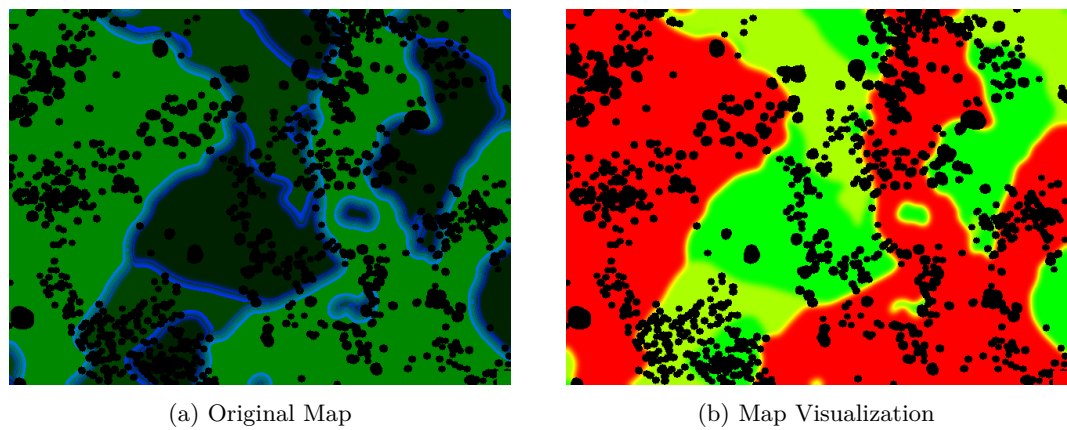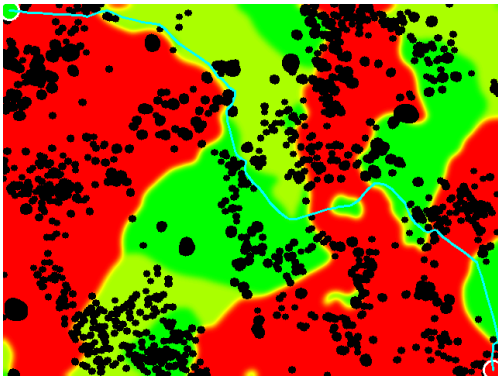# map_212.png

(a) Original Map

(b) Map Visualization

Figure 1: Input Map

1 Analysis

1.1 Optimal Path

Optimal path cost: 3872.01

Figure 2: Map with best Path

1.2 Label Statistic

Obstacle ids: [0]

O	0	30	31	32	33	34	35	36	37	38	39	40	41
70714	70714	39613	2582	1497	1104	861	815	696	601	632	524	534	516
23.0%	23.0%	12.9%	0.8%	0.5%	0.4%	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%

43	44	45	46	47	48	49	50	51	52	53	54	55	56
438	519	454	447	470	439	447	508	465	482	546	541	586	635
0.1%	0.2%	0.1%	0.1%	0.2%	0.1%	0.1%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%

58	59	60	61	62	63	64	65	66	67	68	69	70	71
1137	1804	30740	827	535	417	366	363	311	334	251	297	253	252
0.4%	0.6%	10.0%	0.3%	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%

73	74	75	76	77	78	79	80	81	82	83	84	85	86
266	252	262	226	267	220	250	237	235	236	248	207	272	252
0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%

88	89	90	91	92	93	94	95	96	97	98	99	100	101
221	262	226	257	280	277	255	245	255	314	282	281	313	305
0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%

103	104	105	106	107	108	109	110	111	112	113	114	115	116
331	327	348	361	396	415	399	506	476	541	607	654	824	898
0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.2%	0.2%	0.2%	0.2%	0.3%	0.3%

118	119	120
1662	3204	119101
0.5%	1.0%	38.8%