

```
1 package main
2
3 import (
4     "bufio"
5     "fmt"
6     "os"
7     "strconv"
8     "strings"
9 )
10
11 var PLAYER int
12 var OPPONENT int
13 var gameState UltimateBoard
14 var validBoards []int
15 var timebank int
16 var time_per_move int
17 var time_left int
18
19 var ROUND int
20
21 func getInt(strVal string) int {
22     val, err := strconv.Atoi(strVal)
23     if err != nil {
24         panic(err)
25     }
26     return val
27 }
28
29 func storeSettings(settings []string) {
30     switch field := settings[0]; field {
31     case "timebank":
32         timebank = getInt(settings[1])
33     case "time_per_move":
34         time_per_move = getInt(settings[1])
35     case "your_botid":
36         PLAYER = getInt(settings[1])
37         OPPONENT = 3 - PLAYER
38     default:
39         //dont care
40     }
41 }
42
43 func updateGame(updates []string) {
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44     switch update := updates[0]; update {
45     case "field":
46         fields := projectFields(updates[1])
47
48         for i := 0; i < 9; i++ {
49             gameState[i] = fields[i]
50         }
51     case "macroboard":
52         validBoards = make([]int, 0, 9)
53         boardStrings := strings.Split(updates[1], ",")
54         for i, boardString := range boardStrings {
55             if isPlayable := getInt(boardString) == -1; isPlayable {
56                 validBoards = append(validBoards, i)
57             }
58         }
59         // for _, y := range validBoards {
60         //     fmt.Println(y)
61         // }
62     default:
63         //dont care
64     }
65 }
66
67 func printAction(params []string) {
68     time_left = getInt(params[1])
69     move := RunMonteCarlo(validBoards, &gameState)
70     moveString := projectMove(move.board, move.square)
71     fmt.Println(moveString)
72 }
73
74 func main() {
75     ROUND = 1
76     initFields()
77
78     scanner := bufio.NewScanner(os.Stdin)
79     for scanner.Scan() {
80         line := scanner.Text()
81         if len(line) == 0 {
82             continue
83         }
84
85         switch words := strings.Fields(line); words[0] {
86         case "settings":
87             storeSettings(words[1:])
88         case "update":
89             updateGame(words[2:7])

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```
90         case "action":
91             printAction(words[1:])
92         default:
93             //Something wrong
94             fmt.Println("default: " + words[0])
95     }
96 }
97 }
```