```
 1 "C:\Users\Arash Company\Desktop\Robotic\venv\Scripts\
   python.exe" "C:/Users/Arash Company/Desktop/Robotic/
   informed_search_equildean_distance.py" SampleRoom.xml
 2 I've found an optimal path!!!
 3
 4 Step: 0
 5
 6 | | | | | |*|
 7 |*| |*| | |R|
 8 | | | |*| | |
 9 | |*|*| |*| |
10 | |*| | |*| |
11 |B| | | | | |
12
13
14
15
16 Step: 1
17
18 | | | | | |*|
19 |*| |*| | | |
20 | | | |*| |R|
21 | |*|*| |*| |
22 | |*| | |*| |
23 |B| | | | | |
24
25
26
27
28 Step: 2
29
30 | | | | | |*|
31 |*| |*| | | |
32 | | | |*| | |
33 | |*|*| |*|R|
34 | |*| | |*| |
35 |B| | | | | |
36
37
38
39
```

```
40 Step: 3
41
42 | | | | | |*|
43 |*| |*| | | |
44 | | | |*| | |
45 | |*|*| |*| |
46 | |*| | |*|R|
47 |B| | | | | |
48
49
50
51
52 Step: 4
53
54 | | | | | |*|
55 |*| |*| | | |
56 | | | |*| | |
57 | |*|*| |*| |
58 | |*| | |*| |
59 |B| | | | |R|
60
61
62
63
64 Step: 5
65
66 | | | | | |*|
67 |*| |*| | | |
68 | | | |*| | |
69 | |*|*| |*| |
70 | |*| | |*| |
71 |B| | | |R| |
72
73
74
75
76 Step: 6
77
78 | | | | | |*|
79 |*| |*| | | |
80 | | | |*| | |
```

```
 81 | |*|*| |*| |
 82 | |*| | |*| |
 83 |B| | |R| | |
 84
 85
 86
 87
 88 Step: 7
 89
 90 | | | | | |*|
 91 |*| |*| | | |
 92 | | | |*| | |
 93 | |*|*| |*| |
 94 | |*| | |*| |
 95 |B| |R| | | |
 96
 97
 98
 99
100 Step: 8
101
102 | | | | | |*|
103 |*| |*| | | |
104 | | | |*| | |
105 | |*|*| |*| |
106 | |*| | |*| |
107 |B|R| | | | |
108
109
110
111
112 Step: 9
113
114 | | | | | |*|
115 |*| |*| | | |
116 | | | |*| | |
117 | |*|*| |*| |
118 | |*| | |*| |
119 |R| | | | | |
120
121
```

```
122
123
124
125 Process finished with exit code 0
126
```