Final Project – Demo: CC3K

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CS 246: Object-Oriented Software Development

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Contents

Command Line Options

```
y4chong@ubuntu2004-008:~/cs246/f21/project/version10$ ./cc3k floor.txt
Please choose difficulty: e(Easy), n(Normal by default)
n

[ Available Races: s(Shade), d(Drow), v(Vampire), g(Goblin), t(Troll) ]
Please choose a race to play (Press z for default race Shade):s
```

```
|---------------------------------------------------------------------------|
|                                                                           |
|  |------------------------|        |----------------------|               |
|  |.....O............H......|        |......................|               |
|  |...........L............+########+....................P...|-------|      |
|  |.......P......L..........|   #    |.....................D.........|--|   |
|  |P..P.......E............M|   #    |.................G...M.........|--|   |
|  |----------+-------------|   #    |----+---------------|................| |
|           #                   #############              |................| |
|           #                   #    |-----+------|         |................| |
|           #                   #    |....G.....LL|         |................| |
|           ####################    |.P.....L....|   ######+.G..........E..| |
|           #                   #    |G.G.G....P..|   #     |.............L.| |
|           #                   #    |-----+------|   #     |--------+------| |
|  |---------+----------|        #         #          #            #         |
|  |...............L....|        #         #          #      |----+------|   |
|  |...D................|        #########################    |..........|   |
|  |....G...............|        #         #                  |..W...M....|  |
|  |...................P|        #    |------+-------------------|..........| |
|  |..............G.@.|          #    |.................D......M..\.........| |
|  |...W.............+##########+...................GP...............P..|   |
|  |.MM................|          |.......W..........P.......G..........|     |
|  |-------------------|          |--------------------------------------|    |
|                                                                           |
|---------------------------------------------------------------------------|
```

Choose Player Race

```
|------------------------------------------------------------------------|
|                                                                        |
| |-------------------------|       |-----------------------|            |
| |.H.....L..O.........M.L...|       |.......................|           |
| |..................WH\....+########+.................G......|-------|   |
| |E........................|      #  |...........................|--|  |
| |...............M..P..P..|       #  |.........................G....|--| |
| |----------+--------------|      #  |----+---------------|...........| |
|          #                  #############            |.............| |
|          #                  #     |----+------|       |.........P.....| |
|          #                  #     |...P..OL.G.L|       |.....G.........| |
|          ##################     |E..G........|       ######+.............| |
|          #                  #     |..L....HG...|   #     |.............| |
|          #                  #     |----+------|   #     |--------+------| |
| |---------+----------|      #           #       #           #         |
| |....................@|      #           #       #        |----+------| |
| |....................|      ######################       |..........O| |
| |..........L.........|      #           #              |...........| |
| |...................L.|      #     |------+----------------|...........| |
| |..P..............PP.|      #  |................G.......P......G.......| |
| |.............P+##########+.G.....G...................W.........| |
| |..........O.........|       |............................P.......| |
| |--------------------|       |---------------------------------------| |
|                                                                        |
|------------------------------------------------------------------------|
Race: Shade Gold: 0 Level: 1
HP: 125
Atk: 25
Def: 25
Action:
```

```
|------------------------------------------------------------------------|
|                                                                        |
| |-------------------------|       |-----------------------|            |
| |................G........|       |....W.......L..........|           |
| |.....P...................+########+.................|-------|          |
| |.......P..M......L........|    #  |...........................|--|    |
| |.............L...........|    #  |.......L..........GD....P.........|--| |
| |----------+--------------|    #  |----+---------------|...........| |
|          #                  #############            |.P.............| |
|          #                  #     |----+------|       |.........W......| |
|          #                  #     |.@.....P..O.|       |..P............| |
|          ##################     |L......P..G.|       ######+.............| |
|          #                  #     |....P......|   #     |..W...........| |
|          #                  #     |----+------|   #     |--------+------| |
| |---------+----------|      #           #       #           #         |
| |....................|      #           #       #        |----+------| |
| |....P...............O|      ######################       |.........H.| |
| |...................L.|      #           #              |...........| |
| |....................|      #     |------+----------------|...........| |
| |....................|      #  |.........G.................E....| |
| |E............W......+##########+.......P.....G.........L...........| |
| |................G...|       |.......G......G..L......G..H.\WG.......| |
| |--------------------|       |---------------------------------------| |
|                                                                        |
|------------------------------------------------------------------------|
Race: Troll Gold: 0 Level: 1
HP: 120
Atk: 25
Def: 15
Action:

[ L deals 14 damage to you ]
```

Player Races' Special Abilities

Shade does not have any special ability so it's not shown here.

Drow

The potion effects will be magnified for drow.

```
|--------------------------------------------------------------------|
|                                                                    |
|  |-------------------------|       |----------------------|        |
|  |.........\...............G...|   |...P..................|        |
|  |...P.........P...........+########+................G......|-------|  |
|  |M.....L....L..............|    #   |........................P.........|--|  |
|  |...........................|    #   |.......W..............................|--|  |
|  |----------+--------------|    #   |----+----------------|................| |
|         #                   #############                |................| |
|         #                   #   |-----+------|           |................| |
|         #                   #   |.....G...L.M|           |................| |
|         ##################   |....G.W.....|    ######+................| |
|         #                   #   |........P..G|    #   |L....E.........| |
|         #                   #   |-----+------|    #   |--------+------| |
|  |---------+----------|    #          #        #           #      |
|  |.......H...O.L.......|    #          #        #       |----+------| |
|  |...........W.........|    ######################      |............| |
|  |....................|    #          #                 |......L....| |
|  |.................H.|    #   |------+-------------------|........D..| |
|  |........M...........|    #   |...W................G.....P........G.| |
|  |....................+##########+...P...............D...........H..| |
|  |....................|      |..@..E.L...P.....PP.................| |
|  |--------------------|      |----------------------------------| |
|                                                                    |
|--------------------------------------------------------------------|
Race: Drow Gold: 4 Level: 1
HP: 150
Atk: 25
Def: 15
Action:u ne
```

```
[ Used Potion: PH ]
< You found a new type of Potion! >
```

```
|--------------------------------------------------------------------|
|                                                                    |
|  |-------------------------|       |----------------------|        |
|  |.........\...............G...|   |...P..................|        |
|  |...P.........P...........+########+................G......|-------|  |
|  |M.....L....L..............|    #   |........................P.........|--|  |
|  |...........................|    #   |.......W..............................|--|  |
|  |----------+--------------|    #   |----+----------------|................| |
|         #                   #############                |................| |
|         #                   #   |-----+------|           |................| |
|         #                   #   |.....G...L.M|           |................| |
|         ##################   |....G.W.....|    ######+................| |
|         #                   #   |........P..G|    #   |L....E.........| |
|         #                   #   |-----+------|    #   |--------+------| |
|  |---------+----------|    #          #        #           #      |
|  |.......H...O.L.......|    #          #        #       |----+------| |
|  |...........W.........|    ######################      |............| |
|  |....................|    #          #                 |......L....| |
|  |.................H.|    #   |------+-------------------|........D..| |
|  |........M...........|    #   |...W................G.....P........G.| |
|  |....................+##########+...............D...........H..| |
|  |....................|      |..@..E.L...P.....PP.................| |
|  |--------------------|      |----------------------------------| |
|                                                                    |
|--------------------------------------------------------------------|
Race: Drow Gold: 4 Level: 1
HP: 135
Atk: 25
Def: 15
Action:
```

4

Vampire

```
|-------------------------------------------------------------------------|
|                                                                         |
| |--------------------------|       |-----------------------|           |
| |.........L......M.........|       |.......................|           |
| |....@...G........G........+########+.......................|-------|   |
| |...O.......E.G..........P..|   #   |....H....................|.....|--|  |
| |..........................P|   #   |.........O...............|.......|--| |
| |----------+---------------|   #   |----+-----------------|...........| |
|          #                 #############              |...............| |
|          #                     #   |-----+------|      |.............G| |
|          #                     #   |..GGP.......|      |.............W.| |
|          ##################    #   |....G..\....|   ######+...........| |
|          #                 #   |....G.....W.|   #   |...............| |
|          #                 #   |-----+------|   #   |--------+------| |
| |--------+-----------|      #       #        #      #           # |
| |.P..................|      #       #        #   |----+------|  | |
| |...................WL|     ##########################|...........| |
| |....................|     #       #        |.......W....| |
| |.L...........L..DG...|    #   |-------+-------------------|........| |
| |...............E.M.|    #   |..........LP...............PE.......| |
| |...............+##########+........................P...P.........| |
| |....W.........P.H....|      |...........P...L..............G......| |
| |--------------------|       |-----------------------------------| |
|                                                                         |
|------------------------                                          |
Race: Vampire Gold: 0 Level: 5
HP: 50
Atk: 25
Def: 25
Action: O deals 24 damage to PC.
: a sw
 PC deals 20 damage to O (160 HP). PC regains 5 HP.
```

```
[ Used Potion: RH ]
< You found a new type of Potion! >

|-------------------------------------------------------------------------|
|                                                                         |
| |--------------------------|       |-----------------------|           |
| |W....\.........L..........|       |.......................|           |
| |...WL.....P..............+########+....O...................|-------|   |
| |.P........M.......L.......|   #   |.........................|.....|--| |
| |.G.....................E.|   #   |........M.................|.....|--| |
| |----------+---------------|   #   |----+-----------------|...........G.| |
|          #                 #############              |...............| |
|          #                     #   |-----+------|      |.....G.........| |
|          #                     #   |......L...G.|      |...P...........| |
|          ##################    |...........|   ######+P.............| |
|          #                 #   |..M.......@.|   #   |...............| |
|          #                 #   |----+-----|   #   |--------+------| |
| |---------+-----------|      #       #        #      #           # |
| |......H.........L.....|     #       #        #      |----+------| |
| |.......G.....G......|      #####################   |.G.........| |
| |..........P..W.......|      #       #              |...........| |
| |.....................|      #   |------+-------------------|...........| |
| |.....................|      #   |...................P.........| |
| |.................+##########+..................W.....P.....G.....| |
| |H..P...........M...GO|       |..........................LM.........P..| |
| |--------------------|       |-----------------------------------| |
|                                                                         |
|------------------------                                          |
Race: Vampire Gold: 2 Level: 1
HP: 60
Atk: 25
Def: 25
Action:
```

Troll

<p style="text-align:center">Troll regains 5 HP every turn.</p>

```
[ H deals 18 damage to you ]
: a ea
PC deals 21 damage to H (119 HP). PC regains 5 HP.
|---------------------------------------------------------------------------------|
|                                                                                 |
|   |-------------------------|         |-----------------------|                 |
|   |............P............|         |.......M...............|                 |
|   |.O........P..............+#########+.......................|-------|         |
|   |.........W..............L.|   #     |...............................|--|      |
|   |....P.........P...........|   #     |.......H.............P..........|--|     |
|   |----------+--------------|   #     |----+--------------|.L..............|    |
|            #                     #############      |.............G.|            |
|            #                     #   |-----+------|   |...............|          |
|            #                     #   |....O..E..L.|   |...............|          |
|            ###################   |....M...M...|   ######+P..............|        |
|            #                     #   |..@H...P.G..|   #   |.........G....|        |
|            #                     #   |-----+------|   #   |-------+------|        |
|   |---------+-----------|       #         #           #         #               |
|   |...L......P..........|       #         #           #     |----+------|        |
|   |....................|        ##########################       |........WL.|   |
|   |.........WL..........|       #         #                 |..........|        |
|   |.......\......P.......|       #   |------+-------------------|..........|     |
|   |.............G........|       #   |.G.H.....G................G.........|      |
|   |....................+##########+.................D..................|         |
|   |...........P.........|         |...L.....G.....L..GG..................|       |
|   |--------------------|         |-------------------------------------|        |
|                                                                                 |
|---------------------------------------------------------------------------------|
Race: Troll Gold: 0 Level: 5
HP: 107
Atk: 25
Def: 15
Action: H missed.
: █
```

6

Goblin

```
PC deals 15 damage to M (0 HP). steal 5 glod from Merchant
|------------------------------------------------------------------------|
|                                                                        |
|   |-------------------------|       |-----------------------|         |
|   |.........L.........P.....O|       |.......................|         |
|   |.........................+#########+.....................|-------|  |
|   |...........M.H.......G@...|   #   |..............L.................|--|  |
|   |....G...O.....G...........|   #   |...M....P.....................L.....|--| |
|   |----------+--------------|   #   |----+---------------|.................| |
|          #                  #############   |....G.....P...| |
|          #                  #   |-----+------|         |...........G..| |
|          #                  #   |G...........|         |.........W.....| |
|     ###################   #   |...P........|     ######+................| |
|          #                  #   |G.\.GH.L.P.P|   #   |...............| |
|          #                  #   |-----+------|   #   |-------+------| |
|   |---------+-----------|   #          #        #              # |
|   |...............L......W|   #          #        #   |---+------| |
|   |.....H.................|   #######################   |...........| |
|   |............L.......O|   #          #        |...........| |
|   |....................|   #   |------+--------------------|.......P...| |
|   |...L..................|   #   |...................................| |
|   |............L.......+##########+....GG..P......................| |
|   |.........P...........|       |...........P..........GW.............| |
|   |--------------------|       |-----------------------------------| |
|                                                                        |
|------------------------------------------------------------------------|
Race: Goblin Gold: 5 Level: 5
HP: 51
Atk: 15
Def: 20
Action:
```

Enemy Races' Special Abilities

The dragons' abilities are shown in the section **Dragon & Dragonhoard**.

Human

Human drops 2 normal piles of gold when it dies.

```
PC deals 21 damage to H (14 HP).
|------------------------------------------------------------------------|
|                                                                        |
|  |------------------------|      |------------------------|           |
|  |...GD......W......P...OP..|      |..........G..........P|           |
|  |.M.....G................+########+.......H..............|-------|    |
|  |......D..................|   #   |....H..............L..E........|--| |
|  |P..........O.........O...|   #   |...P.....W......................|--||
|  |----------+-------------|   #   |----+----------------|H.............||
|          #                ############                 |...............||
|          #                  #   |-----+------|          |..........O....||
|          #                  #   |........GG.P|          |.......PG......||
|          ##################   |.G...E..D...|   ######+..............||
|          #                  #   |GDO.........|    #   |...............||
|          #                  #   |-----+------|    #   |--------+------||
|  |---------+----------|       #          #        #            #       ||
|  |.....\...G...........|      #          #        #      |----+------| ||
|  |....M....P......E....|      #################### #      |...........| ||
|  |....................|      #          #            |.P.P.......| ||
|  |....................|      #   |------+----------------|..........E| ||
|  |....................|      #   |......G.........(...@H..)........| ||
|  |................E.+##########+...........................| ||
|  |..........M..........|       |.....................................| ||
|  |--------------------|       |-------------------------------------| ||
|                                                                        |
|------------------------------------------------------------------------|
Race: Shade Gold: 0 Level: 1
HP: 61
Atk: 25
Def: 25
Action: H missed.
(: a ea)
 PC deals 21 damage to H (0 HP).
|------------------------------------------------------------------------|
|                                                                        |
|  |------------------------|      |------------------------|           |
|  |...GD......W......P...OP..|      |..........G..........P|           |
|  |.M.....G................+########+.......H..............|-------|    |
|  |......D..................|   #   |....H..............L..E........|--| |
|  |P..........O.........O...|   #   |...P.....W......................|--||
|  |----------+-------------|   #   |----+----------------|H.............||
|          #                ############                 |...............||
|          #                  #   |-----+------|          |..........O....||
|          #                  #   |........GG.P|          |.......PG......||
|          ##################   |.G...E..D...|   ######+..............||
|          #                  #   |GDO.........|    #   |...............||
|          #                  #   |-----+------|    #   |--------+------||
|  |---------+----------|       #          #        #            #       ||
|  |.....\...G...........|      #          #        #      |----+------| ||
|  |....M....P......E....|      #################### #      |...........| ||
|  |....................|      #          #            |.P.P.......| ||
|  |....................|      #   |------+----------------|..........E| ||
|  |....................|      #   |......G.........(..@G..)........| ||
|  |................E.+##########+...........................| ||
|  |..........M..........|       |.....................................| ||
|  |--------------------|       |-------------------------------------| ||
|                                                                        |
|------------------------------------------------------------------------|
Race: Shade Gold: 0 Level: 1
HP: 61
Atk: 25
Def: 25
Action:ea
```

[Picked Treasure: Normal Gold]

```
|-----------------------------------------------------------------------------|
|                                                                             |
| |-------------------------|     |------------------------|                  |
| |...GD.....W.......P....P..|     |...........G..........P|                  |
| |M......G..............O...+########+......H.................|-------|      |
| |......D.....................|    #   |...................L....E.......|--|  |
| |P..........O........O....|    #   |...PH....W.............H...........|--| |
| |----------+--------------|    #   |----+---------------|.............| |  |
|            #                 #############   |.............| |          |
|            #                 #   |-----+------|       |..........O.....| |  |
|            #                 #   |........GG.P|       |.......PG......| |   |
|            ##################   |.G....E.D...|   ######+.............| |    |
|            #                 #   |GDO.........|    #   |.............| |     |
|            #                 #   |-----+------|    #   |--------+------| |    |
| |---------+-----------|    #         #          #           #          |
| |.....\...G............|    #         #          #        |----+------| |     |
| |.........P......E...|    ########################       |...........| |     |
| |....M................|    #                 #           |.P.P......E| |      |
| |....................|    #   |------+----------------|...........| |       |
| |....................|    #   |......G.............@...|...........| |       |
| |.................E..+##########+...................... |...........| |       |
| |..........M...........|         |.......................|...........| |      |
| |-------------------|         |------------------------------------| |       |
|                                                                             |
|-----------------------------------------------------------------------------|
```
Race: Shade Gold: 4 Level: 1
HP: 61
Atk: 25
Def: 25
Action: █

Halfling

Halfling has a 50% chance to cause the player character to miss in combat.

```
|----------------------------------------------------------------------|
|                                                                      |
| |-------------------------|        |-----------------------|         |
| |....................G.....M.|       |............E............|       |
| |.................P....+#########+.P.....................|-------|    |
| |..P...............  .........L.|   #    |..........D.......DG...........|--|  |
| |..............(..L@..)........|   #    |...........G...........H...............|--| |
| |----------+-----------|   #    |----+----------------|..P............| |
|          #              #############       |GD.............| |
|          #              #   |-----+------|         |..............| |
|          #              #   |..W....G...G|         |.....L.........| |
|          ###################   |...........|    ######+........L.......| |
|          #              #   |.P....P.....|   #    |...............| |
|          #              #   |-----+------|   #    |--------+------| |
| |--------+----------|     #        #        #              #     |
| |.....M..............|     #        #        #       |----+------| |
| |....................|     ########################       |..........| |
| |.....P..........\.....|     #        #              |..........| |
| |..........G.........|     #   |------+-------------------|.P.........| |
| |G............L...W...|     #   |...G..P.............HP............| |
| |.........W...........+##########+......W........W.............W........| |
| |...W...........O.....|     |.E..G.........................H.........| |
| |-------------------|     |---------------------------------------| |
|                                                                      |
|----------------------------------------------------------------------|
Race: Goblin Gold: 0 Level: 5
HP: 110
Atk: 15
Def: 20
Action: L missed.
: a we
 You missed.
```

Dwarf

Vampires are allergic to dwarves and lose 5 HP rather than gain.
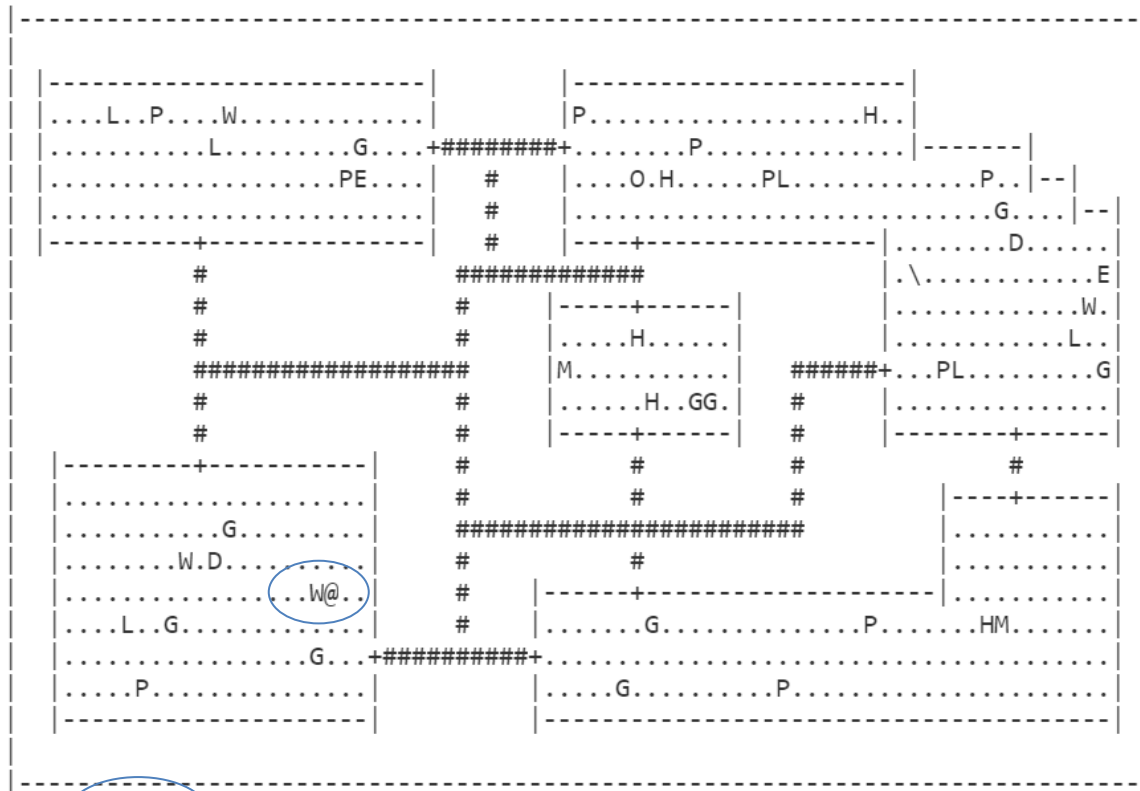
```
 |------------------------------------------------------------------------|
 |                                                                        |
 | |-----------------------------|    |------------------------|         |
 | |....L..P....W................|    |P...................H..|          |
 | |...........L.........G....+########+........P.............|-------|   |
 | |.....................PE....|   #   |....O.H......PL.............P..|--|  |
 | |..........................|   #   |...............................G....|--| |
 | |----------+---------------|   #   |----+---------------|.........D......| |
 |        #                   #############            |.\............E| |
 |        #                   #   |-----+------|        |.............W.| |
 |        #                   #   |.....H......|        |.............L..| |
 |        ###################   |M...........|    ######+...PL.........G| |
 |        #                   #   |......H..GG.|   #   |...............| |
 |        #                   #   |-----+------|   #   |--------+------| |
 | |--------+----------|       #        #        #        #        |
 | |...................|       #        #        #   |----+------| |
 | |..............G.........|   ########################  |...........| |
 | |........W.D....(...)...|   #          #          |...........| |
 | |..............(..W@.)..|   #   |------+-------------------|...........| |
 | |....L..G...........|       #   |.......G..............P.......HM......| |
 | |................G...+###########+...............................| |
 | |.....P.............|       |.....G.........P.....................| |
 | |-------------------|       |------------------------------------| |
 |                                                                        |
 |------------------------------------------------------------------------|
Race: Vampire Gold: 0 Level: 5
HP: 50
Atk: 25
Def: 25
Action:

[ W deals 16 damage to you ]
: a we
 PC deals 20 damage to W (80 HP). PC lose 5 HP.
```

Elf

Elf gets two attacks against every race except drow.

```
|-------------------------------------------------------------------------|
|                                                                         |
| |-------------------------|        |-----------------------|            |
| |....................\..L.|        |..G.........L........L.|            |
| |..........H...P.........+########+......................|-------|      |
| |.........(...E.P.)..P....|   #    |.P......................|--|         |
| |.........(....@..).......|   #    |.........W...G..G...........G...|--| |
| |---------+---------------|   #    |----+---------------|..G..........| |
|          #                 #############            |..............| |
|          #                        #  |-----+------|  |..............| |
|          #                        #  |...G........|  |..............| |
|          ################### #     |M.G.........|  ######+..............| |
|          #                        #  |..O.L......E|   #  |..............W..| |
|          #                        #  |-----+------|   #  |--------+------| |
| |--------+----------|       #        #         #              #         |
| |.........P.........|       #        #         #        |----+------|    |
| |.P.......L...M......|       #################### #              |.........| |
| |...................|       #        #              |....L......| |
| |...............P....|       #  |------+--------------------|P..L.D.....| |
| |.....W..G...........|       #  |...............P...............G.P....| |
| |.......G...........+##########+...................M...............W.| |
| |...................|       |W.L................................| |
| |-------------------|       |-----------------------------------| |
|                                                                         |
|-------------------------------------------------------------|
Race: Drow Gold: 0 Level: 1
HP: 94
Atk: 25
Def: 15
Action: E deals 27 damage to PC.
: ▮
```

```
|                                                                         |
| |-------------------------|        |-----------------------|            |
| |..........L......P..HO....|        |G.....................|            |
| |........H...............+########+M.....................|-------|      |
| |.......L....H............|   #    |.......................|--|         |
| |..\..........P.....G...G...|   #    |....................G............|--| |
| |---------+---------------|   #    |----+---------------|..H...........| |
|          #                 #############            |..............| |
|          #                        #  |-----+------|  |.....HH........| |
|          #                        #  |.G....@....|  |.........G....| |
|          ###################      |.D.....EP.|  ######+..............| |
|          #                        #  |......E.P...|   #  |...H..........| |
|          #                        #  |-----+------|   #  |--------+------| |
| |--------+----------|       #        #         #              #         |
| |............P.......|       #        #         #        |----+------|    |
| |.........LP..M......|       #################### #              |.........| |
| |...................|       #        #              |...........| |
| |...................|       #  |------+--------------------|...........| |
| |.........L..........|       #  |.....L.........P...........| |
| |....G..........H....+##########+....G...............GP.................P.| |
| |...................|       |...D.............L...........P.....G..L| |
| |-------------------|       |-----------------------------------| |
|                                                                         |
|----------------------------------------------------------|
Race: Goblin Gold: 0 Level: 5
HP: 110
Atk: 15
Def: 20
Action: E deals 25 damage to PC.
:   E deals 25 damage to PC.
```

```
|------------------------------------------------------------------------------|
|                                                                              |
|  |-------------------------|        |-----------------------|                |
|  |....................P...|        |M.................H..|                  |
|  |.................L.......+########+..................|-------|             |
|  |.G......P................|    #    |....G.................D.........|--|  |
|  |.....W........G..G...P..|    #    |......................G.......L...|--| |
|  |---------+--------------|    #    |----+---------------|.............|  | |
|       #                       #############                |.............|  | |
|       #                       #     |-----+------|          |.............|  | |
|       #                       #     |....P.M..G..|          |.............G..| |
|       ###################           |LP.EH......G|    ######+................| |
|       #                       #     |...L.L......|     #     |.............|  | |
|       #                       #     |-----+------|     #     |--------+-----| |
|  |---------+----------|      #         #          #            #           |
|  |......P..............|      #         #          #        |----+------|   |
|  |....P.O...........@.|      #############################    |.............|  |
|  |..............L....E.|      #          #                    |.............|  |
|  |...............\.......|      #     |------+-------------|.............|  |
|  |........P......G....|      #     |...........H...............G....|  |
|  |....................+##########+...........................P.........L.|  |
|  |....L....L..........|        |.W.....P...................M.....|  |
|  |--------------------|        |-----------------------------|  |
|                                                                              |
|------------------------------------------------------------------------------|
Race: Shade Gold: 0 Level: 1
HP: 125
Atk: 25
Def: 25
Action: E missed.  E missed.
:
```

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|------------------------------------------------------------------------------|
|                                                                              |
|  |-------------------------|        |-----------------------|                |
|  |..................E.......|        |.....G.................|                |
|  |.......L...P.......P......+########+...................G.|-------|          |
|  |.........P.....L..H......|    #    |........................D.........|--|  |
|  |.......L.....H.........G..|    #    |.......................H...W..|--| |
|  |---------+--------------|    #    |----+---------------|.............|  | |
|       #                       #############                |.............|  | |
|       #                       #     |-----+------|          |.........P.....|  | |
|       #                       #     |.....M....HG|          |.............M...| |
|       ###################           |P...HL....WO|    ######+...H...........| |
|       #                       #     |..G.......P|     #     |.............|  | |
|       #                       #     |-----+------|     #     |--------+-----| |
|  |---------+----------|      #         #          #            #           |
|  |....................|      #         #          #        |----+------|   |
|  |................OP|      #############################    |.....G.....|  |
|  |...........P.......P|      #          #                    |.............|  |
|  |.H...................|      #     |------+-------------|.............|  |
|  |..\..P..............|      #     |.G.......EG.........GG........|  |
|  |..E................+##########+..........@.|  |
|  |....................|        |.............................|  |
|  |--------------------|        |-----------------------------|  |
|                                                                              |
|------------------------------------------------------------------------------|
Race: Vampire Gold: 0 Level: 1
HP: 50
Atk: 25
Def: 25
Action: E deals 24 damage to PC.
:  E deals 24 damage to PC.
:
```

13

```
|--------------------------------------------------------------------|
|                                                                    |
| |------------------------|    |----------------------|            |
| |..L............O.....\P..|    |......................|            |
| |..........W..........G..+########+....................|-------|    |
| |.......P..................|    #   |P.......W...................|--| |
| |...W..................P...|    #   |..............................|--| |
| |----------+---------------|    #   |----+---------------|...............| |
|          #                ############   |...............| |
|          #                #   |-----+------|   |.........M.....| |
|          #                #   |O...........|   |....L..........| |
|          ###################   |...G...OPL.P|   ######+...............| |
|          #                #   |..MO......H|   #   |...............| |
|          #                #   |-----+------|   #   |--------+------| |
| |---------+----------|     #        #        #        #     |
| |...................|     #        #        #   |----+------| |
| |...................|     #######################   |..........| |
| |...........G.G......|     #        #            |..........| |
| |...................|     #   |-----+-------------------|...G........| |
| |W......P............|     #   |..@...........G........P............| |
| |.......L.....L.......+#########+.E...G......E..............GH...G.....| |
| |...................|     |.DGP........................P.......D..L.| |
| |--------------------|     |-----------------------------------------| |
|                                                                    |
|--------------------------------------------------------------------|
Race: Troll Gold: 0 Level: 1
HP: 120
Atk: 25
Def: 15
Action: E deals 27 damage to PC.
     :   E deals 27 damage to PC.
```

Orcs
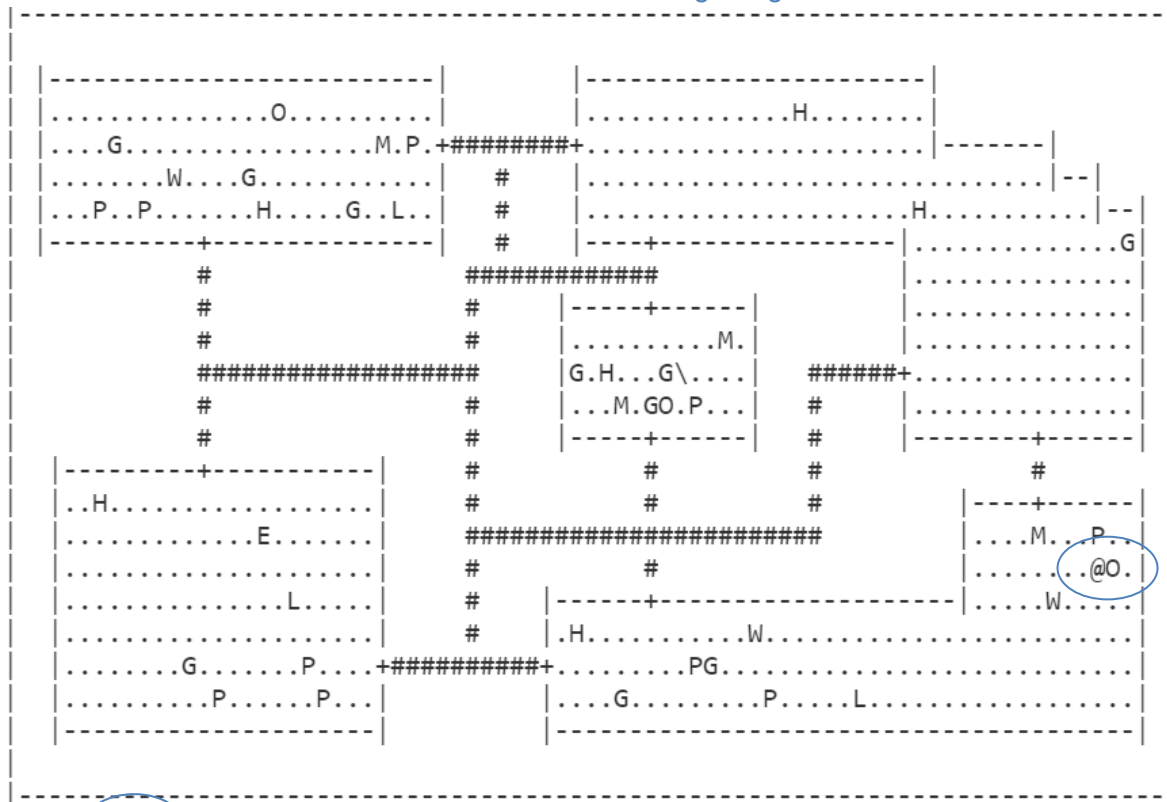
```
|----------------------------------------------------------------------------|
|                                                                            |
|   |-------------------------|       |----------------------|               |
|   |................O.........|       |............H........|               |
|   |....G.................M.P.+########+.....................|-------|       |
|   |.......W....G............|    #    |.............................|--|    |
|   |...P..P......H.....G..L..|    #    |..........................H..........|--| |
|   |----------+--------------|    #    |----+--------------|...............G| |
|           #                      #############              |...............| |
|           #                      #   |-----+------|         |...............| |
|           #                      #   |..........M.|         |...............| |
|           ###################    #   |G.H...G\....|   ######+...............| |
|           #                      #   |...M.GO.P...|   #     |...............| |
|           #                      #   |-----+------|   #     |--------+------| |
|   |---------+-----------|        #         #          #          #          |
|   |..H.................|         #         #          #     |----+------|    |
|   |...............E.......|      ########################   |....M...P..|    |
|   |..................|          #            #             |.......@O.|    |
|   |................L.....|       #   |------+--------------------|.....W.....| |
|   |....................|         #   |.H...........W.................| |
|   |........G......P....+###########+.........PG...................| |
|   |..........P......P...|       |...G.........P....L.................| |
|   |--------------------|        |------------------------------------| |
|                                                                            |
|----------------------------------------------------------------------------|
Race: Goblin Gold: 0 Level: 5
HP: 110
Atk: 15
Def: 20
Action: O deals 38 damage to PC.
```

Merchant

```
|-----------------------------------------------------------------------|
|                                                                       |
| |-------------------------|       |------------------------|          |
| |.........L.........P.....O|       |........................|          |
| |.....................+########+.......................|-------|       |
| |...........M.H.......(...M@...)    #   |..................L..........|--|     |
| |....G...O....G.........|       #   |...M....P.....................L.....|--|  |
| |---------+--------------|       #   |----+---------------|..............| |
|           #                ############   |....G......P...| |
|           #                #  |-----+------|    |...........G..| |
|           #                #  |G...........|    |.........W.....| |
|           ##################  |...P........|    ######+...............| |
|           #                #  |G.\.GH.L.P.P|    #  |...............| |
|           #                #  |-----+------|    #  |--------+------| |
| |---------+-----------|     #         #        #        #  |
| |.............L......W|     #         #        #  |----+------| |
| |.....H..............|     #####################|...........| |
| |...........L.......O|     #         #        |...........| |
| |...................|     #  |------+--------------------|.......P...| |
| |...L................|     #  |...............................| |
| |............L.......+##########+....GG..P.......................| |
| |.........P..........|       |...........P...........GW.............| |
| |--------------------|       |--------------------------------------| |
|                                                                       |
|-----------------------------------------------------------------------|
Race: Goblin Gold: 0 Level: 5
HP: 110
Atk: 15
Def: 20
Action:f
```

```
Action:a we
 PC deals 15 damage to M (15 HP).
|-----------------------------------------------------------------------|
|                                                                       |
| |-------------------------|       |------------------------|          |
| |.........L.........P.....O|       |........................|          |
| |.....................+########+.......................|-------|       |
| |...........M.H.......M@...|    #   |..................L..........|--|     |
| |....G...O....G...........|    #   |...M....P.....................L.....|--|  |
| |---------+--------------|    #   |----+---------------|..............| |
|           #                ############   |....G......P...| |
|           #                #  |-----+------|    |...........G..| |
|           #                #  |G...........|    |.........W.....| |
|           ##################  |...P........|    ######+...............| |
|           #                #  |G.\.GH.L.P.P|    #  |...............| |
|           #                #  |-----+------|    #  |--------+------| |
| |---------+-----------|     #         #        #        #  |
| |.............L......W|     #         #        #  |----+------| |
| |.....H..............|     #####################|...........| |
| |...........L.......O|     #         #        |...........| |
| |...................|     #  |------+--------------------|.......P...| |
| |...L................|     #  |...............................| |
| |............L.......+##########+....GG..P.......................| |
| |.........P..........|       |...........P...........GW.............| |
| |--------------------|       |--------------------------------------| |
|                                                                       |
|-----------------------------------------------------------------------|
Race: Goblin Gold: 0 Level: 5
HP: 110
Atk: 15
Def: 20
Action: M missed.
```

Move

Initial position is shown below.
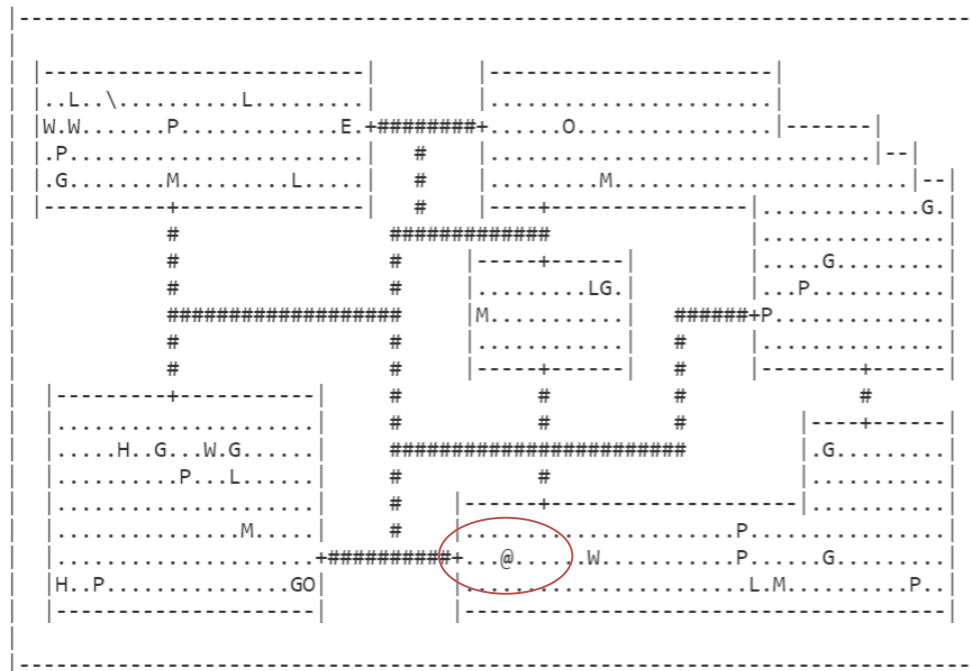
```
 |--------------------------------------------------------------------|
 |                                                                    |
 | |-----------------------|       |-----------------------|          |
 | |..L..\..........L.......|      |.........................|         |
 | |W.W.......P..............E.+########+......O...............|-------| |
 | |.P...........................|    #    |..........................|--| |
 | |.G........M.........L.....|    #    |.........M..................|--| |
 | |---------+--------------|    #    |----+--------------|...........G.| |
 |        #            ############         |.............| |
 |        #                 #    |-----+------|        |...G........| |
 |        #                 #    |.........LG.|        |...P........| |
 |        ##################    |M...........|    ######+P............| |
 |        #                 #    |............|    #    |.............| |
 |        #                 #    |-----+------|    #    |--------+------| |
 | |---------+-----------|   #         #        #            #      |
 | |....................|    #         #        #       |----+------| |
 | |.....H..G...W.G......|    #######################     |.G........| |
 | |..........P...L......|    #              #          |...........| |
 | |....................|    #    |------+-----------------|..........| |
 | |..............M.....|     #    |............P.......| |
 | |................+########+...@.....).W..........P......G.....| |
 | |H..P..............GO|    |.......................L.M..........P..| |
 | |--------------------|    |-----------------------------------------| |
 |                                                                    |
 |--------------------------------------------------------------------|
Race: Vampire Gold: 2 Level: 1
HP: 60
Atk: 25
Def: 25
Action:
```

Action:no

```
 |--------------------------------------------------------------------|
 |                                                                    |
 | |-----------------------|       |-----------------------|          |
 | |.L...\.........L..........|    |.........................|         |
 | |.W........P.............E..+########+.......O..............|-------| |
 | |WP...................L.....|    #    |..........................|--| |
 | |.G.......M..................|   #    |........M....................|--| |
 | |---------+--------------|   #    |----+--------------|..............G.| |
 |        #            #############         |.............| |
 |        #                 #    |-----+------|        |.....G........| |
 |        #                 #    |M.......L.G.|        |...P..........| |
 |        ##################    |............|    ######+P............| |
 |        #                 #    |............|    #    |.............| |
 |        #                 #    |-----+------|    #    |--------+------| |
 | |---------+-----------|   #         #        #            #      |
 | |.....H......W........|    #         #        #       |----+------| |
 | |........G....G......|    #######################     |.G......| |
 | |..........P.........|    #              #          |...........| |
 | |..............L.....|    #    |------+-------------------|..........| |
 | |...........M......|     #    |...@.....)............P......| |
 | |................O+########+.......................P.....G.........| |
 | |.H.P..............G.|    |.........W...........L.M..........P..| |
 | |--------------------|    |-----------------------------------------| |
 |                                                                    |
 |--------------------------------------------------------------------|
```
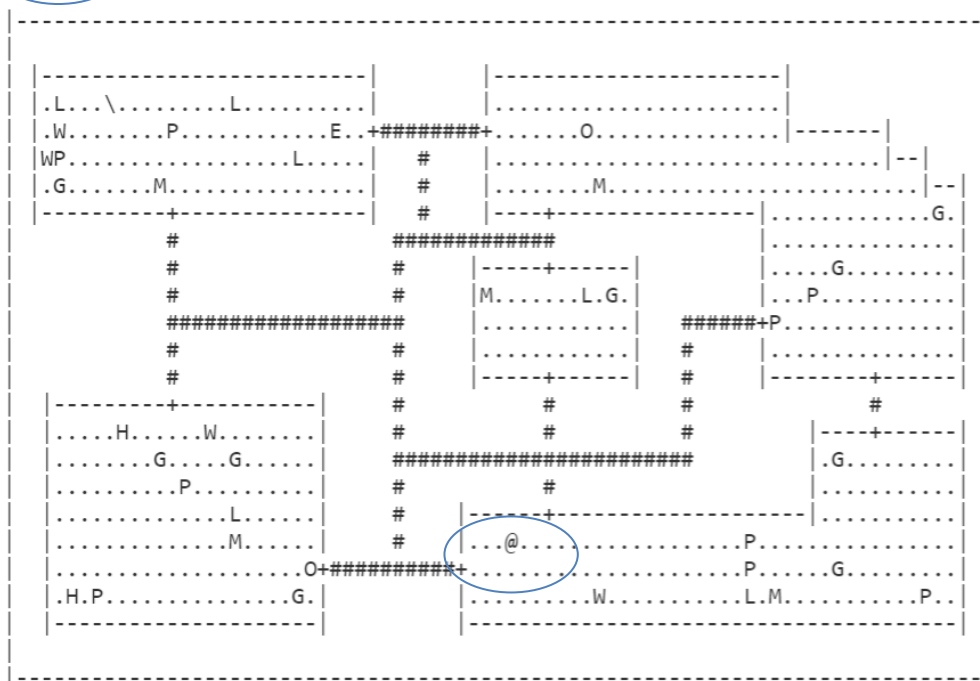
Action:we

```
 ------------------------------------------------------------------
|                                                                  |
| |------------------------|       |----------------------|        |
| |.L...\..........L........|      |......................|        |
| |W........P............E.+########+........O.............|-------|  |
| |WP......................|    #    |.......................|--|   |
| |.G.......M........L....|    #    |..........M.................|--| |
| |----------+--------------|    #    |----+---------------|.............G.| |
|           #               ############    |...............|  |
|           #               #  |-----+------|    |.....G.........| |
|           #               #  |M........G.|    |...P...........| |
|           ##################  |.......L...|  ######+P...............| |
|           #               #  |...........|  #  |...............| |
|           #               #  |-----+------|  #  |--------+------| |
| |---------+-----------|    #          #      #         #      |
| |....H........W.......|    #          #      #  |----+------| |
| |.......G....G......|    #          #      #  |.G.........| |
| |..........P.........|  #######################  |...........| |
| |...............L.....|    #          #        |...........| |
| |..............M.......|    #  |------+------------------|...........| |
| |.................O.+##########+..@.......................P.........| |
| |..HP..............G.|        |..............P.....G.......| |
| |--------------------|        |............W..........L..M.........P..| |
|                               |------------------------------------| |
 ------------------------------------------------------------------
```

Action:sw

```
 ------------------------------------------------------------------
|                                                                  |
| |------------------------|       |--------------------|          |
| |.L...\..........L........|      |....................|          |
| |.W.......P..............E+########+.......................|-------|  |
| |WP.......M..............|    #    |.......O...................|--|   |
| |.G....................L...|    #    |..........M.................|--| |
| |----------+--------------|    #    |----+---------------|.............G.| |
|           #               ############    |...............|  |
|           #               #  |-----+------|    |.....G.........| |
|           #               #  |.M........G.|    |...P...........| |
|           ##################  |.......L...|  ######+P...............| |
|           #               #  |...........|  #  |...............| |
|           #               #  |-----+------|  #  |--------+------| |
| |---------+-----------|    #          #      #         #      |
| |...H..........W......|    #          #      #  |----+------| |
| |.......G....G......|    ########################  |.G.........| |
| |..........P.........|  #          #        |...........| |
| |...............L....|    #  |------+------------------|...........| |
| |..............M.......|    #  .@.......................P.........| |
| |..................O+##########+.@.......................P.....G.......| |
| |..HP..............G.|        |............W..........L..M.........P..| |
| |--------------------|        |------------------------------------| |
|                                                                  |
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```

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 |---------------------------------------------------------------------------|
 |                                                                           |
 |  |-------------------------|     |----------------------|                 |
 |  |L....\.....................|     |......................|                |
 |  |..W......P....L......E.+########+......................|-------|         |
 |  |.P.......M..........L...|    #   |..........O.................|--|       |
 |  |WG......................|    #   |...........M..................|--|     |
 |  |---------+--------------|    #   |----+----------------|.............G.| |
 |           #                ##############                |................| |
 |           #                      #   |-----+------|      |.....G.........| |
 |           #                      #   |.M.......G.|       |...P...........| |
 |           ###################        |........L...|  ######+P............| |
 |           #                      #   |..........|    #   |...............| |
 |           #                      #   |-----+------|    #   |--------+------| |
 |  |---------+----------|          #         #        #         #           |
 |  |..H............W.....|         #         #        #       |----+------|  |
 |  |.......G....G......|          #######################     |.G.........|  |
 |  |.........P.........|          #         #               |...........|  |
 |  |...................|          #   |------+-------------------|...........| |
 |  |..........M....L....|         #   |.................................P....| |
 |  |..H.................O+##########+..............................P.....G..| |
 |  |...P.............G.|        |..@........W..........L...M.......P..|      |
 |  |-------------------|        |-------------------------------------|      |
 |                                                                           |
 |---------------------------------------------------------------------------|
```

```
 |---------------------------------------------------------------------------|
 |                                                                           |
 |  |-------------------------|     |----------------------|                 |
 |  |.L...\.....................|     |......................|                |
 |  |...W.....MP.............E..+########+......................|-------|      |
 |  |.P................L....L...|    #   |.........O...................|--|    |
 |  |WG........................|    #   |.........M...................|--|    |
 |  |---------+--------------|    #   |----+----------------|.............G.| |
 |           #                ##############                |................| |
 |           #                      #   |-----+------|      |.....G.........| |
 |           #                      #   |..........G.|       |...P...........| |
 |           ###################        |.M.......L..|   ######+P............| |
 |           #                      #   |..........|    #   |...............| |
 |           #                      #   |-----+------|    #   |--------+------| |
 |  |---------+----------|          #         #        #         #           |
 |  |.H..................|          #         #        #       |----+------|  |
 |  |.......G.....GW.....|          #######################     |.G.........|  |
 |  |.........P.........|          #         #               |...........|  |
 |  |...................|          #   |------+-------------------|...........| |
 |  |..H.....M......L..|          #   |.................................P....| |
 |  |....................+##########+.@.....................P.....G.........| |
 |  |...P................GO|        |............W..........L...M.........P..| |
 |  |-------------------|          |-------------------------------------|    |
 |                                                                           |
 |---------------------------------------------------------------------------|
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|----------------------------------------------------------------------------|
|                                                                            |
|   |---------------------------|      |------------------------|            |
|   |..L..\...M..............E..|      |........................|            |
|   |..........P...............+########+.....................|-------|      |
|   |WP.W..........L..........|    #   |..............O.....................|--|  |
|   |.G.......................L...|    #   |.......M.............................|--|
|   |----------+---------------|    #   |----+---------------|...............G.|  |
|              #                ##############            |................|  |
|              #                  #  |-----+------|       |.....G..........|  |
|              #                  #  |..........G.|       |...P...........|  |
|              ####################  |..M........|      ######+P...........|  |
|              #                  #  |.........L.|       #    |...........|  |
|              #                  #  |----+------|       #    |-------+------|  |
|   |---------+-----------|       #       #       #       #            #     |
|   |..H..................|       #       #       #       |----+------|      |
|   |........G.....G.W....|       #########################       |.G.........|  |
|   |..........P..........|       #              #              |...........|  |
|   |.....................|       #  |------+------------------|...........|  |
|   |...H...........L....|       #  |..@.....................P...........|  |
|   |...........M.........+##########+.......................P.....G....|  |
|   |...P...............GO|          |.............W..........L...M.......P.|  |
|   |--------------------|          |-------------------------------------|  |
|                                                                            |
|----------------------------------------------------------------------------|
```

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|----------------------------------------------------------------------------|
|                                                                            |
|   |---------------------------|      |------------------------|            |
|   |.....\....M.............E...|      |........................|            |
|   |..L.......P....L...........+########+.....................|-------|      |
|   |WP.......................|    #   |.......M..O.........................|--|  |
|   |.G.W......................L.|    #   |...................................|--|
|   |----------+---------------|    #   |----+---------------|...............G.|  |
|              #                ##############            |................|  |
|              #                  #  |-----+------|       |.....G..........|  |
|              #                  #  |..........G.|       |...P...........|  |
|              ####################  |...M.......|      ######+P...........|  |
|              #                  #  |.........L.|       #    |...........|  |
|              #                  #  |----+------|       #    |-------+------|  |
|   |---------+-----------|       #       #       #       #            #     |
|   |..H..................|       #       #       #       |----+------|      |
|   |........G.....G......|       #########################       |.G.........|  |
|   |..........P.....W....|       #              #              |...........|  |
|   |.....................|       #  |------+------------------|...........|  |
|   |....H...........L...|       #  |..@.....................P...........|  |
|   |..........M.........+##########+.......................P.....G....|  |
|   |...P...............GO|          |.............W.......L...M.........P..|  |
|   |--------------------|          |-------------------------------------|  |
|                                                                            |
|----------------------------------------------------------------------------|
```

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|-------------------------------------------------------------------------|
|                                                                         |
|   |---------------------------|        |-----------------------|        |
|   |.....\...M............E...|         |.......................|        |
|   |WL........P.....L.........+########+...........O.............|-------|  |
|   |.P.W.......................|    #   |..........M...............................|--|  |
|   |.G.......................L.|    #   |.............................................|--|  |
|   |----------+----------------|    #   |----+----------------|.............G.|  |
|           #                        ############              |................|  |
|           #                        #   |-----+------|        |.....G.........|  |
|           #                        #   |.........G.|         |...P...........|  |
|           ###################      |..M.........|      ######+P.............|  |
|           #                        #   |.........L...|   #   |..............|  |
|           #                        #   |----+-------|   #   |--------+------|  |
|   |----------+-----------|       #       #       #              #     |
|   |.H....................|       #       #       #      |----+------|  |
|   |.........G.....G.W....|       #########################       |.G.........|  |
|   |..........P..........|        #       #              |..........|  |
|   |.....................|        #   |------+-------------------|..........|  |
|   |.....H..........L....|        #   |.................P............|  |
|   |.........M...........+##########+...@....................LP......G........|  |
|   |...P...............GO|        |...........W..............M........P..|  |
|   |--------------------|         |------------------------------------|  |
|                                                                         |
|-------------------------------------------------------------------------|
```

Combat

```
|---------------------------------------------------------------------|
|                                                                     |
| |-------------------------|     |-----------------------|           |
| |..P......................|     |....................G...|          |
| |...............G.........G+########+.......................|-------| |
| |.....WP...\P...........P..|    #   |..................................|--| |
| |..........................|    #   |.......G.......................W...|--| |
| |----------+--------------|    #   |----+----------------|L.............| |
|           #                 #############           |.............|   |
|           #               #   |----+------|         |.....L........|   |
|           #               #   |.MGD......P.|         |.............|   |
|           ##################   |..G...H....M|   ######+..............|   |
|           #               #   |..P.E....M..|  #   |.H..........L..|   |
|           #               #   |----+------|  #   |--------+------|   |
| |---------+----------|    #        #        #         #            |
| |.....H.L...G.......E|    #        #        #   |----+------|      |
| |............PH....H.|    ######################   |..H......G.|      |
| |........E.P..........|    #        #           |..........G|      |
| |.E...................|    #   |------+-------------------|...........|   |
| |@....................|    #   |..................................|   |
| |............P........+##########+..G...............................|   |
| |....................|     |.P.................................H|   |
| |--------------------|     |--------------------------------------|   |
|                                                                     |
|---------------------------------------------------------------------|
Race: Drow Gold: 0 Level: 1
HP: 123
Atk: 25
Def: 15
Action: E missed.
a ne
 PC deals 23 damage to E (94 HP).
```

```
|---------------------------------------------------------------------|
|                                                                     |
| |-------------------------|     |-----------------------|           |
| |..P......................|     |....................G...|          |
| |...............G.........G+########+.......................|-------| |
| |.....WP...\P...........P..|    #   |..................................|--| |
| |..........................|    #   |.......G.......................W...|--| |
| |----------+--------------|    #   |----+----------------|L.............| |
|           #                 #############           |.............|   |
|           #               #   |----+------|         |.....L........|   |
|           #               #   |.MGD......P.|         |.............|   |
|           ##################   |..G...H....M|   ######+..............|   |
|           #               #   |..P.E....M..|  #   |.H..........L..|   |
|           #               #   |----+------|  #   |--------+------|   |
| |---------+----------|    #        #        #         #            |
| |.....H.L...G.......E|    #        #        #   |----+------|      |
| |............PH....H.|    ######################   |..H......G.|      |
| |........E.P..........|    #        #           |..........G|      |
| |.E...................|    #   |------+-------------------|...........|   |
| |@....................|    #   |..................................|   |
| |............P........+##########+..G...............................|   |
| |....................|     |.P.................................H|   |
| |--------------------|     |--------------------------------------|   |
|                                                                     |
|---------------------------------------------------------------------|
Race: Drow Gold: 0 Level: 1
HP: 150
Atk: 25
Def: 15
Action: E deals 27 damage to PC.
: a ne
 PC deals 23 damage to E (117 HP).
```

```
|---------------------------------------------------------------------|
|                                                                     |
|  |-------------------------|        |-----------------------|       |
|  |..P......................|        |....................G...|      |
|  |.............G.........G+########+........................|-------| |
|  |.....WP...\P...........P..|    #   |........................|--|  |
|  |.........................|    #   |.......G...................W...|--| |
|  |---------+---------------|    #   |----+---------------|L............| |
|           #               #############       |................| |
|           #               #  |-----+------|   |.....L..........| |
|           #               #  |.MGD......P.|   |................| |
|           ###################  |..G...H....M|  ######+.............| |
|           #               #  |..P.E....M..|  #   |.H..........L..| |
|           #               #  |-----+------|  #   |--------+------| |
|  |---------+-----------|    #         #      #            #       |
|  |.....H.L...G.......E|    #         #      #      |----+------|  |
|  |...........PH....H.|    #################       |..H......G.|  |
|  |........E.P.........|    #         #            |.........G|  |
|  |.E..................|    #   |------+------------------|.....| |
|  |@..................|    #   |.......................| |
|  |...........P........+##########+..G.................| |
|  |..................|         |.P............................H| |
|  |--------------------|        |----------------------------| |
|                                                                     |
|---------------------------------------------------------------------|
Race: Drow Gold: 0 Level: 1
HP: 123
Atk: 25
Def: 15
Action: E missed. a ne
 PC deals 23 damage to E (71 HP).
```

```
|---------------------------------------------------------------------|
|                                                                     |
|  |-------------------------|        |-----------------------|       |
|  |..P......................|        |....................G...|      |
|  |.............G.........G+########+........................|-------| |
|  |.....WP...\P...........P..|    #   |........................|--|  |
|  |.........................|    #   |.......G...................W...|--| |
|  |---------+---------------|    #   |----+---------------|L............| |
|           #               #############       |................| |
|           #               #  |-----+------|   |.....L..........| |
|           #               #  |.MGD......P.|   |................| |
|           ###################  |..G...H....M|  ######+.............| |
|           #               #  |..P.E....M..|  #   |.H..........L..| |
|           #               #  |-----+------|  #   |--------+------| |
|  |---------+-----------|    #         #      #            #       |
|  |.....H.L...G.......E|    #         #      #      |----+------|  |
|  |...........PH....H.|    #################       |..H......G.|  |
|  |........E.P.........|    #         #            |.........G|  |
|  |.E..................|    #   |------+------------------|.....| |
|  |@..................|    #   |.......................| |
|  |...........P........+##########+..G.................| |
|  |..................|         |.P............................H| |
|  |--------------------|        |----------------------------| |
|                                                                     |
|---------------------------------------------------------------------|
Race: Drow Gold: 0 Level: 1
HP: 123
Atk: 25
Def: 15
Action: E deals 27 damage to PC.
: a ne
 PC deals 23 damage to E (48 HP).
```

Enemy Dies

```
|-----------------------------------------------------------------|
| |--------------------------|    |-----------------------|       |
| |..P.......................|    |.................G...|         |
| |.............G.........G+########+.......................|------|  |
| |.....WP...\P..........P..|   #   |.........................|--|   |
| |.........................|   #   |.......G...............W...|--| |
| |----------+--------------|   #   |----+---------------|L...........| |
|         #              #############       |.............| |
|         #              #    |-----+------|       |.....L.........| |
|         #              #    |.MGD......P.|       |...............| |
|         ##################   |..G...H....M|  ######+...............| |
|         #              #    |..P.E....M..|   #   |.H..........L..| |
|         #              #    |-----+------|   #   |--------+------| |
| |---------+----------|      #        #        #         #       |
| |.....H.L...G.......E|      #        #        #    |----+------| |
| |...........PH....H.|   #####################        |..H......G.| |
| |........E.P.........|      #        #             |.........G| |
| |.E.................|      #   |------+-------------------|.........| |
| |@..................|      #   |..................................| |
| |............P........+##########+..G.........................| |
| |...................|      |.P...............................H| |
| |-------------------|      |--------------------------------------| |
|                                                                 |
|-----------------------------------------------------------------|
Race: Drow Gold: 0 Level: 1
HP: 42
Atk: 25
Def: 15
Action: E missed.
a ne
 PC deals 23 damage to E (0 HP).
[ Picked Treasure: Small Gold ]
```

```
|-----------------------------------------------------------------|
| |--------------------------|    |-----------------------|       |
| |..P.......................|    |.................G...|         |
| |.............G.........G+########+.......................|------|  |
| |.....WP...\P..........P..|   #   |.........................|--|   |
| |.........................|   #   |.......G...............W...|--| |
| |----------+--------------|   #   |----+---------------|L...........| |
|         #              #############       |.............| |
|         #              #    |-----+------|       |.....L.........| |
|         #              #    |.MGD......P.|       |...............| |
|         ##################   |..G...H....M|  ######+...............| |
|         #              #    |..P.E....M..|   #   |.H..........L..| |
|         #              #    |-----+------|   #   |--------+------| |
| |---------+----------|      #        #        #         #       |
| |.....H.L...G.......E|      #        #        #    |----+------| |
| |...........PH....H.|   #####################        |..H......G.| |
| |........E.P.........|      #        #             |.........G| |
| |..................|      #   |------+-------------------|.........| |
| |@..................|      #   |..................................| |
| |............P........+##########+..G.........................| |
| |...................|      |.P...............................H| |
| |-------------------|      |--------------------------------------| |
|                                                                 |
|-----------------------------------------------------------------|
Race: Drow Gold: 1 Level: 1
HP: 42
Atk: 25
Def: 15
Action:
```

The enemy dies, and gold is immediately added to the player character's total.
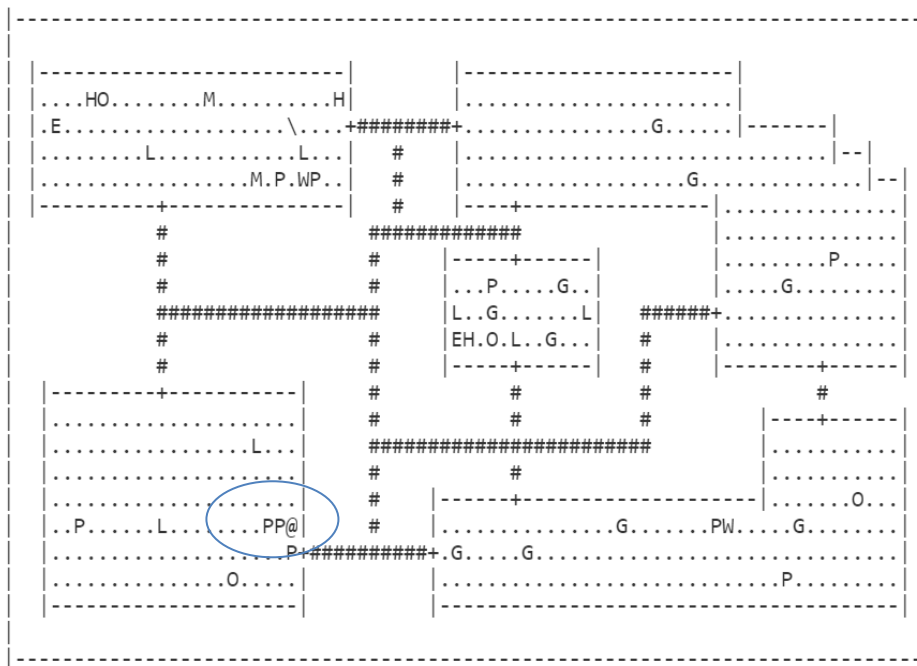
PC Dies

```
|----------------------------------------------------------------------------|
|                                                                            |
|  |-------------------------|        |-----------------------|             |
|  |.P.......W.P.............|        |.......................|             |
|  |...................G....+########+......G................|-------|      |
|  |..............@E.........L|   #    |.....L................L........|--|  |
|  |.........................|   #    |........................GP....W....|--| |
|  |----------+--------------|   #    |----+----------------|....\.........| |
|          #                 #############               |..............| |
|          #                 #      |-----+------|        |..............| |
|          #                 #      |.....P.GG...|        |..............| |
|          ##################       |H..H.....P..|   ######+.............| |
|          #                 #      |......L..P..|   #   |...W..........| |
|          #                 #      |-----+------|   #   |--------+------| |
|   |---------+-----------|   #           #         #          #          |
|   |.....................|   #           #         #      |----+------|  |
|   |P...................P.|   #######################      |W......G...|  |
|   |.....................|   #           #               |...........|  |
|   |..........OMW.......|   #   |------+-------------------|.G.........|  |
|   |.....................|   #   |...M.                    |..........| |
|   |..................+##########+........G.P..............G...........| |
|   |.........LPG........|        |.........W...W...L....L..............| |
|   |-------------------|        |------------------------------------| |
|                                                                            |
|----------------------------------------------------------------------------|
Race: Vampire Gold: 0 Level: 1
HP: 2
Atk: 25
Def: 25
Action: E deals 24 damage to PC.
:  E missed.
: You Lose!
Do you want to play again?(press r for replay) :ea
```

Use Potions

```
|----------------------------------------------------------------------------|
|                                                                            |
|  |--------------------------|      |-----------------------|              |
|  |....HO........M..........H|      |.......................|              |
|  |.E....................\....+########+...............G......|-------|     |
|  |.........L.............L...|    #    |..............................|--| |
|  |..................M.P.WP..|    #    |.......................G.............|--| |
|  |---------+--------------|    #    |----+----------------|...............| |
|        #                  #############   |...............| |
|        #                  #  |-----+------|      |.........P.....| |
|        #                  #  |...P.....G..|      |.....G.........| |
|        ##################   |L..G.......L|    ######+...............| |
|        #                  #  |EH.O.L..G...|    #   |...............| |
|        #                  #  |-----+------|    #   |--------+------| |
|  |---------+----------|     #        #        #            #    |
|  |...................|      #        #        #    |---+------| |
|  |...............L...|      ######################     |...........| |
|  |..................|      #        #              |...........| |
|  |..............(.......)|     #   |------+-------------------|.......O...| |
|  |..P......L...(....PP@)|     #   |..............G.......PW.....G........| |
|  |.................P+##########+.G.....G...........................| |
|  |...............O.....|      |.....................................P........| |
|  |--------------------|      |-----------------------------------| |
|                                                                            |
|----------------------------------------------------------------------------|
Race: Shade Gold: 0 Level: 1
HP: 125
Atk: 25
Def: 25
Action:u we

[ Used Potion: WD ]
< You found a new type of Potion! >
```

```
|----------------------------------------------------------------------------|
|                                                                            |
|  |--------------------------|      |-----------------------|              |
|  |....HO........M..........H|      |.......................|              |
|  |.E....................\....+########+...............G......|-------|     |
|  |.........L.............L...|    #    |..............................|--| |
|  |..................M.P.WP..|    #    |.......................G.............|--| |
|  |---------+--------------|    #    |----+----------------|...............| |
|        #                  #############   |...............| |
|        #                  #  |-----+------|      |.........P.....| |
|        #                  #  |...P.....G..|      |.....G.........| |
|        ##################   |L..G.......L|    ######+...............| |
|        #                  #  |EH.O.L..G...|    #   |...............| |
|        #                  #  |-----+------|    #   |--------+------| |
|  |---------+----------|     #        #        #            #    |
|  |...................|      #        #        #    |---+------| |
|  |...............L...|      ######################     |...........| |
|  |..................|      #        #              |...........| |
|  |..............(.......)|     #   |------+-------------------|.......O...| |
|  |..P......L...(....P.@)|     #   |..............G.......PW.....G........| |
|  |.................P+##########+.G.....G...........................| |
|  |...............O.....|      |.....................................P........| |
|  |--------------------|      |-----------------------------------| |
|                                                                            |
|----------------------------------------------------------------------------|
```
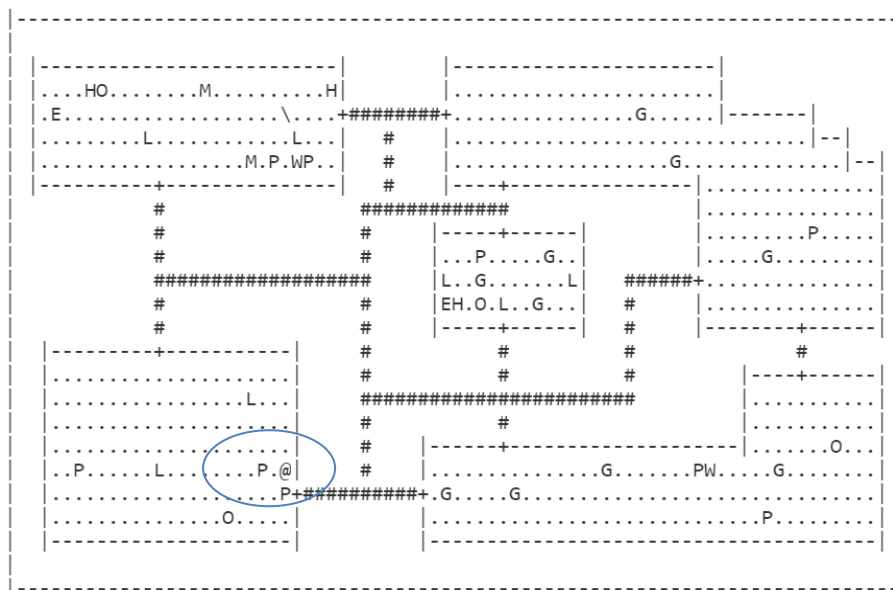
A used potion will not appear on the map any longer.

A notification will be shown on the top of the map if the player is near an already-learned potion.

< Potion WD is on your "we" side! >

```
|-------------------------------------------------------------------------|
|                                                                         |
| |--------------------------|        |----------------------------|      |
| |....O.........M.........H.|        |............................|      |
| |....H..................\....+########+................G......|-------|  |
| |.E.........L.......M..L....|    #    |............................|--|  |
| |...................P.WP..|      #    |....................G..........|--| |
| |----------+--------------|      #    |----+----------------|...........| |
|            #                  #############               |............| |
|            #                 #     |-----+------|          |.........P.| |
|            #                 #     |...P.....G..|          |.....G.....| |
|      ###################     #     |L..G......L.|  ######+.............| |
|            #                 #     |E.HO.L..G...|    #    |...........| |
|            #                 #     |-----+------|    #    |--------+------| |
|  |---------+----------|      #           #          #              #   |
|  |...................|       #           #          #     |----+------| |
|  |...................L..|    ########################      |.........| |
|  |...................|       #           #                |.........| |
|  |..............,.....|      #     |------+--------------------|......O....| |
|  |..P.......L..(.....P@.|    #     |..............G.......P......G........| |
|  |......................+##########+.G.....G................W........| |
|  |..............O.....|         |..............................P........| |
|  |-------------------|          |--------------------------------------| |
|                                                                         |
|-------------------------------------------------------------------------|
```

Race: Shade Gold: 0 Level: 1
HP: 115
Atk: 25
Def: 20
Action:u we

[Used Potion: WD]
< Potion effect: decrease Def by 5 >

Pick Gold

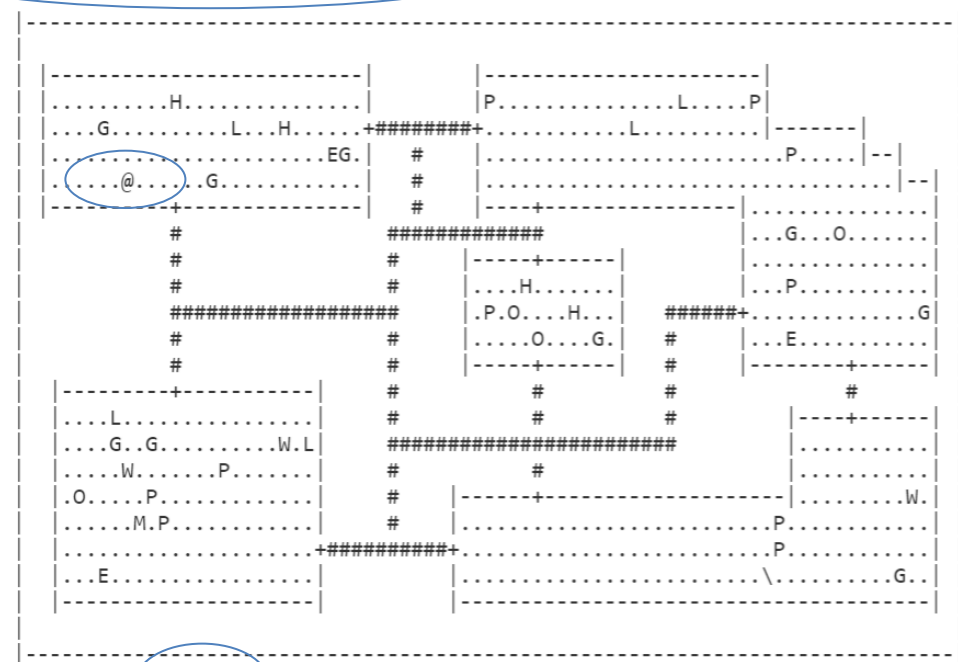Unprotected golds (Small Gold, Normal Gold) will be picked when the player walks over it.
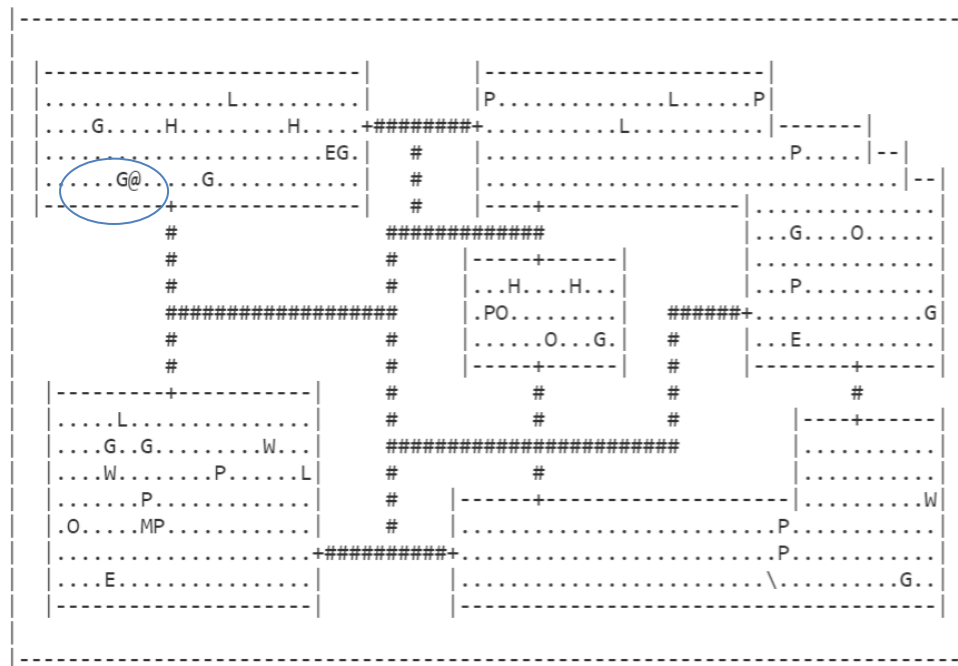
```
|--------------------------------------------------------------------------|
|                                                                          |
|  |-------------------------|    |-----------------------|                |
|  |...............L.........|    |P..............L.....P|                 |
|  |....G....H.........H.....+########+...........L...........|-------|     |
|  |........................EG.|    #  |...........................P.....|--|  |
|  |.....G@...G............|    #  |...........................|--|     |
|  |----------+-------------|    #  |----+---------------|.............|  |
|           #                      #############          |...G....O......|  |
|           #                      #  |-----+------|       |...............|  |
|           #                      #  |...H....H...|       |...P...........|  |
|           ##################         .PO........|    ######+..............G|  |
|           #                      #  |......O...G.|    #  |...E...........|  |
|           #                      #  |-----+------|    #  |--------+------|  |
|  |---------+-----------|          #        #         #             #     |
|  |.....L...............|          #        #         #      |----+------|  |
|  |....G..G.........W...|          ######################       |.........|  |
|  |....W........P......L|          #        #                    |.........|  |
|  |.......P.............|          #  |------+--------------------|.........W|  |
|  |.O.....MP............|          #  |..........................P.....|  |
|  |....................................+##########+...........................P.....|  |
|  |....E................|          |....................................\.........G.|  |
|  |--------------------|          |------------------------------------|  |
|                                                                          |
|--------------------------------------------------------------------------|
Race: Shade Gold: 0 Level: 1
HP: 125
Atk: 25
Def: 25
Action:we
```

```
[ Picked Treasure: Small Gold ]
```

```
|--------------------------------------------------------------------------|
|                                                                          |
|  |-------------------------|    |-----------------------|                |
|  |..........H..............|    |P...............L.....P|                 |
|  |....G...........L...H.....+########+............L...........|-------|     |
|  |........................EG.|    #  |...........................P.....|--|  |
|  |......@....).G............|    #  |...........................|--|     |
|  |----------+-------------|    #  |----+---------------|.............|  |
|           #                      #############          |...G...O......|  |
|           #                      #  |-----+------|       |...............|  |
|           #                      #  |....H.......|       |...P...........|  |
|           ##################         .P.O....H...|    ######+..............G|  |
|           #                      #  |.....O....G.|    #  |...E...........|  |
|           #                      #  |-----+------|    #  |--------+------|  |
|  |---------+-----------|          #        #         #             #     |
|  |....L................|          #        #         #      |----+------|  |
|  |....G..G..........W.L|          ######################       |.........|  |
|  |.....W.......P.......|          #        #                    |.........|  |
|  |.O.....P.............|          #  |------+--------------------|.........W.|  |
|  |......M.P............|          #  |..........................P.....|  |
|  |....................................+##########+...........................P.....|  |
|  |...E.................|          |....................................\.........G..|  |
|  |--------------------|          |------------------------------------|  |
|                                                                          |
|--------------------------------------------------------------------------|
Race: Shade Gold: 1 Level: 1
HP: 125
Atk: 25
Def: 25
Action:
```

When a gold is picked successfully, it will not appear on the map any longer.

```
 |-----------------------------------------------------------------------|
 |                                                                       |
 |  |------------------------|        |-----------------------|          |
 |  |.........H..............|        |P..............L.....P|          |
 |  |...G............H...E....+########+..................L...........|-------|    |
 |  |...@............G.|   #   |.....................P.....|--|   |
 |  |............G..L.........|   #   |............................|--| |
 |  |----------+-------------|   #   |----+---------------|.................| |
 |         #              #############        |...G..........| |
 |         #              #   |-----+------|        |.....O........| |
 |         #              #   |...........|        |...P..........| |
 |  ###################        |.P....H....|   ######+.............G| |
 |         #              #   |.....OOH...G.|   #   |..E...........| |
 |         #              #   |----+------|   #   |--------+------| |
 |  |---------+----------|   #        #      #        #    |
 |  |...LW..........W....|   #        #      #        |----+------| |
 |  |....G..G............|   ########################        |...........| |
 |  |.............P......|   #        #        |...........| |
 |  |......MP..........L.|   #   |------+--------------------|.......W..| |
 |  |.O.....P...........|   #   |...............................P.........| |
 |  |.............................+##########+.............................P.........| |
 |  |....E...............|        |.........................\..........G..| |
 |  |--------------------|        |-------------------------------------| |
 |                                                                       |
 |-----------------------------------------------------------------------|
Race: Shade Gold: 1 Level: 1
HP: 125
Atk: 25
Def: 25
Action:no
```

[Picked Treasure: Normal Gold]

```
 |-----------------------------------------------------------------------|
 |                                                                       |
 |  |------------------------|        |-----------------------|          |
 |  |.........H..............|        |P..............L.....P|          |
 |  |....@..........H...E.....+########+......................|-------|    |
 |  |.....................G.|   #   |...........L............P.....|--|   |
 |  |.............G.L.........|   #   |............................|--| |
 |  |----------+-------------|   #   |----+---------------|.................| |
 |         #              #############        |...G..........| |
 |         #              #   |-----+------|        |.....O........| |
 |         #              #   |...........|        |...P..........| |
 |  ###################        |.P..O..H....|   ######+.............G| |
 |         #              #   |.....OH...G.|   #   |..E...........| |
 |         #              #   |-----+------|   #   |--------+------| |
 |  |---------+----------|   #        #      #        #    |
 |  |...L.W..........W...|   #        #      #        |----+------| |
 |  |....G..G............|   ########################        |...........| |
 |  |.............P......|   #        #        |...........| |
 |  |.O...M.P...........L|   #   |------+--------------------|.......W..| |
 |  |........P...........|   #   |...............................P.........| |
 |  |.............................+##########+.............................P.........| |
 |  |...E................|        |.........................\..........G..| |
 |  |--------------------|        |-------------------------------------| |
 |                                                                       |
 |-----------------------------------------------------------------------|
Race: Shade Gold: 3 Level: 1
HP: 125
Atk: 25
Def: 25
Action:
```

Dragon & Dragonhoard

```
PC regains 0 HP.
|----------------------------------------------------------------------|
|                                                                      |
|  |-----------------------|       |---------------------|            |
|  |.......................|       |....H................|            |
|  |...P..........M...G.......+########+....O..................|-------|  |
|  |.................D....L.|    #   |.............................|--|  |
|  |L..............P..........|    #   |.....G........................H....|--| |
|  |---------+--------------|    #   |----+---------------|......EP......|  |
|        #              #############       |...............| |
|        #              #   |-----+------|         |................| |
|        #              #   |..PW....P..E|         |............P......| |
|        ##################  |.....PG.E..G|   ######+...............| |
|        #              #   |..H.........|    #    |.\G............| |
|        #              #   |-----+------|    #    |--------+------| |
|  |---------+-----------|  #        #        #              #      |
|  |.........O...........|  #        #        #     |----+------| |
|  |G.......(.....D....)....|  #################### |......P....| |
|  |.D....(G...G@...).....| #       #          |......E...| |
|  |....................P.|  #   |------+-------------------|..........| |
|  |...................H|  #   |..L.......................G..| |
|  |...........OG.......+##########+......L.........M.............E.....| |
|  |..........P...........|       |....................O..................| |
|  |---------------------|       |------------------------------------| |
|                                                                      |
|----------------------------------------------------------------------|
Race: Troll Gold: 0 Level: 1
HP: 120
Atk: 25
Def: 15
Action:

[ D deals 18 damage to you ]
:
```

The dragon attacks player when the player is near the dragonhoard.

```
|----------------------------------------------------------------------|
|                                                                      |
|  |-----------------------|       |---------------------|            |
|  |.......................|       |...H.................|            |
|  |...P..........M...G....L..+########+....O..................|-------|  |
|  |L................D.......|    #   |.............................H|--|  |
|  |.............P..........|    #   |.....G........................E.....|--| |
|  |---------+--------------|    #   |----+---------------|........P.....|  |
|        #              #############       |................| |
|        #              #   |-----+------|         |................| |
|        #              #   |..P.....P..E|         |............P......| |
|        ##################  |...W.PGE...G|   ######+...............| |
|        #              #   |...H........|    #    |.\G............| |
|        #              #   |-----+------|    #    |--------+------| |
|  |---------+-----------|  #        #        #              #      |
|  |.........O...........|  #        #        #     |----+------| |
|  |G.......(..D...)....|  #################### |......P....| |
|  |.D....(G...G@...).....| #       #          |.........E.| |
|  |....................P.|  #   |------+-------------------|..........| |
|  |...........O........|  #   |.............................E..G..| |
|  |...........G.....H.+##########+..L...........O..M.................| |
|  |..........P...........|       |.......L.....................| |
|  |---------------------|       |------------------------------------| |
|                                                                      |
|----------------------------------------------------------------------|
Race: Troll Gold: 0 Level: 1
HP: 120
Atk: 25
Def: 15
Action:

[ D deals 18 damage to you ]
: we
You must slain its protector - The Great Dragon!
PC regains 5 HP.
```

We cannot pick the dragonhoard by walking on it when it is still protected by the dragon.

[Picked Treasure: Dragon Hoard]
PC regains 5 HP.

```
|-----------------------------------------------------------------------|
|                                                                       |
|  |---------------------------|     |-------------------------|        |
|  |......G......G............O|     |.........................|        |
|  |...............L...........+########+.......................|-------| |
|  |..G.........M...........P.|   #   |.......P.........HG...........|--| |
|  |...........................|   #   |....................H....H.........P.|--| |
|  |----------+----------------|   #   |----+----------------|...G...........| |
|          #                      #############   |...H...........| |
|          #                  #        |-----+------|       |...............| |
|          #                  #        |.\......LLLP|       |...............| |
|          ##################         |.........W.L|  ######+...............| |
|          #                  #        |.LG.......P.|   #   |...............| |
|          #                  #        |-----+------|   #   |--------+------| |
|  |---------+----------|      #           #       #          #         |
|  |...................@.|      #           #       #        |----+------| |
|  |.......D............|       ######################        |...........| |
|  |.......G...L.........|      #           #                |.G.........| |
|  |.................E....|     #   |------+-------------------|...........| |
|  |..........P....H....|       #   |......................P.P.........W...| |
|  |.................+##########+P.....................P..........M....| |
|  |..........L.G........|        |....L.....................................| |
|  |--------------------|         |-----------------------------------------| |
|                                                                       |
|-----------------------------------------------------------------------|
Race: Troll Gold: 6 Level: 1
HP: 72
Atk: 25
Def: 15
Action:█
```

We can pick the dragonhoard when its protector is dead.

Restart Game

```
|-------------------------------------------------------------------------------|
|                                                                               |
|  |---------------------------|     |------------------------|                 |
|  |...............M..M...W..|      |........................|                 |
|  |.H..E.............L.\....+#########+................G......|-------|         |
|  |.....O.....................H|    #    |..............................|--|   |
|  |.......L.............P..P..|     #    |......................G.............|--| |
|  |----------+---------------|      #    |----+---------------|.................| |
|            #                      #############          |.................| |
|            #                      #   |-----+------|       |.................| |
|            #                      #   |H.LP.....G..|       |.........P.....| |
|            ##################     #   |LE.G........|    ######+...............| |
|            #              #       #   |O.......GL..|    #    |...............| |
|            #              #       #   |-----+------|    #    |--------+------| |
|  |---------+-----------|   #         #           #       #          #          |
|  |................O....|   #         #           #       #    |----+------|    |
|  |....................|    #########################        |........O...|   |
|  |....................|    #            #                    |...........|   |
|  |....................|    #     |------+------------------|  |...........|   |
|  |..P.....L...........|    #     |...............G......P......G........|   |
|  |...............L...+###########+.......@.............................|   |
|  |....................|          |.....................................W.P........|   |
|  |--------------------|          |--------------------------------------|   |
|                                                                               |
|-------------------------------------------------------------------------------|
Race: Shade Gold: 4 Level: 1
HP: 115
Atk: 25
Def: 15
Action:r

[ Available Races: s(Shade), d(Drow), v(Vampire), g(Goblin), t(Troll) ]
Please choose a race to play (Press z for default race Shade):█
```

Admit Defeat and Quit

Use "q" to quit.

```
|-----------------------------------------------------------------------------|
|                                                                             |
|   |-------------------------|        |-------------------------|            |
|   |.................G........|       |....W.......L..........|            |
|   |.....P..................+########+........................|-------|       |
|   |......P..M.....L.........|    #    |.....................................|--|    |
|   |..........L..............|    #    |.......L...........GD....P..........|--| |
|   |----------+--------------|    #    |----+---------------|..................| |
|            #                  #############    |.P..............| |
|            #                  #    |-----+------|    |.........W......| |
|            #                  #    |.@.....P..O.|    |..P.............| |
|            ###################    |L......P..G.|    ######+.................| |
|            #                  #    |....P.......|    #    |..W.............| |
|            #                  #    |-----+------|    #    |--------+------| |
|   |---------+----------|       #          #          #              #        |
|   |...................|       #          #          #    |----+------|       |
|   |....P..............O|       ########################    |.........H.|       |
|   |................L.|       #          #          |.........|       |
|   |...................|       #    |------+-------------------|.........|       |
|   |...................|       #    |..........G.....................E....|       |
|   |E............W......+##########+.......P.....G........L...................| |
|   |................G...|          |......G.....G..L......G..H.\WG.......| |
|   |--------------------|          |-------------------------------------| |
|                                                                             |
|-----------------------------------------------------------------------------|
```

Race: Troll Gold: 0 Level: 1
HP: 120
Atk: 25
Def: 15
Action:

[L deals 14 damage to you]
: q
You Lose!

_

Stop Enemies from Moving

```
 |-------------------------------------------------------------------------|
 |                                                                         |
 |   |--------------------------|      |-----------------------|           |
 |   |.....G......G...........O.|      |.......................|           |
 |   |.................L.........+########+.......................|-------|  |
 |   |..G........M...........P.|    #    |.......P.........G............|--|  |
 |   |........................|    #    |....................HH...H.........P.|--| |
 |   |----------+-------------|    #    |----+---------------|...G..........| |
 |            #                 #############              |..............| |
 |            #                    #    |-----+------|      |...H..........| |
 |            #                    #    |.\.....L.L.P|      |..............| |
 |            ##################        |........LL.|   ######+..............| |
 |            #                    #    |.LG.....WP.|   #   |..............| |
 |            #                    #    |-----+------|   #   |--------+------| |
 |   |---------+----------|       #        #       #          #        |
 |   |....................G.|       #        #       #       |----+------| |
 |   |.......D..L.......D.|       ########################       |..........| |
 |   |.......G...........|       #           #          |.G........| |
 |   |............E....|       #    |-------+-------------------|.......W...| |
 |   |..........P.......|       #    |.........................P.P............| |
 |   |...............H....+##########+P...L................P...............| |
 |   |.........L.G......@.|       |.............................M.....| |
 |   |--------------------|       |---------------------------------------| |
 |                                                                         |
 |-------------------------------------------------------------------------|
Race: Troll Gold: 0 Level: 1
HP: 59
Atk: 25
Def: 15
Action:f
PC regains 5 HP.
```

```
 |-------------------------------------------------------------------------|
 |                                                                         |
 |   |--------------------------|      |-----------------------|           |
 |   |.....G......G...........O.|      |.......................|           |
 |   |.................L.........+########+.......................|-------|  |
 |   |..G........M...........P.|    #    |.......P.........G............|--|  |
 |   |........................|    #    |....................HH...H.........P.|--| |
 |   |----------+-------------|    #    |----+---------------|...G..........| |
 |            #                 #############              |..............| |
 |            #                    #    |-----+------|      |...H..........| |
 |            #                    #    |.\.....L.L.P|      |..............| |
 |            ##################        |........LL.|   ######+..............| |
 |            #                    #    |.LG.....WP.|   #   |..............| |
 |            #                    #    |-----+------|   #   |--------+------| |
 |   |---------+----------|       #        #       #          #        |
 |   |....................G.|       #        #       #       |----+------| |
 |   |.......D..L.......D.|       ########################       |..........| |
 |   |.......G...........|       #           #          |.G........| |
 |   |............E....|       #    |-------+-------------------|.......W...| |
 |   |..........P.......|       #    |.........................P.P............| |
 |   |...............H....+##########+P...L................P...............| |
 |   |.........L.G......@.|       |.............................M.....| |
 |   |--------------------|       |---------------------------------------| |
 |                                                                         |
 |-------------------------------------------------------------------------|
Race: Troll Gold: 0 Level: 1
HP: 64
Atk: 25
Def: 15
Action:no
PC regains 5 HP.
```

```
 ------------------------------------------------------------------------
|                                                                        |
|  |--------------------------|     |----------------------|            |
|  |.....G......G...........O.|     |......................|            |
|  |..............L..........+########+......................|-------|  |
|  |..G........M.............P.|    #   |.......P..........G.............|--|  |
|  |..........................|    #   |....................HH...H.........P.|--|  |
|  |----------+---------------|    #   |----+---------------|...G..........|  |
|           #                 ##############              |...............|  |
|           #                 #   |-----+------|          |...H...........|  |
|           #                 #   |.\.....L.L.P|          |...............|  |
|           ##################    |.........LL.|   ######+................|  |
|           #                 #   |.LG......WP.|   #      |...............|  |
|           #                 #   |-----+------|   #      |--------+------|  |
|  |---------+----------|      #         #         #              #         |
|  |..................G.|      #         #         #      |----+------|      |
|  |........D..L.......D.|     #######################    |............|     |
|  |.......G.............|     #         #               |.G..........|     |
|  |.............E....|        #   |------+------------------|.......W...|  |
|  |..........P.......@.|       #   |..........................P.P...........|  |
|  |...............H....+##########+P...L.................P.............|  |
|  |..........L.G........|        |...................................M.....|  |
|  |-------------------|          |------------------------------------|  |
|                                                                        |
 ------------------------------------------------------------------------
Race: Troll Gold: 0 Level: 1
HP: 74
Atk: 25
Def: 15
Action:f
PC regains 5 HP.
```

```
 ------------------------------------------------------------------------
|                                                                        |
|  |--------------------------|     |----------------------|            |
|  |.....G......G...........O.|     |......................|            |
|  |..............L..........+########+......................|-------|  |
|  |..G........M.............P.|    #   |.......P..........G.............|--|  |
|  |..........................|    #   |....................HH...H.........P.|--|  |
|  |----------+---------------|    #   |----+---------------|...G..........|  |
|           #                 ##############              |...............|  |
|           #                 #   |-----+------|          |...H...........|  |
|           #                 #   |.\.....L.L.P|          |...............|  |
|           ##################    |.........LL.|   ######+................|  |
|           #                 #   |.LG......WP.|   #      |...............|  |
|           #                 #   |-----+------|   #      |--------+------|  |
|  |---------+----------|      #         #         #              #         |
|  |..................G.|      #         #         #      |----+------|      |
|  |........D..L.......D.|     #######################    |............|     |
|  |.......G.............|     #         #               |.G..........|     |
|  |.............E....|        #   |------+------------------|.......W...|  |
|  |..........P.......@.|       #   |..........................P.P...........|  |
|  |...............H....+##########+P...L.................P.............|  |
|  |..........L.G........|        |...................................M.....|  |
|  |-------------------|          |------------------------------------|  |
|                                                                        |
 ------------------------------------------------------------------------
Race: Troll Gold: 0 Level: 1
HP: 79
Atk: 25
Def: 15
Action:no
PC regains 5 HP.
```

35

```
Action:no
PC regains 5 HP.
|------------------------------------------------------------------|
|                                                                  |
|  |--------------------------|        |----------------------|     |
|  |.....G......G...........O|         |......................|     |
|  |..............L..........+########+...................|-------|  |
|  |..G........M...........P.|   #    |......P........HG............|--|  |
|  |.........................|   #    |...................H...H.......P.|--| |
|  |----------+--------------|   #    |----+---------------|...G..........| |
|            #                  #############  |...H...........| |
|            #                  #    |-----+------|  |..............| |
|            #                  #    |.\......LLLP|  |..............| |
|            ###################    |.........W.L|  ######+.............| |
|            #                  #    |.LG......P.|  #   |..............| |
|            #                  #    |-----+------|  #   |--------+------| |
|  |---------+-----------|     #        #        #               # |
|  |..................G.|     #        #        #    |----+------|  |
|  |.......D.........D.|     #####################  |...........|  |
|  |......G...L.........|     #        #            |.G.........|  |
|  |.............E...@.|     #    |------+--------------------|...........|  |
|  |.........P...H....|     #    |.......................P.P.........W...|  |
|  |.................+##########+P...................P............M.....|  |
|  |.........L.G.......|        |....L.................................|  |
|  |--------------------|        |------------------------------------|  |
|                                                                  |
|------------------------------------------------------------------|
Race: Troll Gold: 0 Level: 1
HP: 84
Atk: 25
Def: 15
Action:█
```

Win the Game

```
  |-------------------------------------------------------------------------|
  |                                                                         |
  |   |---------------------------|         |-----------------------|       |
  |   |.............P.............|         |.......................|       |
  |   |O.G..............G........+#########+.........E.............|-------|  |
  |   |....H.....G...P............|    #      |.............................P.....|--|  |
  |   |.........D.................|    #      |...............................L..........|--|  |
  |   |----------+---------------|    #      |----+---------------|.................|  |
  |          #                 #############          |...L.........P..|  |
  |          #                 #      |-----+------|          |...............|  |
  |          #                 #      |....@\..H.M.|          |.........E.....|  |
  |          ##################      |....W.......|      ######+.........G...G|  |
  |          #                 #      |L...........|    #      |..M......D....|  |
  |          #                 #      |-----+------|    #      |--------+------|  |
  |   |---------+-----------|   #          #        #            #       |
  |   |...................|   #          #        #      |----+------|  |
  |   |.........P......EM..|   #######################      |...........|  |
  |   |...................P|   #          #            |....P......|  |
  |   |...................|   #      |------+-------------------|...P..H....|  |
  |   |L..................|   #      |....H....E.........G....................|  |
  |   |...................+##########+......G.....................G..........|  |
  |   |........G.....H......|        |....G...........................P..W.|  |
  |   |--------------------|        |-----------------------------------|  |
  |                                                                         |
  |-------------------------------------------------------------------------|
Race: Troll Gold: 1 Level: 5
HP: 119
Atk: 20
Def: 15
Action: W missed.
:  ea
PC regains 1 HP.You win !!!
Your score is :100
```

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Bonus

Players can choose easy mode, in which they are teleported to the fifth floor directly.

```
Please choose difficulty: e(Easy), n(Normal by default)
e
Dr.Secret teleports you to the fifth floor!

[ Available Races: s(Shade), d(Drow), v(Vampire), g(Goblin), t(Troll) ]
Please choose a race to play (Press z for default race Shade):t


 |-----------------------------------------------------------------------|
 |                                                                       |
 | |------------------------|          |---------------------|           |
 | |...............@........|          |........W............|           |
 | |................+#########+.........................|-------|        |
 | |..G....O.....H..........G|    #     |.........................P.....|--|   |
 | |........WG.P...........GL.|   #     |...............H.................|--| |
 | |---------+--------------|     #     |----+---------------|.................| |
 |         #                 #############           |..W............| |
 |         #                 #    |-----+------|      |...............| |
 |         #                 #    |..P.PGD.HG.G|      |..P............| |
 |         ###################    |.....L.H....|  ######+..L............| |
 |         #                 #    |.........W..|    #  |...............| |
 |         #                 #    |-----+------|    #  |--------+------| |
 | |---------+-----------|    #          #          #          #        |
 | |....................|     #          #          #   |----+------|   |
 | |.O.........L.........|    ########################  |...P.G.....|   |
 | |....................|     #          #             |...........|   |
 | |G...................|     #    |------+-------------------|...OL...M..| |
 | |....P...............|     #    |.......................H...............| |
 | |...P..........H......+##########+...............................| |
 | |.P........G.\........|        |....M.............................P...| |
 | |--------------------|          |------------------------------------| |
 |                                                                       |
 |-----------------------------------------------------------------------|
Race: Troll Gold: 0 Level: 5
HP: 120
Atk: 25
```

38
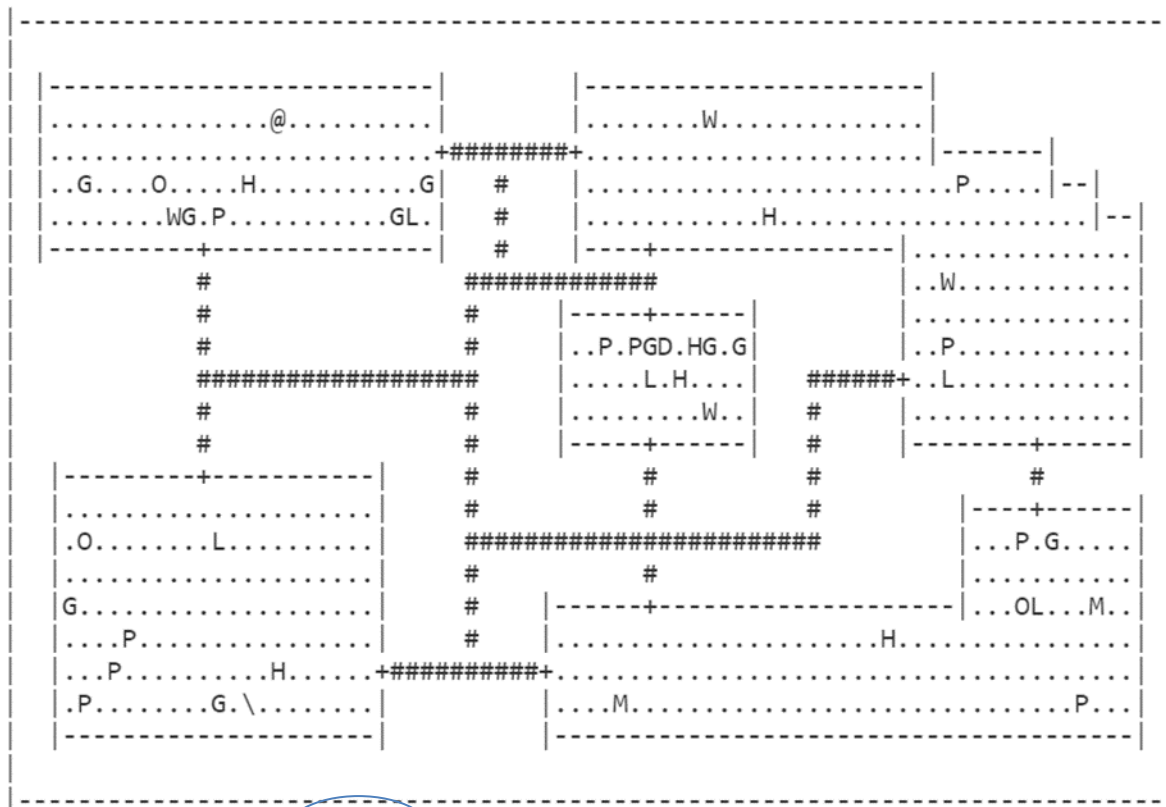
DLC Part

Run the game by "./cc3k dlc" to import the DLC.

```
y4chong@ubuntu2004-008:~/cs246/f21/project/version10$ ./cc3k dlc
You won a DLC!
Be careful of Dr.X, you are on the list of assassination.
Please choose difficulty: e(Easy), n(Normal by default)
e
Dr.Secret teleports you to the fifth floor!

[ Available Races: s(Shade), d(Drow), v(Vampire), g(Goblin), t(Troll) ]
Please choose a race to play (Press z for default race Shade):t
      |------------------------------------------------------------------|
      |                                                                  |
      | |-----------------------|        |----------------------|        |
      | |.....P....G.............|        |......L....L...........|        |
      | |........L.....M....\.....+########+...................|-------|   |
      | |........................|   #    |..................L...................|--|  |
      | |.........P..............|   #    |..........G..M.......G............|--| |
      | |----------+-------------|   #    |----+----------------|..........P...| |
      |         #             ############# |..............| |
      |         #                 #     |-----+------| |..............| |
      |         #                 #     |......P......|  |..............| |
      |         ################### |H.GX.EG...|..|  ######+...............| |
      |         #                 #     |..P........G.|  #   |.G.............| |
      |         #                 #     |----+------|   #   |--------+------| |
      | |---------+----------|   #        #        #        #       |
      | |.....M..........H....|   #        #        #       |---+------| |
      | |....................|   ####################### |...........| |
      | |.....P..............|   #        #             |..P......G.| |
      | |..P.L.............E..L|   #   |------+-------------------|.........H| |
      | |..........M...E....|    #   |........@.........P..............G...| |
      | |..........E.......+##########+....P............................E...| |
      | |.........H.........|        |.........L........G....................| |
      | |--------------------|        |------------------------------------| |
      |                                                                  |
      |------------------------------------------------------------------|
Race: Troll Gold: 0 Level: 5
HP: 120
Atk: 25
Def: 15
Action:we
PC regains 0 HP.
       |------------------------------------------------------------------|
       |                                                                  |
       | |-----------------------|        |----------------------|        |
       | |.....P....G.............|        |.....L......L..........|        |
       | |.......L.......M...\.....+########+.......................|-------|   |
       | |........................|   #    |..................L...................|--|  |
       | |.........P..............|   #    |..........G..M.......G............|--| |
       | |----------+-------------|   #    |----+----------------|..........P...| |
       |         #             ############# |..............| |
       |         #                 #     |-----+------| |..............| |
       |         #                 #     |......P......|  |..............| |
       |         ################### |H.G...G.....|  ######+...............| |
       |         #                 #     |..P..E....G.|  #   |.G.............| |
       |         #                 #     |-----+------|   #   |--------+------| |
       | |---------+----------|   #        #        #        #       |
       | |...............H...|   #        #        #       |---+------| |
       | |.....M..............|   ####################### |...........| |
       | |.....P..............|   #        #             |..P......G.| |
       | |..PL........M.....EL.|   #   |-----+---------------------|.........H.| |
       | |....................|   #   |.....,...@..........P..............G...| |
       | |............E...E....+##########+....P.......X....................E..| |
       | |.........H.........|        |...........L........G....................| |
       | |--------------------|        |------------------------------------| |
       |                                                                  |
       |------------------------------------------------------------------|
Race: Troll Gold: 0 Level: 5
HP: 120
Atk: 25
Def: 15
Action:You are assassinated by Dr.X!
You Lose!
Do you want to play again?(press r for replay) :^C
```