```
depth-first.txt
 Sep 14, 15 17:40
                                                                           Page 1/2
./vw-validator -time 10 -- ./run.sh depth-first < worlds/tiny-1.vw
Picked up JAVA_TOOL_OPTIONS: -Xmx256m
Program exited with status 0
Solver used 0.000 Seconds
Solver used approximately 988 KB of memory
Plan Cost:
Plan Length:
Nodes Generated: 10
Nodes Expanded: 4
 12
./vw-validator -time 10 -- ./run.sh depth-first < worlds/tiny-2.vw
Picked up JAVA_TOOL_OPTIONS: -Xmx256m
Program exited with status 0
Solver used 1.00 Seconds
Solver used approximately 988 KB of memory
Plan Cost:
                 11
Plan Length:
                  11
Nodes Generated: 29
Nodes Expanded: 12
 8*
___8*
./vw-validator -time 10 -- ./run.sh depth-first < worlds/small-1.vw
Picked up JAVA_TOOL_OPTIONS: -Xmx256m
Program exited with status 0
Solver used 0.000 Seconds
Solver used approximately 988 KB of memory
Plan Cost:
Plan Length:
                  77
Nodes Generated: 241
Nodes Expanded: 82
_#___*76
    # 7*6
   *#_#76#
   9 99766
   9999756
 #998875#
   9988855
# 9988##5
__#_#_4455
#_*4##
./vw-validator -time 10 -- ./run.sh depth-first < worlds/hard-1.vw
Picked up JAVA_TOOL_OPTIONS: -Xmx256m
Program exited with status 0
Solver used 0.000 Seconds
Solver used approximately 340 KB of memory
Plan Cost:
Plan Length:
Nodes Generated: 13994
Nodes Expanded: 5383
_#99_#___7777#__##_#_#_#_#_#_#_44
_*9999_#__7777#_#_# #_#_#_#_#_444444
_#9999#__#7777_###_#__##__5444444#_4#4
_#99999#__77777#___#__#__55#44444_#444
#999##99#777777##_##55_55#_5#_##4##4444#
_999_##9#7#7#777777#55555_55_
                                __4444#44_
```

```
Printed by Stephen M Chambers
                                   depth-first.txt
 Sep 14, 15 17:40
                                                                       Page 2/2
 99# 977 7777777#55555#5#
                               4444 4##
99999#997##_6777#77#5555555_##__444444_#
9## 999#7# #6##777#55555333#44442222#00
9# #### 78# 66# # 5## 553#444# #2#02222
9#_##88#_8#_66#_66#55_#553_#_#_2*2#00222
9__#8888_88#666#66665#_55333332*##__02##
9#998# 8888866666# 655 ##33333## 022
99998_#8888866#_#666_5#__0#_#3_##_#_332#
#_998#_#_888666#_6###5##_0#__3#____#3333
_9988#___8888666_#66665##___##_33##0033303
#9#8###88#8#66#__66#655_###_#_3330#3#3#3
_9_888#8888#_#__#666665#_____#33#_33333
_9#_#8#8888###___66666#____##_3#3333#33
_98888####___##__#_#_#__#___333#_###_
./vw-validator -time 10 -- ./run.sh depth-first < worlds/hard-2.vw
Picked up JAVA_TOOL_OPTIONS: -Xmx256m
Time limit reached
Solver used 10.00 Seconds
Solver used approximately 340 KB of memory
Plan was invalid
Failed to clean up all the dirt
```