总结

挂机一周回来,相信代码能力变强了,重新挑level2,目前早上完成了遗传算法初代,采用最暴力的随机片段杂交和突变。可以处理不容易陷入局部解的局面:

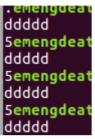
```
map.in
     a.cpp
           ×
1 #######################
2 #######################
3 #####P#..###########
4 #.....###.E####
5 ##.#..#..#.#####
5 ##.#.##....#.#####
7 ##...##.##...######
B ####....#
9 ####.##.#....##..#..
D ####.##.#...##....
1 ######......##...
2 ###......
3 ###......###....
4 ######.....###.#..
5 #######.....##..#..
5 ####.....##..
7 ####....#....###..
B ####....####.....
9 ######........
0 #############
```

```
emenggeatngemenggeatn-virtuai-machine:~/Desktop/c2018/level2/GA> ./a
drrrrdddrrruurur
17emengdeath@emengdeath-virtual-machine:~/Desktop/c2018/level2/GA$ ./a
drrrddrruurur
17emengdeath@emengdeath-virtual-machine:~/Desktop/c2018/level2/GA$ ./a
drrrrdddrrruurur
17emengdeath@emengdeath-virtual-machine:~/Desktop/c2018/level2/GA$ ./a
drrrddrrdrruurur
17emengdeath@emengdeath-virtual-machine:~/Desktop/c2018/level2/GA$ ./a
drrrrddrdrruurur
17emengdeath@emengdeath-virtual-machine:~/Desktop/c2018/level2/GA$ ./a
drrrrddrdrruurur
17emengdeath@emengdeath-virtual-machine:~/Desktop/c2018/level2/GA$ ./a
drrddrrrrdrruurur
17emengdeath@emengdeath-virtual-machine:~/Desktop/c2018/level2/GA$ ./a
drrdrdrrrdrruurur
17emengdeath@emengdeath-virtual-machine:~/Desktop/c2018/level2/GA$ ./a
drrrrdddrrruurur
17emengdeath@emengdeath-virtual-machine:~/Desktop/c2018/level2/GA$ ./a
drrrrddrdrruurur
```

但处理不了蛇行图这种局部解坑太大情况。

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下午解决!

下午回来路上想到一个在估值时插入的自适应优化,果断把蛇行跑出来了,然后就测试大数据,调了很久发现了sb错误,大概是最有解2到3倍的步数,以后想到别的优化再加入!

```
Instruction:
#:Wall
P:people
E:export
.:space
Your steps:53
#.#.....
#.#.####.
#.#.#..#.
#.#.#.#.#.
#.#.#.#.#.
#.#.#P#.#.
#.#.##...
#.#....#.
#.######.
You win.And you cost 53 steps.
emengdeath@emengdeath-virtual-machine:~/Desktop/c2018/level1/p09 maze$
 🔗 🖨 🗈 emengdeath@emengdeath-virtual-machine: ~/Desktop/c2018/level2/GA
emengdeath@emengdeath-virtual-machine:~/Desktop/c2018/level2/GA$ g++ -o a a.cpp
./emengdeath@emengdeath-virtual-machine:~/Desktop/c2018/level2/GA$ ./a
dddddddddrrrrrruuuduuuuduuuullllllduddddddrrrruuuuulirlddd
61emengdeath@emengdeath-virtual-machine:~/Desktop/c2018/level2/GA$ qui
bash: qui: command not found
emengdeath@emengdeath-virtual-machine:~/Desktop/c2018/level2/GA$ g++ -o a a.cpp
- g
emengdeath@emengdeath-virtual-machine:~/Desktop/c2018/level2/GA$ ./a
ddddddddrrrrrruuuuuuuullllllddddddrrrruuuuullddd
53emengdeath@emengdeath-virtual-machine:~/Desktop/c2018/level2/GA$
```

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(最后是我手玩的结果(应该还得少几步,我一开始找不到P就左右走晃出来 了))

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