

E5 – PiedPipers

Actual task: 8. Detailed plans

Maximum points: 45

Points obtained: 30

Remarks:

Cover page, format, submission time- are adequate.

Input and output language- you did not add elements to the previously defined I/O language, meaning that you can run the test I asked for.

Plans of objects and methods – described. I see some details added. If I am the programmer, I am not sure that I understand what to implement, how the methods will function. Diagrams would have been maybe useful to explain methods.

Test cases are described, (7 cases); all cases are rather simple. Using the input and output language you specified not quite followable. What about reading input from file and writing to file?

You inserted the case we asked for- but I do not understand how do you give the input in the language defined by you?

Ex1:

- Input

```
set asteroidbelt 3 3 3
create object SETTLER 0 0 0
modify A000 ISATPERIHELION TRUE
modify A000 ROCKCOVER 1
add WATERICE A000 RESOURCEOFASTEROID
drill A000
```

- Output

```
asteroidbelt with dimensions 3 3 3 has been set
created object SETTLER 0 0 0
modified A000 ISATPERIHELION to TRUE
modified A000 ROCKCOVER 1
added WATERICE A000 RESOURCEOFASTEROID
drilled A000
waterice sublimed A000
```

Ex.2. Checkwin - conditions achieved

- Description: Checks is winning is possible

Checked functionality: If on an asteroid 3 units are available from each mineral, the settlers win. .

- input

```
load test.txt
selectsettler s1
move 1
addmineral uranium(0)
addmineral uranium(0)
addmineral iron
addmineral iron
addmineral coal
addmineral coal
selectsettler s2
addmineral ice
addmineral ice
checkwin
```

- Expected output

```
loaded test.txt
```

settler s1 is now active
settler s1 moved to a2
settler s1 received one unit of uranium(0)
settler s1 received one unit of uranium(0)
settler s1 received one unit of iron
settler s1 received one unit of iron
settler s1 received one unit of coal
settler s1 received one unit of coal
settler s2 is now active
settler s2 received one unit of ice
settler s2 received one unit of ice
game won