DSA Assignment2 · 3 Shogi Result

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1. New game mode

a. Start

```
gcc -o bb main2.c link.c -lev
./bb -n -s new_game_link.txt
's play shogi!
1)香車 (8,1)桂
2) (8,2)飛
```

b. Play

```
The turn is x now!
Please enter current column :
Please enter current row : 7
Please enter next column : 7
  lease enter next column: 6
9,1)香車 (8,1)桂馬 (7,1)
9,2) (8,2)飛車 (7,2)
9,3)步兵 (8,3)步兵 (7,3)
9,4) (8,4) (7,4)
9,5) (8,5) (7,5)
The time of player x use: 17 second on you want to save file?(press s for yes n for no)
```

```
Do you want to save file?(press s for yes n for no) n
The turn is y now!
Please enter current column : 8
Please enter current row : 3
 Please enter current corumn
Please enter current row:
Please enter next column:
Please enter next row: 4
(9,1)香車 (8,1)桂馬 (7,1)銀
(9,2) (8,2)飛車 (7,2)
(9,3)步兵 (8,3) (7,3)步
```

```
Do you want to save file?(press s for yes n for no) n
The turn is x now!
Please enter current column: 8
Please enter next column: 3
Please enter next row: 3
(9,1)香車(8,1)桂馬(7,1)銀將(6,1)金將(5,1)王將(4,1)金將(3,1)銀將(2,1)桂馬(1,1)香車(9,2)(8,2)飛車(7,2)(6,2)(5,2)(4,2)(3,2)(2,2)角行(1,2)(9,3)步兵(8,3)(7,3)步兵(6,3)步兵(5,3)步兵(4,3)步兵(3,3)角行(2,3)步兵(1,3)步兵(9,4)(8,4)步兵(7,4)(6,4)(5,4)(4,4)(3,4)(2,4)(1,4)(9,5)(8,5)(7,5)(6,5)(5,5)(4,5)(3,5)(2,5)(1,5)(9,6)(8,6)(7,6)步兵(6,6)(5,6)(4,6)(3,6)(2,6)(1,6)(9,7)步兵(8,7)步兵(6,7)(6,7)步兵(5,7)步兵(4,7)步兵(3,7)步兵(2,7)步兵(1,7)步兵(9,8)(8,8)(7,8)(6,8)(5,8)(4,8)(3,8)(2,8)飛車(1,8)(9,9)香車(8,9)桂馬(7,9)銀將(6,9)金將(5,9)王將(4,9)金將(3,9)銀將(2,9)桂馬(1,9)香車
The time of player x use: 21 second
```

Testing recover:

```
Do you want to save file?(press s for yes n for no) n
The turn is y now!
Please enter current column: 0
Recover!
(9,1)香車(8,1)桂馬(7,1)銀將(6,1)金將(5,1)王將(4,1)金將(3,1)銀將(2,1)桂馬(1,1)香車(9,2) (8,2)飛車(7,2) (6,2) (5,2) (4,2) (3,2) (2,2)角行(1,2) (9,3)步兵(8,3) (7,3)步兵(6,3)步兵(5,3)步兵(4,3)步兵(3,3)步兵(2,3)步兵(1,3)步兵(9,4) (8,4)步兵(7,4) (6,4) (5,4) (4,4) (3,4) (2,4) (1,4) (9,5) (8,5) (7,5) (6,5) (5,5) (4,5) (3,5) (2,5) (1,5) (9,6) (8,6) (7,6)步兵(6,6) (5,6) (4,6) (3,6) (2,6) (1,6) (9,7)步兵(8,7)步兵(7,7) (6,7)步兵(5,7)步兵(4,7)步兵(3,7)步兵(2,7)步兵(1,7)步兵(9,8) (8,8)角行(7,8) (6,8) (5,8) (4,8) (3,8) (2,8)飛車(1,8) (9,9)香車(8,9)桂馬(7,9)銀將(6,9)金將(5,9)王將(4,9)金將(3,9)銀將(2,9)桂馬(1,9)香車
```

Save the manual:

```
Do you want to save file?(press s for yes n for no) n
The turn is x now!
Please enter current column: 8
Please enter next column: 5
Please enter next row: 5
(9,1)香車(8,1)桂馬(7,1)銀將(6,1)金將(5,1)王將(4,1)金將(3,1)銀將(2,1)桂馬(1,1)香車(9,2) (8,2)飛車(7,2) (6,2) (5,2) (4,2) (3,2) (2,2)角行(1,2) (9,3)步兵(8,3) (7,3)步兵(6,3)步兵(5,3)步兵(4,3)步兵(3,3)步兵(2,3)步兵(1,3)步兵(9,4) (8,4)步兵(7,4) (6,4) (5,4) (4,4) (3,4) (2,4) (1,4) (9,5) (8,5) (7,5) (6,5) (5,5)角行(4,5) (3,5) (2,5) (1,5) (9,6) (8,6) (7,6)步兵(6,6) (5,6) (4,6) (3,6) (2,6) (1,6) (9,7)步兵(8,7)步兵(7,7) (6,7)步兵(5,7)步兵(4,7)步兵(3,7)步兵(2,7)步兵(1,7)步兵(9,8) (8,8) (7,8) (6,8) (5,8) (4,8) (3,8) (2,8)飛車(1,8) (9,9)香車(8,9)桂馬(7,9)銀將(6,9)金將(5,9)王將(4,9)金將(3,9)銀將(2,9)桂馬(1,9)香車The time of player y use: 54 second Do you want to save file?(press s for yes n for no) s Saved!
```

c. Text file

```
1 7 7 7 6
2 8 3 8 4
3 8 8 5 5
4
```

2. Load manual mode

```
lease decide the next step, press f for next step or b for last step :
lease decide the next step, press f for next step or b for last step :
                                 (6,1)
(6,2)
(6,3)
(6,4)
(6,5)
```

```
Please decide the next step, press f for next step or b for last step:

f
(9,1)香車 (8,1)桂馬 (7,1)銀將 (6,1)金將 (5,1)王將 (4,1)金將 (3,1)銀將 (2,1)桂馬 (1,1)香車 (9,2) (8,2)飛車 (7,2) (6,2) (5,2) (4,2) (3,2) (2,2)角行 (1,2) (9,3)步兵 (8,3) (7,3)步兵 (6,3)步兵 (5,3)步兵 (4,3)步兵 (3,3)步兵 (2,3)步兵 (1,3)步兵 (9,4) (8,4)步兵 (7,4) (6,4) (5,4) (4,4) (3,4) (2,4) (1,4) (9,5) (8,5) (7,5) (6,5) (5,5)角行 (4,5) (3,5) (2,5) (1,5) (9,6) (8,6) (7,6)步兵 (6,6) (5,6) (4,6) (3,6) (2,6) (1,6) (9,7)步兵 (8,7)步兵 (7,7) (6,7)步兵 (5,7)步兵 (4,7)步兵 (3,7)步兵 (2,7)步兵 (1,7)步兵 (9,8) (8,8) (7,8) (6,8) (5,8) (4,8) (3,8) (2,8)飛車 (1,8) (9,9)香車 (8,9)桂馬 (7,9)銀將 (6,9)金將 (5,9)王將 (4,9)金將 (3,9)銀將 (2,9)桂馬 (1,9)香車 Please decide the next step, press f for next step or b for last step:

f The all record is finished!
penguin@LAPTOP-NP8CU4V0:~/test/HW2$
```