UMLClass Program Area --UMLClass Game World --UMLClass Program --UMLClass Grid -- height width **UMLClass**

Goal --

Wall --**UMLClass** Plug -- orientation **UMLClass** Cavity -- height **UMLClass** Socket -- orientation **UMLClass** Move Forward Block --

UMLClass

```
0
    872
    168
    56
Robot -- direction
Relation
    96
    688
    192
    200
lt=- m1=1 m2=0..1 < Contains
220.0;20.0;10.0;20.0;10.0;230.0
Relation
    336
    720
    64
    168
lt=- m1=1 m2=0..1 Contains
10.0;10.0;10.0;190.0
Relation
    432
    688
    184
    200
lt=-m1=1 m2=0..1 Contains >
10.0; 20.0; 190.0; 20.0; 190.0; 230.0
Relation
    344
    448
    56
    104
lt=- m1=1 m2=1 Shows
10.0;110.0;10.0;10.0
```

UMLClass

```
UMLClass
    272
    672
    168
    56
Cell -- position
Relation
    344
    584
    64
    104
lt=- m1=1..* m2=1 Contains
10.0;110.0;10.0;10.0
UMLClass
    1216
    392
    168
    56
Palette --
UMLClass
    1320
    936
    168
    56
Turn Right Block --
UMLClass
    1208
    1056
    168
    56
While Block --
```

UMLClass

```
1056
    168
   56
If Block --
UMLClass
   960
    1056
    168
    56
Not Block --
UMLClass
    896
   936
    168
    56
Wall In Front Block --
UMLClass
    1112
   936
    168
    56
Turn Left Block --
Relation
    1976
    440
    56
    88
lt=- m1=* m2=1 Shows
10.0;90.0;10.0;10.0
```

UMLClass

```
1216
    768
    168
    56
Block --
Relation
    968
    816
    280
    136
lt=<<-
330.0;10.0;10.0;150.0
Relation
    1032
    816
    232
    256
lt=<<-
270.0; 10.0; 70.0; 140.0; 70.0; 260.0; 10.0; 260.0; 10.0; 300.0
Relation
    1184
    816
    96
    136
lt=<<-
100.0;10.0;10.0;150.0
Relation
    1360
    816
    272
    136
lt=<<-
10.0;10.0;320.0;150.0
Relation
```

```
816
    224
    256
lt=<<-
10.0; 10.0; 210.0; 140.0; 210.0; 260.0; 260.0; 260.0; 260.0; 300.0
Relation
    1328
    816
    88
    136
lt=<<-
10.0;10.0;90.0;150.0
Relation
    1288
    816
    24
    256
lt=<<-
10.0;10.0;10.0;300.0
Relation
    912
    800
    320
    64
lt=-m1=0..2 m2=0..1 < Has
10.0; 50.0; 220.0; 50.0; 220.0; 10.0; 380.0; 10.0
Relation
    1104
    568
    128
    232
1t=-m1=0..1 m2=1 < Has
140.0;\!260.0;\!60.0;\!260.0;\!60.0;\!10.0;\!10.0;\!10.0
Relation
    984
```

```
128
lt=-m1=0..1 m2=1 < Has
10.0; 10.0; 130.0; 10.0; 130.0; 130.0; 290.0; 130.0
Relation
    1288
    440
    64
    344
lt=- m1=* m2=1 Contains
10.0;410.0;10.0;10.0
UMLClass
    1216
    112
    168
    56
Client Area --
Relation
    344
    136
    888
    280
lt=- m1=1 m2=1 Contains
10.0; 330.0; 10.0; 10.0; 1090.0; 10.0\\
Relation
    1288
    160
    64
    248
lt=- m1=1 m2=1 Contains
10.0;290.0;10.0;10.0
Relation
    1376
    136
    664
```

```
lt=- m1=1 m2=1 Contains 760.0;320.0;760.0;10.0;10.0;10.0
```

Relation

lt=- m1=1 m2=1 Has > 70.0;20.0;10.0;20.0;10.0;130.0

Relation

 $\begin{array}{l} lt\text{=-}\ m1\text{=}1\ m2\text{=}1 < Has \\ 80.0; 10.0; 80.0; 80.0; 10.0; 80.0; 10.0; 10.0; 10.0 \end{array}$

Relation

lt=- m1=* m2=1 < Contains 10.0;330.0;400.0;330.0;400.0;10.0;650.0;10.0

Relation

lt=- m1=1 m2=1 < Affects 10.0;460.0;10.0;790.0;2390.0;790.0;2390.0;10.0

Relation

lt=- m1=0..1 m2=0..1 Plugs-in > 10.0;420.0;10.0;20.0;340.0;20.0;340.0;90.0

Relation

 $\begin{array}{l} lt\text{=-}\ m1\text{=-}1\ m2\text{=-}1 < Contains} \\ 270.0;20.0;10.0;20.0;10.0;400.0 \end{array}$

Relation

lt=- m1=1 m2=1 Contains > 10.0;20.0;240.0;20.0;240.0;400.0