

General Information

Game Characters

1-4: Numbers

- Cursor keys: To move human player
- WASD keys: To put an item (related direction) into the backpack
- IJKL keys: To remove an item (related direction) from the backpack
- Computer controls C.
- C's targeted path will be marked in the game area.

Input

```

<<<<<<<<<<
21**12*43*
<<<<<<<<<<

```

Backpack

| | | |
|-------|---|--|
| | 4 | |
| | 2 | |
| | * | |
| | 2 | |
| +---+ | | |

Energy

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H:  1384
C:   67

```

Input List

The numbers (1-4) and energy points are inserted into the maze area from an input list. The input list (size of 10 numbers) is always full of numbers and energy points, and shows the next item which will be inserted into the maze. The first number or energy point in the list is inserted into the maze when the total number of these objects on the maze becomes less than 20.

| Item | Generation probability |
|------|---|
| 1-4 | 1/2 (equal probabilities within themselves) |
| * | 1/2 |

Game Initialization

The game area is loaded from a file "maze.txt" at the beginning of the game. The player can load another maze from the main menu. The players (H and C) are placed randomly in the maze.

At the beginning of the game, energy points and numbers are placed randomly in the maze.

Game Playing Information

Human player (H) can push the numbers if there is an empty square behind it. When the same numbers come together, they disappear and the Human player gains more energy according to the table below.

| Same numbers | Energy |
|--------------|--------|
| Doubles | 100 |
| Triples | 200 |
| Quadruples | 400 |

Human player gains 25 energy for each energy item (*). Computer player gains 50 energy for each energy item. Computer player cannot push or use numbers. There cannot be more than one game element in the same square.

Human player has a backpack with the capacity of 5 items. S/he can put numbers or energy items in the backpack. When human collects a number in the backpack, energy of the player is decreased by 100 points.

Each number and energy point can stay for 100 seconds in the maze. Then they disappear. New objects come from input list instead of disappeared ones. While players are moving in the maze, each movement costs 1 energy point. If the energy of a player is 0, the speed of the player becomes half of normal speed.

End of the Game

When the computer catches the human player, the game ends.