

ALGORITHM AND PROGRAMMING

DEFINING INSTRUCTION



By:

DIMAS RISWANDA PRADANA PUTRA

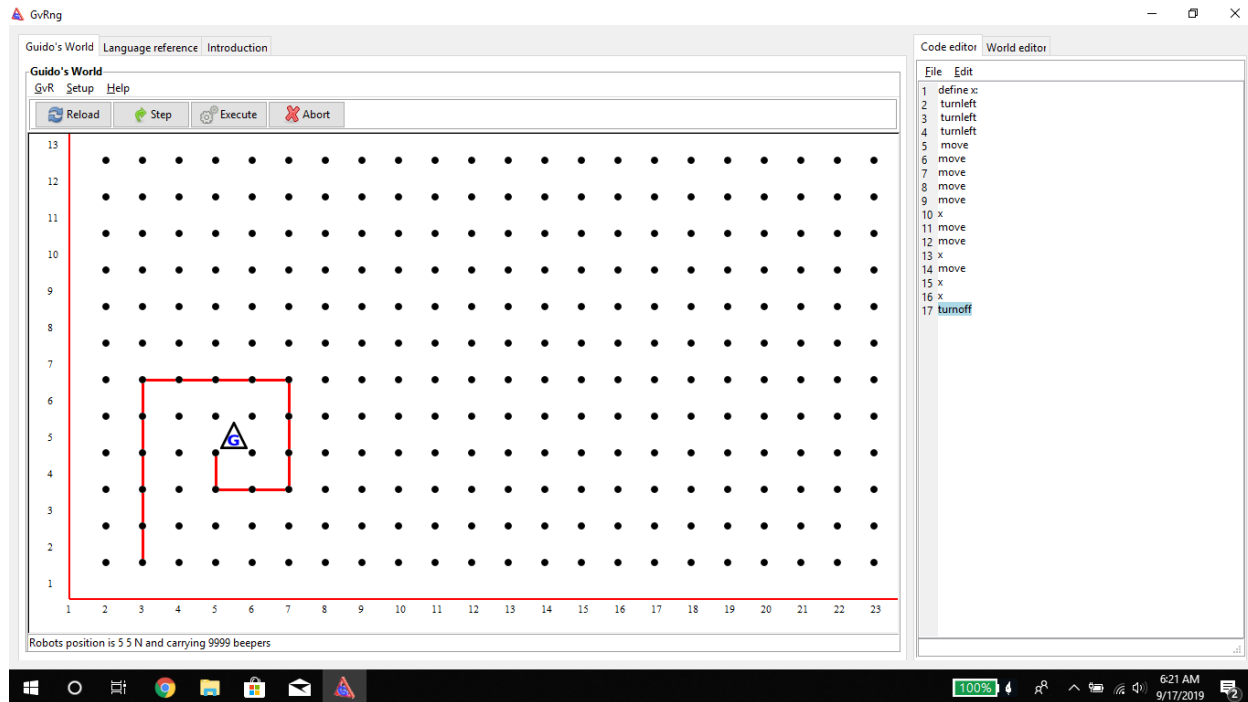
NIM: L200194011

INFORMATION TECHNOLOGY

FACULTY OF COMMUNICATION AND INFORMATICS

UNIVERSITY OF MUHAMMADIYAH SURAKARTA

Activity 1



Guido's World Language reference Introduction

Guido's World
GvR Setup Help

Reload Step Execute Abort

13
12
11
10
9
8
7
6
5
4
3
2
1

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

Robots position is 5 5 N and carrying 9999 beepers

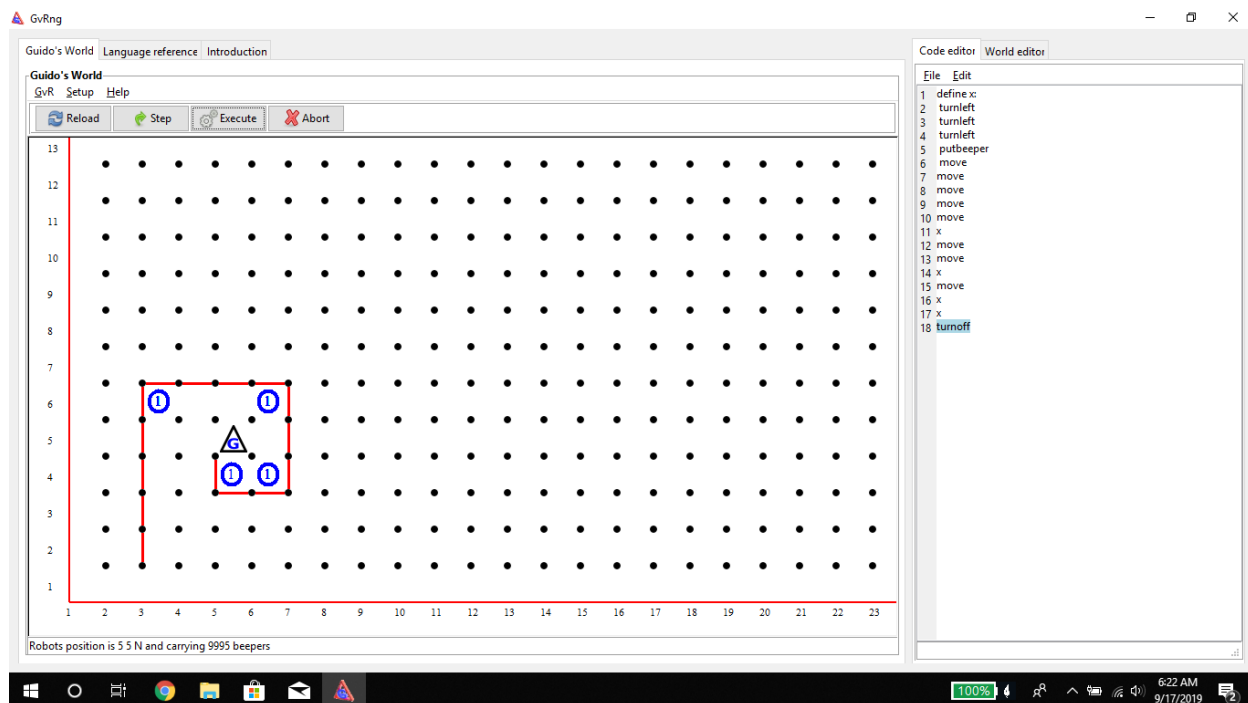
Code editor World editor

File Edit

```
1 define x  
2 turnleft  
3 turnleft  
4 turnleft  
5 move  
6 move  
7 move  
8 move  
9 move  
10 x  
11 move  
12 move  
13 x  
14 move  
15 x  
16 x  
17 turnoff
```

Windows taskbar: 100%, 6:21 AM, 9/17/2019

Activity 2



Guido's World Language reference Introduction

Guido's World
GvR Setup Help

Reload Step Execute Abort

13
12
11
10
9
8
7
6
5
4
3
2
1

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

Robots position is 5 5 N and carrying 9995 beepers

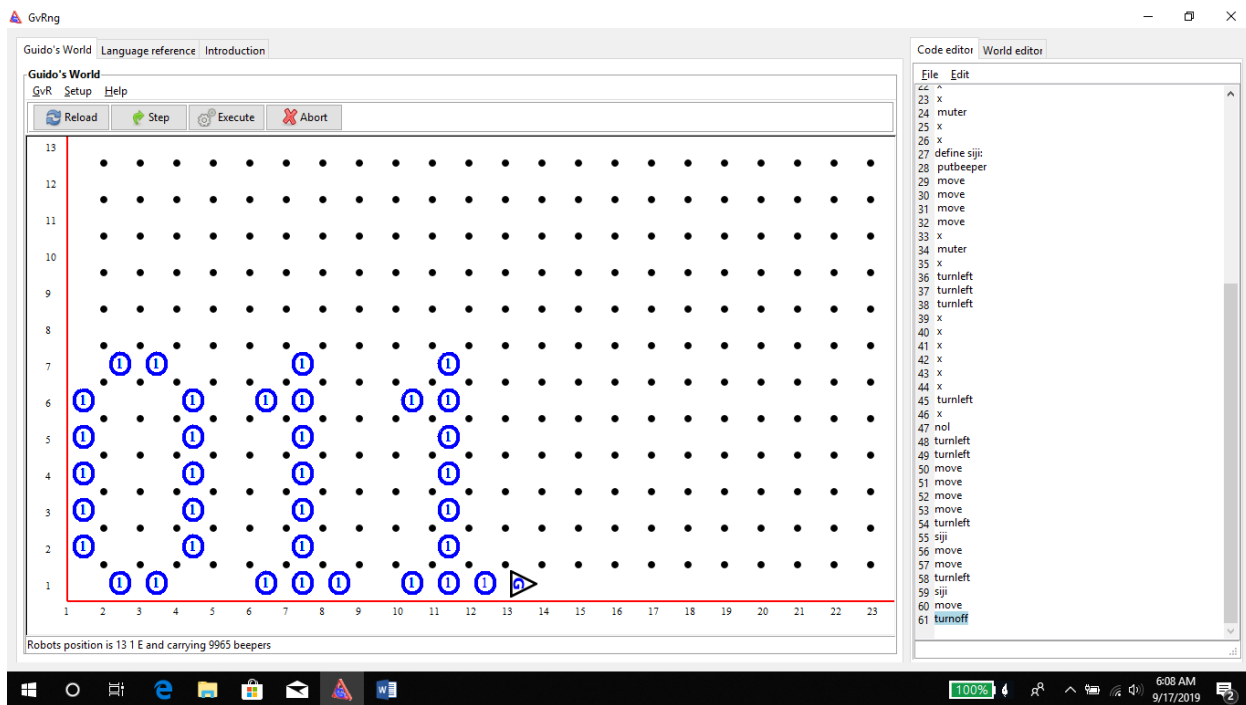
Code editor World editor

File Edit

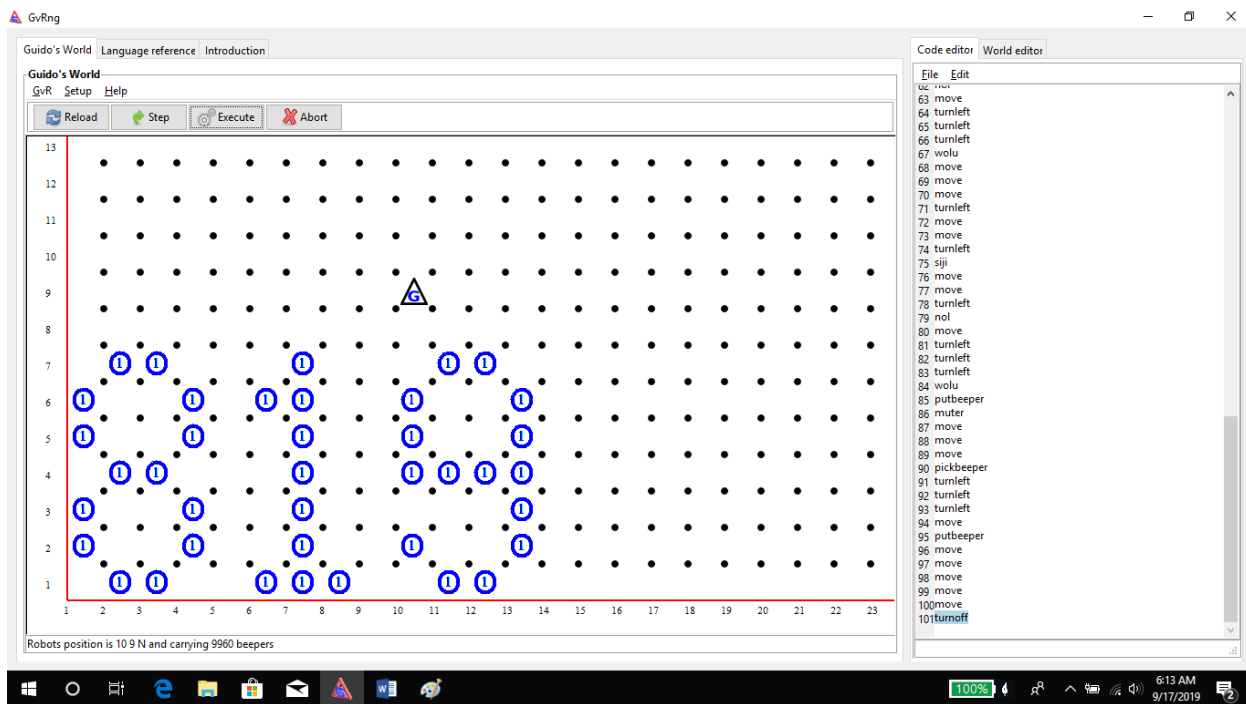
```
1 define x  
2 turnleft  
3 turnleft  
4 turnleft  
5 putbeeper  
6 move  
7 move  
8 move  
9 move  
10 move  
11 x  
12 move  
13 move  
14 x  
15 move  
16 x  
17 x  
18 turnoff
```

Windows taskbar: 100%, 6:22 AM, 9/17/2019

Activity 3



Activity 4



Activity 5

Guido's World

Language reference Introduction

Gr Setup Help

Reload Step Execute Abort

Robots position is 3 4 S and carrying 9995 beepers

Code editor

```

1 define x:
2   turnleft
3   turnleft
4   turnleft
5   putbeeper
6   move
7   define y:
8     move
9     move
10    x
11    move
12    y
13    y
14    y
15    y
16  turnleft
17  turnleft
18  turnoff

```

6:37 AM 9/17/2019

Activity 6

Guido's World

Language reference Introduction

Gr Setup Help

Reload Step Execute Abort

Robots position is 2 3 W and carrying 9993 beepers

Code editor

```

1 define x:
2   move
3   turnleft
4   move
5   turnleft
6   turnleft
7   putbeeper
8   move
9   turnleft
10  move
11  define y:
12    x
13    move
14    x
15    move
16    x
17  define belok:
18    turnleft
19    turnleft
20    turnleft
21    move
22    y
23    belok
24    move
25    belok
26    y
27    move
28    turnoff

```

6:48 AM 9/17/2019

