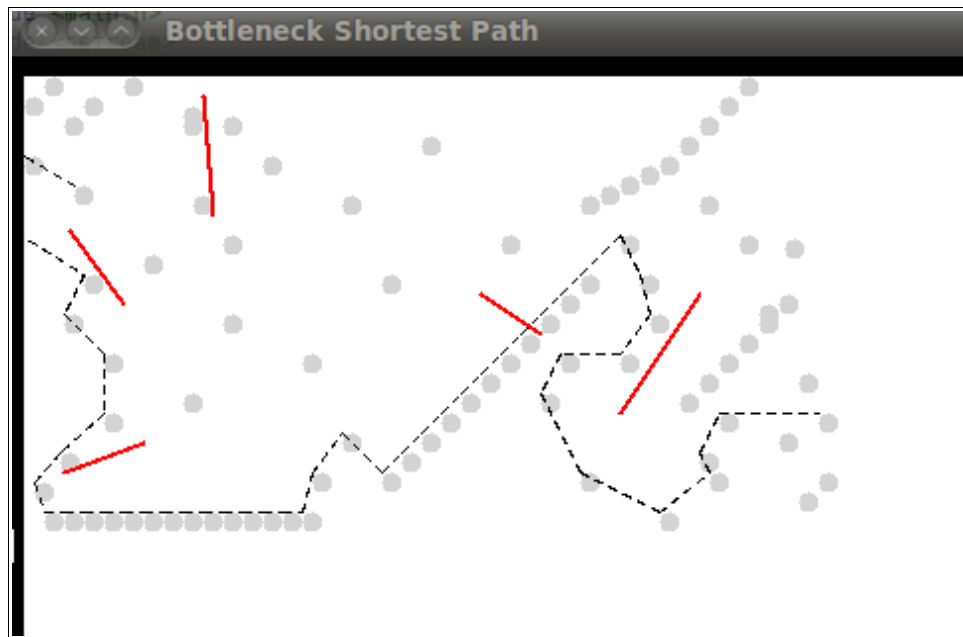# Obstacle Detection On

Total Points = 91 and **Total Edges** = 4746. Note Total Edges are twice what they should be. Refer to Function Parse(), Section: CalculateDistances.

Path from **P0(25,55) to P1(400,170)** must have distance at most d, where d = 56.6039 and that Path is :-

P0(25,55)-P11(0,40)	DIST: 29.1548
P11(0,40)-P12(-10,50)	DIST: 14.1421
P12(-10,50)-P13(-18,70)	DIST: 21.5407
P13(-18,70)-P18(30,100)	DIST: 56.6039
P18(30,100)-P15(20,120)	DIST: 22.3607
P15(20,120)-P19(40,140)	DIST: 28.2843
P19(40,140)-P35(40,170)	DIST: 30
P35(40,170)-P34(18,190)	DIST: 29.7321
P34(18,190)-P37(5,205)	DIST: 19.8494
P37(5,205)-P20(10,220)	DIST: 15.8114
P20(10,220)-P21(20,220)	DIST: 10
P21(20,220)-P22(30,220)	DIST: 10
P22(30,220)-P23(40,220)	DIST: 10
P23(40,220)-P24(50,220)	DIST: 10
P24(50,220)-P25(60,220)	DIST: 10
P25(60,220)-P26(70,220)	DIST: 10
P26(70,220)-P27(80,220)	DIST: 10
P27(80,220)-P28(90,220)	DIST: 10
P28(90,220)-P29(100,220)	DIST: 10
P29(100,220)-P30(110,220)	DIST: 10
P30(110,220)-P31(120,220)	DIST: 10
P31(120,220)-P32(130,220)	DIST: 10
P32(130,220)-P33(140,220)	DIST: 10
P33(140,220)-P44(145,200)	DIST: 20.6155
P44(145,200)-P43(160,180)	DIST: 25
P43(160,180)-P45(180,200)	DIST: 28.2843
P45(180,200)-P46(190,190)	DIST: 14.1421
P46(190,190)-P47(200,180)	DIST: 14.1421
P47(200,180)-P48(210,170)	DIST: 14.1421
P48(210,170)-P49(220,160)	DIST: 14.1421
P49(220,160)-P50(230,150)	DIST: 14.1421
P50(230,150)-P51(240,140)	DIST: 14.1421
P51(240,140)-P52(250,130)	DIST: 14.1421
P52(250,130)-P57(270,140)	DIST: 22.3607
P57(270,140)-P53(260,120)	DIST: 22.3607
P53(260,120)-P54(270,110)	DIST: 14.1421
P54(270,110)-P55(280,100)	DIST: 14.1421
P55(280,100)-P71(300,80)	DIST: 28.2843
P71(300,80)-P70(310,100)	DIST: 22.3607
P70(310,100)-P69(315,120)	DIST: 20.6155
P69(315,120)-P59(300,140)	DIST: 25
P59(300,140)-P56(260,160)	DIST: 44.7214
P56(260,160)-P80(280,200)	DIST: 44.7214
P80(280,200)-P81(320,220)	DIST: 44.7214
P81(320,220)-P90(345,200)	DIST: 32.0156
P90(345,200)-P82(340,190)	DIST: 11.1803
P82(340,190)-P87(350,170)	DIST: 22.3607
P87(350,170)-P1(400,170)	DIST: 50

Obstacle Detection: Off

Obstacle Detection: On