map_122.png

(a) Original Map
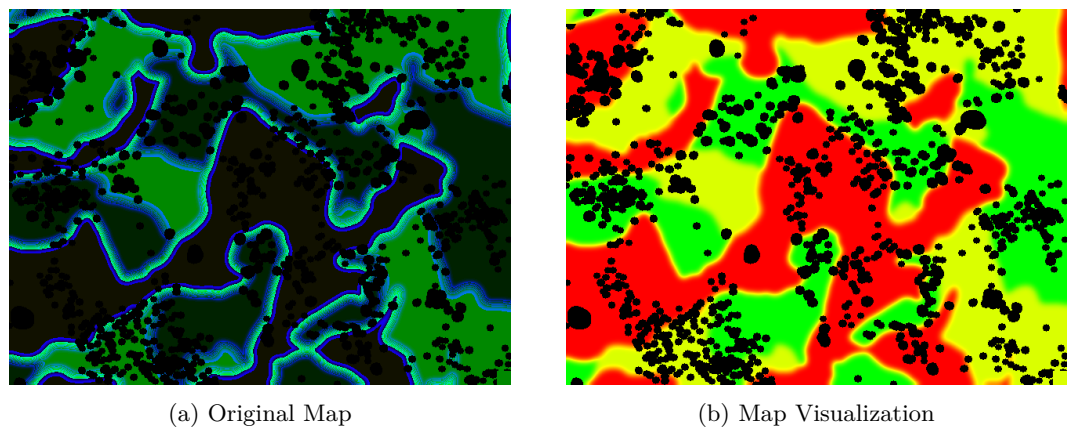

(b) Map Visualization

Figure 1: Input Map

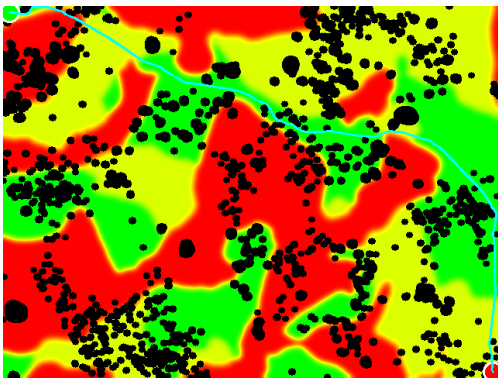# 1 Analysis

1.1 Optimal Path

Optimal path cost: 3761.48

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	37731	2867	1659	1169	975	804	697	653	596	569	512	457
23.0%	23.0%	12.3%	0.9%	0.5%	0.4%	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.1%

43	44	45	46	47	48	49	50	51	52	53	54	55	56
482	403	402	358	367	367	358	318	326	299	301	311	303	290
0.2%	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%

58	59	60	61	62	63	64	65	66	67	68	69	70	71
268	281	238	254	290	260	233	248	264	239	251	233	217	242
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%

73	74	75	76	77	78	79	80	81	82	83	84	85	86
201	226	251	217	241	223	195	237	235	217	235	230	193	213
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
229	266	211	217	198	251	208	235	207	255	241	251	274	234
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
257	310	250	282	280	294	288	334	345	354	359	475	442	528
0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.1%	0.2%

118	119	120	121	122	123	124	125	126	127	128	129	130	131
839	1454	50441	2151	1218	917	713	674	533	506	472	445	404	364
0.3%	0.5%	16.4%	0.7%	0.4%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.1%	0.1%	0.1%

133	134	135	136	137	138	139	140	141	142	143	144	145	146
355	361	327	296	274	332	261	290	312	279	275	236	252	259
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%

148	149	150	151	152	153	154	155	156	157	158	159	160	161
272	229	260	255	237	227	232	235	220	227	228	232	222	239
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%

163	164	165	166	167	168	169	170	171	172	173	174	175	176
207 0.1%	218 0.1%	219 0.1%	239 0.1%	223 0.1%	219 0.1%	219 0.1%	210 0.1%	205 0.1%	220 0.1%	239 0.1%	229 0.1%	258 0.1%	232 0.1%

178	179	180	181	182	183	184	185	186	187	188	189	190	191
227 0.1%	216 0.1%	197 0.1%	239 0.1%	246 0.1%	216 0.1%	217 0.1%	229 0.1%	271 0.1%	240 0.1%	229 0.1%	215 0.1%	222 0.1%	262 0.1%

193	194	195	196	197	198	199	200	201	202	203	204	205	206
256 0.1%	248 0.1%	219 0.1%	265 0.1%	230 0.1%	265 0.1%	273 0.1%	236 0.1%	285 0.1%	269 0.1%	249 0.1%	260 0.1%	286 0.1%	274 0.1%

208	209	210	211	212	213	214	215	216	217	218	219	220	221
266 0.1%	307 0.1%	318 0.1%	301 0.1%	292 0.1%	290 0.1%	355 0.1%	321 0.1%	357 0.1%	350 0.1%	348 0.1%	391 0.1%	400 0.1%	370 0.1%

223	224	225	226	227	228	229	230	231	232	233	234	235	236
435 0.1%	445 0.1%	484 0.2%	500 0.2%	530 0.2%	534 0.2%	558 0.2%	657 0.2%	704 0.2%	729 0.2%	839 0.3%	930 0.3%	1114 0.4%	1304 0.4%

238	239	240
2285 0.7%	4165 1.4%	63101 20.5%

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