C64 Boulder Dash Decoded Cave Data

- Cave A B C D Intermission 1
- Cave E F G H Intermission 2
- Cave I J K L Intermission 3
- Cave M N O P Intermission 4

Decoded cave data in human-readable text, including ascii representation. Warning: There may be mistakes in the decode. The C source code to generate the following decodes are available in the files decodecaves.c and cavedata.h). Note that when decoding the cave, the random objects are placed first, then a bounding rectangle of steel wall is put in (effectively an implicit DrawRect(0,2,40,22) before the cave data), then the cave data is decoded. For each cave, a graphical representation is given for difficulty level 1. The characters used in the graphical representation are the ones used by a implementation of BoulderDash on the Amiga.

Cave 1 (Cave A: Intro)

Pick up jewels and exit before time is up

```
01
                Cave 01
14
                Magic wall/amoeba slow growth for: 20 seconds
0A
                Diamonds worth: 10 points
ΟF
                Extra diamonds worth: 15 points
0A 0B 0C 0D 0E
                Randomiser seed values for difficulty levels 1-5
0C 0C 0C 0C 0C
                Diamonds needed: 12, 12, 12, 12, 12 (for difficulty
levels 1-5)
96 6E 46 28 1E
                Cave time: 150, 110, 70, 40, 30 seconds
                Background color 1: Orange
08
0B
                Background color 2: Gray 1
09
                Foreground color: Brown
D4 20
                Unused
00 10 14 00
                Random objects:
3C 32 09 00
                   zSpace : 60/256 = 23%
                   zBouS : 50/256 = 19%
                   zDiaS : 9/256 = 3%
                   fourth code unused (0%)
Cave layout:
                Line of zBrick from (1, 9); length = 30; direction =
42 01 09 1E 02
right
42 09 10 1E 02
                Line of zBrick from (9,16); length = 30; direction =
right
25 03 04
                StoreChar zPRFd1 at (3, 4)
04 26 12
                StoreChar zPreOut at (38,18)
FF
                End of cave data.
006 Wr.rr....r..r..r..r..w
007 Wr. r..... r..r..r..r..w
008 W... ..r...r. r....r. r....r. w
009 Wwwwwwwwwwwwwwwwwwwwwwwwww..r..r..W
```

Cave 2 (Cave B: Rooms)

Pick up jewels, but you must move boulders to get all jewels

```
02
                    Cave 02
14
                    Magic wall/amoeba slow growth for: 20 seconds
14
                    Diamonds worth: 20 points
32
                    Extra diamonds worth: 50 points
                    Randomiser seed values for difficulty levels 1-5
03 00 01 57 58
0A 0C 09 0D 0A
                    Diamonds needed: 10, 12, 9, 13, 10 (for difficulty
levels 1-5)
96 6E 46 46 46
                    Cave time: 150, 110, 70, 70, 70 seconds
0A
                    Background color 1: Light red
04
                    Background color 2: Purple
09
                    Foreground color: Brown
00 00
                    Unused
00 10 14 08
                    Random objects:
3C 32 09 02
                        zSpace: 60/256 = 23%
                        zBouS :
                                  50/256 = 19%
                        zDiaS :
                                   9/256 = 3%
                        zFFly1 :
                                   2/256 = 0%
Cave layout:
42 01 08 26 02
                    Line of zBrick from (1, 8); length = 38; direction =
right
42 01 OF 26 02
                    Line of zBrick from (1,15); length = 38; direction =
right
42 08 03 14 04
                    Line of zBrick from (8, 3); length = 20; direction =
down
42 10 03 14 04
                    Line of zBrick from (16, 3); length = 20; direction =
down
                    Line of zBrick from (24, 3); length = 20; direction =
42 18 03 14 04
down
42 20 03 14 04
                    Line of zBrick from (32, 3); length = 20; direction =
down
40 01 05 26 02
                    Line of zSpace from (1, 5); length = 38; direction =
right
                    Line of zSpace from (1,11); length = 38; direction =
40 01 0B 26 02
right
                    Line of zSpace from (1,18); length = 38; direction =
40 01 12 26 02
right
                    Line of zSpace from (20, 3); length = 20; direction =
40 14 03 14 04
down
25 12 15
                    StoreChar zPRFd1 at (18,21)
04 12 16
                    StoreChar zPreOut at (18,22)
FF
                    End of cave data.
```

```
Map #2
002 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
003 W.r..r..w.r...d.w... r.wr....w..rr..W
004 W.....w....rwrr. ...w ..d...w...r.W
005 W
006 Wd.....w.r...rw.r. .. w..r..d.w..r.r.W
007 W.....w.r...rw.r. r..w...r.w... ..W
009 W....rr.w..r...w... ..rw....r..w...rW
010 W.....w....w....r. w....rw
011 W
012 Wr..r..w..r..w..r ...w...dwr.....W
013 Wr....r.w..r..r.w... rw.....wr...r.W
014 W.r....w...r...w... rw.....w r..r.W
016 Wr. q..w...r.rw... ...w.rd..r.w.....W
017 W....r.wr....w..d ...w ..r...w.r.rr.W
018 W
019 Wd.. .r.wr...r.w.r. ..rw.r.r...w.....W
020 W....r.wr..d...w... r..w..r...w...rr W
021 W.d... rw..r...w.Xd r..w. ....w...rr W
022 W.r... w.. ..r.w.P. ...w...r.rw... ... .W
023 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
```

Cave 3 (Cave C: Maze)

```
Pick up jewels. You must get every jewel to exit
```

```
Cave 03
00
                   Magic wall/amoeba slow growth for: 0 seconds
0F
                   Diamonds worth: 15 points
0.0
                   Extra diamonds worth: 0 points
00 32 36 34 37
                   Randomiser seed values for difficulty levels 1-5
18 17 18 17 15
                   Diamonds needed: 24, 23, 24, 23, 21 (for difficulty
levels 1-5)
96 64 5A 50 46
                   Cave time: 150, 100, 90, 80, 70 seconds
09
                   Background color 1: Brown
08
                   Background color 2: Orange
09
                   Foreground color: Brown
04 00
                   Unused
02 10 14 00
                   Random objects:
64 32 09 00
                       zBrick : 100/256 = 39%
                       zBouS : 50/256 = 19%
                       zDiaS : 9/256 = 3%
                       fourth code unused (0%)
Cave layout:
25 03 04
                   StoreChar zPRFd1 at (3, 4)
04 27 14
                   StoreChar zPreOut at (39,20)
FF
                   End of cave data.
Map #3
002 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
003 Wr.ww.wrr.w...rwr..r...w...rw.d.W
004 W..Xw.d.r.w...www..w.r...r.r.r.w.wrW
005 W....w.rd.r...w...r.wwr....w.wwW
006 Wd.w..wrwr..r...w...r.r.rr....wW
007 Wr.w...www.r.wwd....r.rr....wW
008 Wrr..r...w...r.r.rr.rr....r..dww..W
009 W..r.ww..r.rr...w...r.rr...w..rw.rW
010 W..w...d.....d.r..wwr..r.w.wr..wr..d.rW
011 Wr.r...w.ww..d.r..wwr..r..d.w...w..r.wW
```

```
012 W.r.ww...rrwr.d.w.wr.wr.wr.d.r.W
013 Ww.ww...rrwr.r.w.ww...w.r.ww.r.wwW
014 W.w.r.r.w..wwr.r...w..r.r.rr...w...W
015 W.w.r.r.w.d.w.wr.wr...r.rrr...w...W
016 Ww..wrwr.r...w..d..w.rw....w.ww.dW
017 Ww...wwr.w.d..wr.r.r.r.wr...w..W
018 Ww.d...r.ww..r.wwr...r.wr...w..W
019 W.r...w..r.wwr...r.rr.ww...w.W
020 Wr.ww.r.ww...w...r.rr...w..r.wr...wW
021 Ww...r.ww...w...r.rr...w..rd.r.W
022 Wrr..w...rrd....r.ww..wr..d.w.W
```

Cave 4 (Cave D: Butterflies)

Drop boulders on butterflies to create jewels

```
0.4
                Cave 04
                Magic wall/amoeba slow growth for: 20 seconds
14
0.5
                Diamonds worth: 5 points
14
                Extra diamonds worth: 20 points
00 6E 70 73 77
                Randomiser seed values for difficulty levels 1-5
24 24 24 24 24
                Diamonds needed: 36, 36, 36, 36 (for difficulty
levels 1-5)
78 64 50 3C 32
                Cave time: 120, 100, 80, 60, 50 seconds
04
                Background color 1: Purple
08
                Background color 2: Orange
09
                Foreground color: Brown
00 00
                Unused
10 00 00 00
                Random objects:
14 00 00 00
                   zBouS : 20/256 = 7%
                   second code unused (0%)
                   third code unused (0%)
                   fourth code unused (0%)
Cave layout:
25 01 03
                StoreChar zPRFd1 at (1, 3)
04 26 16
                StoreChar zPreOut at (38,22)
81 08 0A 04 04 00
                FilledRect of zDirt from (8,10); length = 4; height =
4; fill = zSpace
30 OA OB
                StoreChar zBFly1 at (10,11)
81 10 0A 04 04 00
                FilledRect of zDirt from (16,10); length = 4; height =
4; fill = zSpace
                StoreChar zBFly1 at (18,11)
30 12 0B
81 18 0A 04 04 00
                FilledRect of zDirt from (24,10); length = 4; height =
4; fill = zSpace
                StoreChar zBFly1 at (26,11)
30 1A 0B
81 20 0A 04 04 00
                FilledRect of zDirt from (32,10); length = 4; height =
4; fill = zSpace
30 22 0B
                StoreChar zBFly1 at (34,11)
FF
                End of cave data.
Map #4
003 WX....r.W
004 W.....W
006 Wr......W
009 W..r....rw
010 W....r..r..w
```

```
      011
      W.
      B.
      r.
      W.
      W.
      r.
      W.
      <t
```

Cave 5 (Cave E: Guards)

The jewels are there for grapping, but they are guarded by the deadly fireflies

```
Cave 05
14
                    Magic wall/amoeba slow growth for: 20 seconds
32
                    Diamonds worth: 50 points
5A
                    Extra diamonds worth: 90 points
00 00 00 00 00
                    Randomiser seed values for difficulty levels 1-5
04 05 06 07 08
                    Diamonds needed: 4, 5, 6, 7, 8 (for difficulty levels
1-5)
                    Cave time: 150, 120, 90, 60, 30 seconds
96 78 5A 3C 1E
09
                    Background color 1: Brown
0A
                    Background color 2: Light red
09
                    Foreground color: Brown
00 00
                    Unused
00 00 00 00
                    Random objects:
00 00 00 00
                        first code unused (0%)
                        second code unused (0%)
                        third code unused (0%)
                        fourth code unused (0%)
Cave layout:
25 01 03
                    StoreChar zPRFd1 at (1, 3)
04 27 16
                    StoreChar zPreOut at (39,22)
80 08 0A 03 03 00
                    FilledRect of zSpace from (8,10); length = 3; height =
3; fill = zSpace
80 10 0A 03 03 00
                    FilledRect of zSpace from (16,10); length = 3; height =
3; fill = zSpace
80 18 0A 03 03 00
                    FilledRect of zSpace from (24,10); length = 3; height =
3; fill = zSpace
80 20 0A 03 03 00
                    FilledRect of zSpace from (32,10); length = 3; height =
3; fill = zSpace
14 09 0C
                    StoreChar zDiaS at (9,12)
08 0A 0A
                    StoreChar zFFly1 at (10,10)
14 11 0C
                    StoreChar zDiaS at (17,12)
08 12 0A
                    StoreChar zFFly1 at (18,10)
14 19 0C
                    StoreChar zDiaS at (25,12)
08 1A 0A
                    StoreChar zFFly1 at (26,10)
14 21 0C
                    StoreChar zDiaS at (33,12)
08 22 0A
                    StoreChar zFFly1 at (34,10)
                    FilledRect of zSpace from ( 8,16); length = 3; height =
80 08 10 03 03 00
3; fill = zSpace
80 10 10 03 03 00
                    FilledRect of zSpace from (16,16); length = 3; height =
3; fill = zSpace
80 18 10 03 03 00
                    FilledRect of zSpace from (24,16); length = 3; height =
3; fill = zSpace
80 20 10 03 03 00
                    FilledRect of zSpace from (32,16); length = 3; height =
```

```
3; fill = zSpace
14 09 12
        StoreChar zDiaS at (9,18)
08 0A 10
        StoreChar zFFly1 at (10,16)
14 11 12
        StoreChar zDiaS at (17,18)
08 12 10
        StoreChar zFFly1 at (18,16)
14 19 12
        StoreChar zDiaS at (25,18)
08 1A 10
        StoreChar zFFly1 at (26,16)
14 21 12
        StoreChar zDiaS at (33,18)
08 22 10
        StoreChar zFFly1 at (34,16)
FF
        End of cave data.
Map #5
003 WX.....W
010 W..... q.... q.... q.... q....
011 W..... ....
         .....
012 W..... d .... d .... d .... d .... W
014 W.....W
016 W..... q.... q.... q.... q....
017 W..... .... ..... W
018 W..... d .... d .... d .... d .... W
```

Cave 6 (Cave F: Firefly dens)

Each firefly is guarding a jewel

```
14
                    Magic wall/amoeba slow growth for: 20 seconds
28
                    Diamonds worth: 40 points
                    Extra diamonds worth: 60 points
3C
00 14 15 16 17
                    Randomiser seed values for difficulty levels 1-5
04 06 07 08 08
                    Diamonds needed: 4, 6, 7, 8, 8 (for difficulty levels
1 - 5)
96 78 64 5A 50
                    Cave time: 150, 120, 100, 90, 80 seconds
ΟE
                    Background color 1: Light blue
0A
                    Background color 2: Light red
09
                    Foreground color: Brown
00 00
                    Unused
10 00 00 00
                    Random objects:
32 00 00 00
                        zBouS : 50/256 = 19%
                        second code unused (0%)
                        third code unused (0%)
                        fourth code unused (0%)
Cave layout:
                    FilledRect of zBrick from ( 1, 3); length = 10; height
82 01 03 0A 04 00
= 4; fill = zSpace
82 01 06 0A 04 00
                    FilledRect of zBrick from (1, 6); length = 10; height
= 4; fill = zSpace
```

```
82 01 09 0A 04 00
               FilledRect of zBrick from (1, 9); length = 10; height
= 4; fill = zSpace
82 01 0C 0A 04 00
               FilledRect of zBrick from (1,12); length = 10; height
= 4; fill = zSpace
               Line of zDirt from (10, 3); length = 13; direction =
41 0A 03 0D 04
down
14 03 05
               StoreChar zDiaS at (3, 5)
08 04 05
               StoreChar zFFly1 at (4, 5)
14 03 08
               StoreChar zDiaS at (3, 8)
               StoreChar zFFly1 at (4,8)
08 04 08
              StoreChar zDiaS at (3,11)
14 03 0B
08 04 0B
               StoreChar zFFly1 at ( 4,11)
14 03 0E
               StoreChar zDiaS at (3,14)
08 04 0E
               StoreChar zFFly1 at (4,14)
82 1D 03 0A 04 00
               FilledRect of zBrick from (29, 3); length = 10; height
= 4; fill = zSpace
               FilledRect of zBrick from (29, 6); length = 10; height
82 1D 06 0A 04 00
= 4; fill = zSpace
82 1D 09 0A 04 00
               FilledRect of zBrick from (29, 9); length = 10; height
= 4; fill = zSpace
82 1D 0C 0A 04 00
               FilledRect of zBrick from (29,12); length = 10; height
= 4; fill = zSpace
41 1D 03 0D 04
              Line of zDirt from (29, 3); length = 13; direction =
down
14 24 05
              StoreChar zDiaS at (36, 5)
08 23 05
              StoreChar zFFly1 at (35, 5)
14 24 08
              StoreChar zDiaS at (36, 8)
08 23 08
              StoreChar zFFly1 at (35, 8)
14 24 0B
              StoreChar zDiaS at (36,11)
08 23 0B
              StoreChar zFFly1 at (35,11)
14 24 OE
              StoreChar zDiaS at (36,14)
08 23 OE
              StoreChar zFFly1 at (35,14)
25 03 14
              StoreChar zPRFd1 at (3,20)
04 26 14
              StoreChar zPreOut at (38,20)
FF
              End of cave data.
Map #6
004 W ....r...r...r...r...
005 W dq
         ..r....r...r... qd W
007 W
         ....r.r.r..r.
008 W dq
         ....r...r.r.r.
                            qd W
010 W
         ....r.r...r..r..r..
011 W dq
         ....r.r...r..r..r..
.rr.r..r.....
014 W dq
                            qd W
        ....r..r...r...
015 Wwwwwwwwww....r..r..r..wwwwwwwwW
016 W....r.r.r.r...r.m
017 W.....w
018 W..r...r...r...r...w
020 Wr.X...r...r.rr.rr...r.PW
```

Cave 7 (Cave G: Amoeba)

Surround the amoeba with boulders, so it can't grow anymore. Pick up jewels that are created when it suffocates

```
07
                Cave 07
4B
                Magic wall/amoeba slow growth for: 75 seconds
                Diamonds worth: 10 points
0A
14
                Extra diamonds worth: 20 points
02 07 08 0A 09
                Randomiser seed values for difficulty levels 1-5
                Diamonds needed: 15, 20, 25, 25, 25 (for difficulty
OF 14 19 19 19
levels 1-5)
78 78 78 78 78
                Cave time: 120, 120, 120, 120, 120 seconds
09
                Background color 1: Brown
0A
                Background color 2: Light red
0 D
                Foreground color: Light green
00 00
                Unused
00 10 08 00
                Random objects:
                   zSpace : 100/256 = 39%
64 28 02 00
                   zBouS: 40/256 = 15%
                   zFFly1 :
                            2/256 = 0%
                    fourth code unused (0%)
Cave layout:
42 01 07 0C 02
                Line of zBrick from (1, 7); length = 12; direction =
right
42 1C 05 0B 02
                Line of zBrick from (28, 5); length = 11; direction =
right
7A 13 15 02 02
                Line of zAmoe from (19,21); length = 2; direction =
right
14 04 06
                StoreChar zDiaS at (4, 6)
14 04 OE
                StoreChar zDiaS at (4,14)
14 04 16
               StoreChar zDiaS at (4,22)
14 22 04
               StoreChar zDiaS at (34, 4)
14 22 OC
               StoreChar zDiaS at (34,12)
14 22 16
               StoreChar zDiaS at (34,22)
25 14 03
                StoreChar zPRFd1 at (20, 3)
04 27 07
                StoreChar zPreOut at (39, 7)
FF
                End of cave data.
Map #7
002 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
003 W. .. .rr.... .r. X.... rr r..r. . .W
004 W ..r. .. . ... r.r. ... r..r.d.. .W
005 Wr.... .q. ... .r.r. ... wwwwwwwwwW
006 W.r.d... . ..... ..rr..r... . . . . . W
008 Wr. r..... ..r. ..r. q.....W
010 W....r. ..r. ..r. ..r. ...
011 W... .r. r... ...q....r.r. r..r.W
012 W .. r.... d.. .W
014 W.. d..r.r.... . .....r r..r. . ....W
015 W.r. ..r. ... r.r. ... w
016 W.... r. r.r. r. r. r. . w
017 W. .... rr.r... rW
018 W..... rr. r.. r.. r... r... r...w
021 W. ..r. ... .aa. ... ...r.rr...W
```

Cave 8 (Cave H: Enchanted wall)

```
Activate the enchanted wall and create as many jewels as you can
0.8
                    Cave 08
                    Magic wall/amoeba slow growth for: 20 seconds
14
0 A
                    Diamonds worth: 10 points
14
                    Extra diamonds worth: 20 points
01 03 04 05 06
                    Randomiser seed values for difficulty levels 1-5
OA OF 14 14 14
                    Diamonds needed: 10, 15, 20, 20, 20 (for difficulty
levels 1-5)
78 6E 64 5A 50
                    Cave time: 120, 110, 100, 90, 80 seconds
                    Background color 1: Red
02
OΕ
                    Background color 2: Light blue
09
                    Foreground color: Brown
00 00
                    Unused
00 10 08 00
                    Random objects:
                        zSpace : 90/256 = 35%
5A 32 02 00
                        zBouS : 50/256 = 19%
                        zFFly1 :
                                   2/256 = 0%
                        fourth code unused (0%)
Cave layout:
14 04 06
                    StoreChar zDiaS at ( 4, 6)
14 22 04
                    StoreChar zDiaS at (34, 4)
14 22 OC
                    StoreChar zDiaS at (34,12)
04 00 05
                    StoreChar zPreOut at (0, 5)
25 14 03
                    StoreChar zPRFd1 at (20, 3)
42 01 07 0C 02
                    Line of zBrick from (1, 7); length = 12; direction =
right
42 01 OF OC 02
                    Line of zBrick from (1,15); length = 12; direction =
right
42 1C 05 0B 02
                    Line of zBrick from (28, 5); length = 11; direction =
right
42 1C 0D 0B 02
                    Line of zBrick from (28,13); length = 11; direction =
right
43 OE 11 O8 O2
                    Line of zMagic from (14,17); length = 8; direction =
right
14 OC 10
                    StoreChar zDiaS at (12,16)
00 OE 12
                    StoreChar zSpace at (14,18)
                    StoreChar zDiaS at (19,18)
14 13 12
41 OE OF 08 02
                    Line of zDirt from (14,15); length = 8; direction =
right
FF
                    End of cave data.
Map #8
```

```
015 Wwwwwwwwwwr....r.r.rr..W
016 W.r...d.r.rrr.....rrr..W
017 W...r.r.mmmmmmmm...r.r..W
018 Wr.r...rrr.d...rrr..W
019 W...r.rrr.r.d...rrr.r.r.w
020 W.r.q.r...rrr.r.rrr.r.r.rw
021 Wr...r.rrr.r.r.r...rw
```

Cave 9 (Cave I: Greed)

You have to get a lot of jewels here, lucky there are so many

```
Cave 09
14
                    Magic wall/amoeba slow growth for: 20 seconds
                    Diamonds worth: 5 points
05
                    Extra diamonds worth: 10 points
64 89 8C FB 33
                    Randomiser seed values for difficulty levels 1-5
4B 4B 50 55 5A
                    Diamonds needed: 75, 75, 80, 85, 90 (for difficulty
levels 1-5)
                   Cave time: 150, 150, 130, 130, 120 seconds
96 96 82 82 78
08
                    Background color 1: Orange
04
                    Background color 2: Purple
09
                    Foreground color: Brown
00 00
                    Unused
10 14 00 00
                    Random objects:
F0 78 00 00
                       zBouS : 240/256 = 93%
                        zDiaS : 120/256 = 46%
                        third code unused (0%)
                        fourth code unused (0%)
Cave layout:
82 05 0A 0D 0D 00
                    FilledRect of zBrick from (5,10); length = 13; height
= 13; fill = zSpace
01 OC OA
                    StoreChar zDirt at (12,10)
                    FilledRect of zBrick from (25,10); length = 13; height
82 19 0A 0D 0D 00
= 13; fill = zSpace
01 1F 0A
                    StoreChar zDirt at (31,10)
42 11 12 09 02
                    Line of zBrick from (17,18); length = 9; direction =
right
40 11 13 09 02
                    Line of zSpace from (17,19); length = 9; direction =
right
25 07 0C
                    StoreChar zPRFd1 at (7,12)
04 08 0C
                    StoreChar zPreOut at (8,12)
FF
                    End of cave data.
002 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
003 Wdddrrddrddr.rrrrdrdd.ddrddrddddrrdrdrrW
004 Wdrrdddrrrdrddrrrrrrdrrd.drdrrrrdrddrrdW
005 Wddrrrrrrdrddrr.rrrdrrdddrdr.rrdrrrddrW
006 Wrrdrddrrrrrrdrrddd..ddrrdrddrrdrdd.rrdW
007 Wrrdrddrrrrrdrrd.drdrrrrdrdrdrrddrrddW
008 Wdddrrdrd.ddrrddrrdddrrdrdrrr.drddrrdrdW
009 Wrrrrrdrrdddd..rrrdrdd.rdrddr.rrddddddrW
010 Wdrddwwwwww.wwwwwdrrrrdrwwwwww.wwwwwwwW
011 Wd.dd
                     rddrrrd
012 Wdrdr XP
                     rddrrrd
                                          rW
013 Wdrrd
                     r.rrddr
                                          rW
014 Wdrrd
                     ddddrdr
                                          dW
015 Wrddd
                     drrd.dr
                                          dW
```

```
016 Wrrrr
           drrddrr
                       rW
017 Wdrdd
            .rdrrdr
                       rW
018 Wdrdd
           WWWWWWWW
                       rW
019 Wrrrd
                       rW
020 Wrrrd
            dd.rdrd
                       rW
021 Wddrr
            rrrdrdd
```

Cave 10 (Cave J: Tracks)

Get the jewels, avoid the fireflies

```
Cave 10
14
                 Magic wall/amoeba slow growth for: 20 seconds
19
                 Diamonds worth: 25 points
3C
                 Extra diamonds worth: 60 points
00 00 00 00 00
                 Randomiser seed values for difficulty levels 1-5
0C 0C 0C 0C 0C
                 Diamonds needed: 12, 12, 12, 12 (for difficulty
levels 1-5)
                 Cave time: 150, 130, 120, 110, 100 seconds
96 82 78 6E 64
06
                 Background color 1: Blue
08
                 Background color 2: Orange
09
                 Foreground color: Brown
00 00
                 Unused
00 00 00 00
                 Random objects:
00 00 00 00
                    first code unused (0%)
                    second code unused (0%)
                    third code unused (0%)
                    fourth code unused (0%)
Cave layout:
25 OD 03
                 StoreChar zPRFd1 at (13, 3)
04 27 16
                 StoreChar zPreOut at (39,22)
54 05 04 11 03
                 Line of zDiaS from (5, 4); length = 17; direction =
down/right
                 Line of zDiaS from (21, 4); length = 17; direction =
54 15 04 11 05
down/left
80 05 0B 11 03 08
                 FilledRect of zSpace from (5,11); length = 17; height
= 3; fill = zFFly1
C2 01 04 15 11
                 Rect of zBrick from (1, 4); length = 21; height = 17
00 OD 04
                 StoreChar zSpace at (13, 4)
C2 07 06 0D 0D
                 Rect of zBrick from (7, 6); length = 13; height = 13
00 OD 06
                 StoreChar zSpace at (13, 6)
C2 09 08 09 09
                 Rect of zBrick from (9, 8); length = 9; height = 9
00 0D 08
                 StoreChar zSpace at (13, 8)
C2 0B 0A 05 05
                 Rect of zBrick from (11,10); length = 5; height = 5
00 0D 0A
                 StoreChar zSpace at (13,10)
82 03 06 03 OF 08
                 FilledRect of zBrick from (3, 6); length = 3; height =
15; fill = zFFly1
00 04 06
                 StoreChar zSpace at (4, 6)
54 04 10 04 04
                 Line of zDiaS from (4,16); length = 4; direction =
down
                 End of cave data.
FF
Map #10
006 Ww.w w.wwwwww.w.......
```

008	Ww.qqq.w.wwww wwww.w
009	Ww.qqq.w.wddw.w.w
010	Ww.qqq.w.w.ww ww.w.w
011	Ww.qqq w w w w w
012	Ww.qqqqwqwqwqwqwqwqwqw
013	Ww.qqq w w w w w
014	Ww.qqq.w.w.wwww.w.w. W
015	Ww.qqq.w.wddw.w.w
016	Ww.qdq.w.wwwwwwww.wW
017	Ww.qdq.wddw.wW
018	Ww.qdq.wwwwwwwwwww.wW
019	Ww.qdqddw
020	\mathbb{W}
021	WW
022	WW
023	WWWWWWWWWWWWWWWWWWWWWWWWWWWWWW

Cave 11 (Cave K: Crowd)

You must move a lot of boulders around in some tight spaces

```
0B
                    Cave 11
14
                    Magic wall/amoeba slow growth for: 20 seconds
32
                    Diamonds worth: 50 points
00
                    Extra diamonds worth: 0 points
00 04 66 97 64
                    Randomiser seed values for difficulty levels 1-5
06 06 06 06 06
                    Diamonds needed: 6, 6, 6, 6 (for difficulty levels
1-5)
78 78 96 96 F0
                    Cave time: 120, 120, 150, 150, 240 seconds
0B
                    Background color 1: Gray 1
08
                    Background color 2: Orange
09
                    Foreground color: Brown
00 00
                    Unused
00 10 08 00
                    Random objects:
                        zSpace : 100/256 = 39%
64 50 02 00
                        zBouS : 80/256 = 31%
                        zFFly1 :
                                  2/256 = 0%
                        fourth code unused (0%)
Cave layout:
42 OA O3 O9 O4
                    Line of zBrick from (10, 3); length = 9; direction =
down
42 14 03 09 04
                    Line of zBrick from (20, 3); length = 9; direction =
down
42 1E 03 09 04
                    Line of zBrick from (30, 3); length = 9; direction =
down
42 09 16 09 00
                    Line of zBrick from (9,22); length = 9; direction = up
42 OC OF 11 O2
                    Line of zBrick from (12,15); length = 17; direction =
right
42 05 0B 09 02
                    Line of zBrick from (5,11); length = 9; direction =
right
42 OF OB 09 02
                    Line of zBrick from (15,11); length = 9; direction =
right
                    Line of zBrick from (25,11); length = 9; direction =
42 19 0B 09 02
right
42 1C 13 0B 01
                    Line of zBrick from (28,19); length = 11; direction =
up/right
14 04 03
                    StoreChar zDiaS at (4, 3)
14 OE 03
                    StoreChar zDiaS at (14, 3)
                    StoreChar zDiaS at (24, 3)
14 18 03
                   StoreChar zDiaS at (34, 3)
14 22 03
14 04 16
                   StoreChar zDiaS at (4,22)
```

```
14 23 15
                 StoreChar zDiaS at (35,21)
25 14 14
                 StoreChar zPRFd1 at (20,20)
04 26 11
                 StoreChar zPreOut at (38,17)
                  End of cave data.
FF
Map #11
003 Wr.rd.rrr.w...drr..rw...d...r.w...dr.r.W
004 W... r.r.w...r r..rwr...r.rwr...r.rw
005 W.... ..rrw.r...r..w..r. rr..w...r.rrW
006 Wr.r.. rrrw.r... ..wr....r.wr...r.w
007 Wr. ...r.w. ..r.rrw....r.wr..... W
008 Wrr..r...wr.rr....wr.rr...wr.rr...
009 W..r.rr..rwrr...r...wr.rr....wr..r. .wW
010 W..r...r.w...r.r.rwr..r. .rrw. r..qwrW
011 Wr.r.wwwwwwwwwwwwwwwwwwwwwwwwwwww..w. W
012 W.r. ....rrrr..r.r.rr..rr..r r...wr..W
013 Wr.rr.....rrrr.r. . r...r.rr.wr.rrW
014 W. .r.r. w..rrr..r.. ...rw.r.rrW
015 W. .r.r. wr.wwwwwwwwwwwwwwwwwww.w.r...W
016 Wr.. rrr.wr...r...r... .rr...w.r.rr.rW
017 Wr...rrr.wr.r.. r..r.r.r.rrw....r.PW
018 W .r...rw ..r.rrr....r.rw......
019 W..r... w..r..r.rr....wr..r.rW
020 Wr.rr..r.wr...rXrr....r.rq..r..W
021 Wr...r..w..r.rq.....r.. r.. r..rdr..W
022 Wrr.d. ..w..r.rr....r. r.q.rr.r...W
023 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
```

Cave 12 (Cave L: Walls)

You must blast hrough walls to get at some of the jewels. Drop a boulder on a firefly at the right time and place to do this.

```
0C
                    Cave 12
14
                    Magic wall/amoeba slow growth for: 20 seconds
14
                    Diamonds worth: 20 points
00
                    Extra diamonds worth: 0 points
00 3C 02 3B 66
                    Randomiser seed values for difficulty levels 1-5
13 13 OE 10 15
                    Diamonds needed: 19, 19, 14, 16, 21 (for difficulty
levels 1-5)
                    Cave time: 180, 170, 160, 160, 160 seconds
B4 AA AO AO AO
0C
                    Background color 1: Gray 2
0A
                    Background color 2: Light red
09
                    Foreground color: Brown
00 00
                    Unused
00 10 14 00
                    Random objects:
3C 32 09 00
                        zSpace : 60/256 = 23%
                        zBouS : 50/256 = 19%
                        zDiaS :
                                  9/256 = 3%
                        fourth code unused (0%)
Cave layout:
42 OA O5 12 O4
                    Line of zBrick from (10, 5); length = 18; direction =
down
42 OE 05 12 04
                    Line of zBrick from (14, 5); length = 18; direction =
down
42 12 05 12 04
                    Line of zBrick from (18, 5); length = 18; direction =
down
42 16 05 12 04
                    Line of zBrick from (22, 5); length = 18; direction =
down
42 02 06 0B 02
                    Line of zBrick from (2, 6); length = 11; direction =
```

```
right
42 02 0A 0B 02
                Line of zBrick from (2,10); length = 11; direction =
right
42 02 0E 0F 02
                Line of zBrick from (2,14); length = 15; direction =
right
42 02 12 0B 02
                Line of zBrick from (2,18); length = 11; direction =
right
81 1E 04 04 04 00
                FilledRect of zDirt from (30, 4); length = 4; height =
4; fill = zSpace
08 20 05
                StoreChar zFFly1 at (32, 5)
81 1E 09 04 04 00
                FilledRect of zDirt from (30, 9); length = 4; height =
4; fill = zSpace
08 20 0A
                StoreChar zFFly1 at (32,10)
81 1E 0E 04 04 00
                FilledRect of zDirt from (30,14); length = 4; height =
4; fill = zSpace
08 20 OF
                StoreChar zFFly1 at (32,15)
25 03 14
                StoreChar zPRFd1 at (3,20)
04 27 16
                StoreChar zPreOut at (39,22)
FF
                End of cave data.
Map #12
002 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
003 Wr. ...rr...r.r.r...r...r..d.W
004 W....d.r.......r..r..r..r..rw
005 W.....rdw.r.w.. w...wr...r.. q . .. W
006 Wdwwwwwwwwww.w...w..rw...r.
008 Wrr..r...w...w..rwrr....r..d....W
009 W..r....rwrr.w...w..rwrr....rw
010 W.wwwwwwwwwwww.w.r.w .rw.r...r q ..d.rW
011 Wr.r...w...w.r.w..rw.r..d..
012 W.r.....wrr w..dw.. w...r....d.r..W
013 W ........wrr w..rw...w... ..r.....W
015 W...r.r..w...wr..wr..r.r q .....W
016 W....r r..w...wd..wd..w..r ...
019 W..r....w.r.w...wr.rw.......
020 Wr.X...r. w...wr.rw.....rd..r..W
021 W...r...w.r.wd..w...w.... ...r..d. ..W
022 Wrr.....w.r.wd..w...w..r..d.d.r..r...W
```

Cave 13 (Cave M: Apocalypse)

Bring the butterflies and amoeba together and watch the jewels fly

```
Cave 13
8C
                    Magic wall/amoeba slow growth for: 140 seconds
05
                     Diamonds worth: 5 points
0.8
                    Extra diamonds worth: 8 points
00 01 02 03 04
                    Randomiser seed values for difficulty levels 1-5
32 37 3C 46 50
                    Diamonds needed: 50, 55, 60, 70, 80 (for difficulty
levels 1-5)
                     Cave time: 160, 155, 150, 145, 140 seconds
A0 9B 96 91 8C
06
                    Background color 1: Blue
08
                    Background color 2: Orange
                    Foreground color: Light green
0 D
00 00
                    Unused
10 00 00 00
                    Random objects:
```

```
28 00 00 00
             zBouS : 40/256 = 15\%
             second code unused (0%)
             third code unused (0%)
             fourth code unused (0%)
Cave layout:
25 12 03
           StoreChar zPRFd1 at (18, 3)
04 0A 03
           StoreChar zPreOut at (10, 3)
3A 14 03
           StoreChar zAmoe at (20, 3)
42 05 12 1E 02
          Line of zBrick from (5,18); length = 30; direction =
right
70 05 13 1E 02
          Line of zBFly1 from (5,19); length = 30; direction =
right
50 05 14 1E 02
           Line of zBouS from (5,20); length = 30; direction =
right
           Rect of zDirt from (5,21); length = 30; height = 2
C1 05 15 1E 02
FF
           End of cave data.
Map #13
003 Wr....rr.P....r.Xra....r.w
005 W.....w
006 Wr....r.r....w
007 Wr.....w
008 W.r..r....r.r.r.r.w
009 W..r...r.r.r.r.r.rr.mw
010 W....r.r.r.r.r.r.w
011 Wr.r.....w
012 W....rr.r.r.r..r..r..r..w
013 W....r..r..r..r..w
015 W...r.r...r...r...r...w
016 W....r.r.r.r.r.r.r.r.r.r.
018 W..r.wwwwwwwwwwwwwwwwwwwwwwwwww....W
```

Cave 14 (Cave N: Zigzag)

Magically transform the butterflies into jewels, but don't waste any boulders and watch out the fireflies

```
ΟE
                    Cave 14
14
                    Magic wall/amoeba slow growth for: 20 seconds
ΩA
                    Diamonds worth: 10 points
                    Extra diamonds worth: 20 points
00 00 00 00 00
                    Randomiser seed values for difficulty levels 1-5
1E 23 28 2A 2D
                    Diamonds needed: 30, 35, 40, 42, 45 (for difficulty
levels 1-5)
96 91 8C 87 82
                    Cave time: 150, 145, 140, 135, 130 seconds
0C
                    Background color 1: Gray 2
NΑ
                    Background color 2: Orange
09
                    Foreground color: Brown
00 00
                    Unused
10 00 00 00
                    Random objects:
00 00 00 00
                       first code unused (0%)
                        second code unused (0%)
```

third code unused (0%) fourth code unused (0%)

```
Cave layout:
          FilledRect of zDirt from (10,10); length = 13; height =
81 0A 0A 0D 0D 00
13; fill = zSpace
70 OB OB OC 03
          Line of zBFly1 from (11,11); length = 12; direction =
down/right
C1 OC OA O3 OD
          Rect of zDirt from (12,10); length = 3; height = 13
          Rect of zDirt from (16,10); length = 3; height = 13
C1 10 0A 03 0D
          Rect of zDirt from (20,10); length = 3; height = 13
C1 14 0A 03 0D
          Line of zBouS from (22, 8); length = 12; direction =
50 16 08 0C 02
right
48 16 07 0C 02
          Line of zFFly1 from (22, 7); length = 12; direction =
right
C1 17 06 03 04
          Rect of zDirt from (23, 6); length = 3; height = 4
          Rect of zDirt from (27, 6); length = 3; height = 4
C1 1B 06 03 04
          Rect of zDirt from (31, 6); length = 3; height = 4
C1 1F 06 03 04
25 03 03
          StoreChar zPRFd1 at (3, 3)
04 27 14
           StoreChar zPreOut at (39,20)
FF
          End of cave data.
Map #14
002 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
003 W..X.....W
004 W.....W
005 W.....W
007 W.....q.q.q.q.q.q.q.....W
009 W.....W
```

Cave 15 (Cave O: Funnel)

There is an enchanted wall at the bottom of the rock tunnel

```
Cave 15
                    Magic wall/amoeba slow growth for: 8 seconds
08
                    Diamonds worth: 10 points
0A
                    Extra diamonds worth: 20 points
14
01 1D 1E 1F 20
                    Randomiser seed values for difficulty levels 1-5
OF 14 14 19 1E
                    Diamonds needed: 15, 20, 20, 25, 30 (for difficulty
levels 1-5)
78 78 78 78 8C
                    Cave time: 120, 120, 120, 120, 140 seconds
                    Background color 1: Orange
0.8
                    Background color 2: Light blue
ΟE
09
                    Foreground color: Brown
00 00
                    Unused
```

```
Random objects:
00 10 08 00
                   zSpace : 100/256 = 39%
64 50 02 00
                   zBouS : 80/256 = 31%
                   zFFly1 :
                           2/256 = 0%
                   fourth code unused (0%)
Cave layout:
42 02 04 0A 03
                Line of zBrick from (2, 4); length = 10; direction =
down/right
42 OF OD OA 01
                Line of zBrick from (15,13); length = 10; direction =
up/right
41 OC OE 03 02
                Line of zDirt from (12,14); length = 3; direction =
right
43 OC OF 03 02
                Line of zMagic from (12,15); length = 3; direction =
right
04 14 16
                StoreChar zPreOut at (20,22)
25 14 03
                StoreChar zPRFd1 at (20, 3)
FF
                End of cave data.
Map #15
002 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
003 Wr.rr.. r..r.r..Xr..r.rr..r.w
004 W.w.rr....r..r...w...r..w.
005 Wrrw.r... r.. r..r.rwr.... .. ..r.rqW
006 W...wr..r. q....r. ..wr. ....rrrr..rW
007 W.rr.wrr... r..r.r...wr. r.....rrrr..rW
008 W. r..wr..r.r ..r.rrw... rrr. ...rrr..rW
009 W...rr.w. q..r.rrw....r.rr.rr..W
011 W... .rr.w...r. wqrr. ...rrr..r.r. rW
012 Wr.r...r.rw.....wr..r. .r...r. ..r.rrW
014 W.rr....r..r..r..r.r.r.r.r.r.w
015 W.rr....r.mmm..r...r..r..w
017 W..r..r. .r...r. .....r. W
018 Wr.. r....r.r.r.r...r. .....rrr..r..W
019 Wr...r.r. ..r. rrrr..r.r.rrw
020 W. r..q r....r.rr...rrrr..r. .rr.. rW
021 Wr.rr..r.rr... .r.r. ...rrr..r...
022 W...rr.r.rr... r.r.P...r r..r.r...W
```

Cave 16 (Cave P: Enchanted boxes)

The top of each square room is an enchanted wall, but you'll have to blast your way inside

```
10
                    Cave 16
14
                    Magic wall/amoeba slow growth for: 20 seconds
ΩA
                    Diamonds worth: 10 points
14
                    Extra diamonds worth: 20 points
01 78 81 7E 7B
                    Randomiser seed values for difficulty levels 1-5
OC OF OF OF OC
                    Diamonds needed: 12, 15, 15, 15, 12 (for difficulty
levels 1-5)
96 96 96 96 96
                    Cave time: 150, 150, 150, 150, 150 seconds
09
                    Background color 1: Brown
ΛΩ
                    Background color 2: Light red
Λ9
                    Foreground color: Brown
00 00
                    Unused
10 00 00 00
                    Random objects:
32 00 00 00
                     zBouS : 50/256 = 19%
```

```
second code unused (0%)
                  third code unused (0%)
                  fourth code unused (0%)
Cave layout:
25 01 03
               StoreChar zPRFd1 at (1, 3)
04 27 04
               StoreChar zPreOut at (39, 4)
81 08 13 04 04 00
               FilledRect of zDirt from ( 8,19); length = 4; height =
4; fill = zSpace
08 0A 14
               StoreChar zFFly1 at (10,20)
C2 07 0A 06 08
               Rect of zBrick from (7,10); length = 6; height = 8
43 07 0A 06 02
               Line of zMagic from (7,10); length = 6; direction =
right
81 10 13 04 04 00
               FilledRect of zDirt from (16,19); length = 4; height =
4; fill = zSpace
08 12 14
               StoreChar zFFly1 at (18,20)
C2 OF OA 06 08
               Rect of zBrick from (15,10); length = 6; height = 8
43 OF OA 06 02
               Line of zMagic from (15,10); length = 6; direction =
right
81 18 13 04 04 00
               FilledRect of zDirt from (24,19); length = 4; height =
4; fill = zSpace
08 1A 14
               StoreChar zFFly1 at (26,20)
81 20 13 04 04 00
               FilledRect of zDirt from (32,19); length = 4; height =
4; fill = zSpace
08 22 14
               StoreChar zFFly1 at (34,20)
FF
               End of cave data.
Map #16
003 WX..r....w
004 W.r.rr....r.r.r.w
005 W.r..r...r.r.r.r.r.r.r.w
006 W.....r.r.r.r.r.w
007 W..r...r..r.r.r.r.r.w
008 W.....rrr......
009 W....r.r.r.r.w
010 W..r...mmmmmm..mmmmm......W
011 W....rw...w..w..rrw....r..rw
012 Wr.r...w..r.w..w...r...r....W
013 W.....w.r.w..wr..r.....W
014 W.rr...wr.wr.w.r...r..W
015 W.rr...w....wrrw.r..w...r.r.rr..W
016 W..r...w...w..w.rr....r.rr..W
018 Wr...r..r.r.r......
019 W.....r...r...r...rw
020 W..r..r. q .... q ...r q .r.. q ..rW
           . . . .
                 . . . .
                       .r..
022 W....r...w
```

Cave 17 (Intermission 1)

```
Cave 17
Magic wall/amoeba slow growth for: 20 seconds
Diamonds worth: 30 points
Diamonds worth: 0 points
DA 0B 0C 0D 0E
Randomiser seed values for difficulty levels 1-5
Diamonds needed: 6, 6, 6, 6 (for difficulty levels 1-5)
DA 0A 0A 0A 0A 0A
Cave time: 10, 10, 10, 10 seconds
```

```
Background color 1: Light blue
02
                  Background color 2: Red
09
                  Foreground color: Brown
00 00
                  Unused
                  Random objects:
00 14 00 00
                    zSpace : 255/256 = 99%
FF 09 00 00
                     zDiaS : 9/256 = 3%
                     third code unused (0%)
                     fourth code unused (0%)
Cave layout:
87 00 02 28 16 07 FilledRect of zSteel from (0, 2); length = 40; height
= 22; fill = zSteel
87 00 02 14 0C 00 FilledRect of zSteel from (0, 2); length = 20; height
= 12; fill = zSpace
32 OA OC
                  StoreChar zBFly3 at (10,12)
10 0A 04
                  StoreChar zBouS at (10, 4)
                StoreChar zDirt at (10, 5)
01 0A 05
                 StoreChar zPRFd1 at (3, 5)
25 03 05
04 12 OC
                 StoreChar zPreOut at (18,12)
FF
                  End of cave data.
002 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
003 W
                 WWWWWWWWWWWWWW
004 W
                     WWWWWWWWWWWWWWWWW
005 W X
                     WWWWWWWWWWWWWWWWW
006 W
                     WWWWWWWWWWWWWWWWW
007 W
                     WWWWWWWWWWWWWWWWW
008 W
                     WWWWWWWWWWWWWWWW
009 W
                     WWWWWWWWWWWWWWWW
010 W
                     WWWWWWWWWWWWWWWW
011 W
                     WWWWWWWWWWWWWWWWW
012 W
                  P WWWWWWWWWWWWWWWWWW
013 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
0.14 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
015 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
016 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
017 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
018 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
019 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
020 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
021 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
022 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
023 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
```

Cave 18 (Intermission 2)

```
12
14
                   Magic wall/amoeba slow growth for: 20 seconds
0A
                   Diamonds worth: 10 points
                   Extra diamonds worth: 0 points
OA OB OC OD OE
                   Randomiser seed values for difficulty levels 1-5
10 10 10 10 10
                   Diamonds needed: 16, 16, 16, 16, 16 (for difficulty
levels 1-5)
OF OF OF OF OF Cave time: 15, 15, 15, 15 seconds
06
                  Background color 1: Blue
ΟF
                  Background color 2: Gray 3
09
                  Foreground color: Brown
00 00
                  Unused
00 00 00 00
                  Random objects:
```

```
00 00 00 00
                  first code unused (0%)
                   second code unused (0%)
                   third code unused (0%)
                   fourth code unused (0%)
Cave layout:
87 00 02 28 16 07
                FilledRect of zSteel from (0, 2); length = 40; height
= 22; fill = zSteel
87 00 02 14 0C 01
                FilledRect of zSteel from (0, 2); length = 20; height
= 12; fill = zDirt
50 01 03 09 03
                Line of zBouS from (1, 3); length = 9; direction =
down/right
                Line of zFFly1 from (2, 3); length = 8; direction =
48 02 03 08 03
down/right
                Line of zDiaS from (1, 5); length = 8; direction =
54 01 05 08 03
down/right
50 01 06 07 03
                Line of zBouS from (1, 6); length = 7; direction =
down/right
                Line of zBouS from (18, 3); length = 9; direction =
50 12 03 09 05
down/left
                Line of zDiaS from (18, 5); length = 8; direction =
54 12 05 08 05
down/left
50 12 06 07 05
                Line of zBouS from (18, 6); length = 7; direction =
down/left
25 01 04
                StoreChar zPRFd1 at (1, 4)
04 12 04
                StoreChar zPreOut at (18, 4)
FF
                End of cave data.
Map #18
002 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
003 Wrg......wwwwwwwwwwwwwwwwww
004 WXrq.....rP.WWWWWWWWWWWWWWWWWWW
005 Wd.rq......d.WWWWWWWWWWWWWWWWWWW
006 Wrd.rq.....r.dr.WWWWWWWWWWWWWWWWWW
007 W.rd.rq....r.dr..WWWWWWWWWWWWWWWWWWW
008 W..rd.rq....r.dr...WWWWWWWWWWWWWWWWWWW
009 W...rd.rq...r.dr....WWWWWWWWWWWWWWWWWW
010 W....rd.rq.r.dr.....WWWWWWWWWWWWWWWWWW
011 W....rd.rr.dr.....WWWWWWWWWWWWWWWWWW
012 W.....rd..dr.....WWWWWWWWWWWWWWWWWWW
014 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
016 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
021 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
022 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
023 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
```

Cave 19 (Intermission 3)

```
Cave 19

Magic wall/amoeba slow growth for: 4 seconds

Diamonds worth: 10 points

Diamonds worth: 0 points

A OB OC OD OE

Randomiser seed values for difficulty levels 1-5

Diamonds needed: 14, 14, 14, 14, 14 (for difficulty levels 1-5)
```

```
14 14 14 14 14
                 Cave time: 20, 20, 20, 20, 20 seconds
                 Background color 1: Blue
08
                 Background color 2: Orange
09
                 Foreground color: Brown
00 00
                 Unused
00 00 00 00
                 Random objects:
00 00 00 00
                   first code unused (0%)
                    second code unused (0%)
                    third code unused (0%)
                    fourth code unused (0%)
Cave layout:
87 00 02 28 16 07
                 FilledRect of zSteel from (0, 2); length = 40; height
= 22; fill = zSteel
87 00 02 14 0C 00 FilledRect of zSteel from (0, 2); length = 20; height
= 12; fill = zSpace
                 Line of zDiaS from (1,12); length = 18; direction =
54 01 0C 12 02
right
88 0F 09 04 04 08 FilledRect of zFFly1 from (15, 9); length = 4; height =
4; fill = zFFly1
                 StoreChar zPRFd1 at (8, 3)
25 08 03
04 12 07
                 StoreChar zPreOut at (18, 7)
FF
                 End of cave data.
002 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
003 W
                    004 W
                    WWWWWWWWWWWWWWWWW
005 W
                    WWWWWWWWWWWWWWWWW
006 W
                    WWWWWWWWWWWWWWWWW
007 W
                  P WWWWWWWWWWWWWWWWW
008 W
                    WWWWWWWWWWWWWWWW
                qqqq WWWWWWWWWWWWWWWWWW
009 W
                qqqq ММММММММММММММММММММ
010 W
011 W
                012 Wddddddddddddqqqq WWWWWWWWWWWWWWWWWW
013 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
014 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
015 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
016 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
017 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
018 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
019 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
020 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
021 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
023 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
```

Cave 20 (Intermission 4)

```
14
0.3
                   Magic wall/amoeba slow growth for: 3 seconds
1E
                   Diamonds worth: 30 points
                   Extra diamonds worth: 0 points
                Randomiser seed values for difficulty levels 1-5
00 00 00 00 00
06 06 06 06 06
                  Diamonds needed: 6, 6, 6, 6 (for difficulty levels
1 - 5)
14 14 14 14 14
                  Cave time: 20, 20, 20, 20, 20 seconds
06
                   Background color 1: Blue
08
                   Background color 2: Orange
09
                   Foreground color: Brown
```

```
00 00
               Unused
00 00 00 00
               Random objects:
00 00 00 00
                  first code unused (0%)
                   second code unused (0%)
                   third code unused (0%)
                   fourth code unused (0%)
Cave layout:
87 00 02 28 16 07
                FilledRect of zSteel from (0, 2); length = 40; height
= 22; fill = zSteel
87 00 02 14 0C 01 FilledRect of zSteel from (0, 2); length = 20; height
= 12; fill = zDirt
DO OB 03 03 02
               Rect of zBouS from (11, 3); length = 3; height = 2
80 0B 07 03 06 00 FilledRect of zSpace from (11, 7); length = 3; height =
6; fill = zSpace
               Line of zMagic from (11, 6); length = 3; direction =
43 OB 06 03 02
right
43 0B 0A 03 02 Line of zMagic from (11,10); length = 3; direction =
right
               Line of zBouS from (8, 7); length = 3; direction =
50 08 07 03 03
down/right
25 03 03
               StoreChar zPRFd1 at (3, 3)
04 09 0A
                StoreChar zPreOut at (9,10)
FF
                End of cave data.
Map #20
002 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
003 W..X....rrr.....WWWWWWWWWWWWWWWWWW
004 W.....mrr.....WWWWWWWWWWWWWWWWWW
005 W......WWWWWWWWWWWWWWWWWW
006 W.....mmm.....WWWWWWWWWWWWWWWWWW
007 W....r.. .....WWWWWWWWWWWWWWWWWWW
             ....
008 W....r.
009 W....r .....WWWWWWWWWWWWWWWWWWW
010 W.....P.mmm.....WWWWWWWWWWWWWWWWWW
011 W..... ..... WWWWWWWWWWWWWWWWWW
              ....
012 W.....
013 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
014 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
015 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
016 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
018 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
019 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
020 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
021 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW
```

<u>Martijn's Boulder Dash Fan Site</u> <u>Peter Broadribb</u>