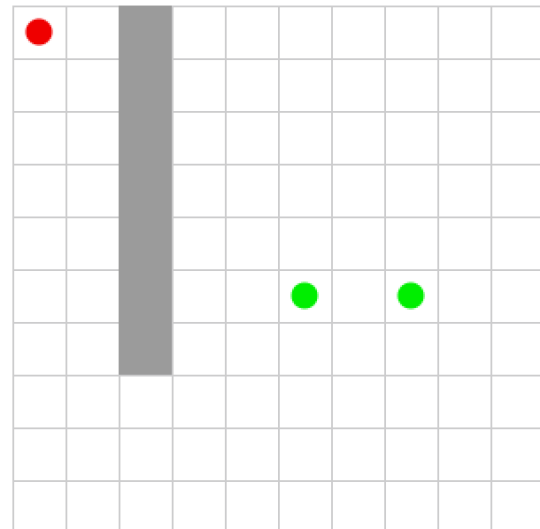


Puzzle 1

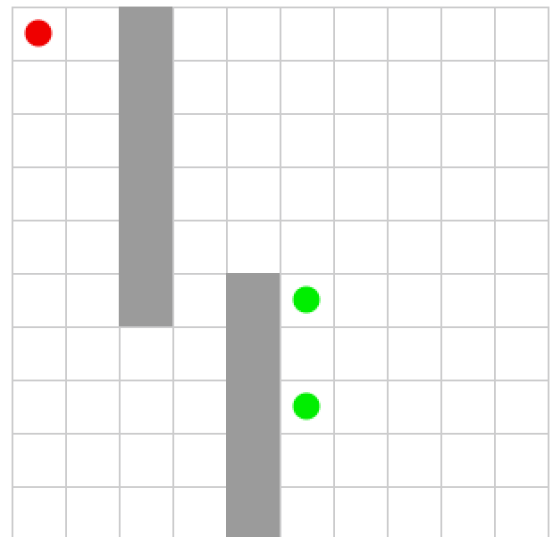
down
down
down
down
down
down
down
down
right
right
right
right
right
up
up
right
right



Actions: UP • DOWN • LEFT • RIGHT • GETCOLOR • SETCOLOR
Memory: save: VAR *NAME* = GETCOLOR • remember: SETCOLOR(*NAME*)
Control: IF • REPEAT IF (aka WHILE)

Puzzle 2

down
down
down
down
down
down
right
right
right
up
up
right
right
down
down
down



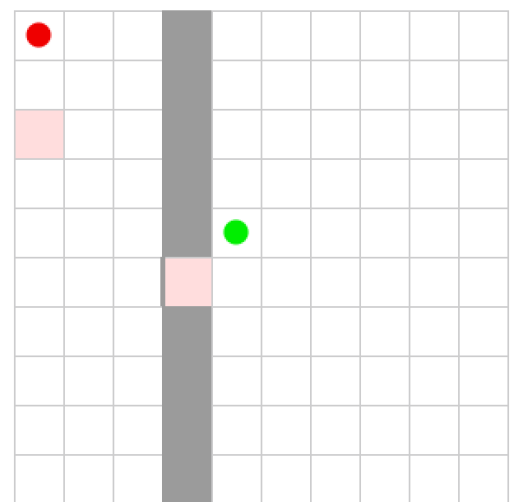
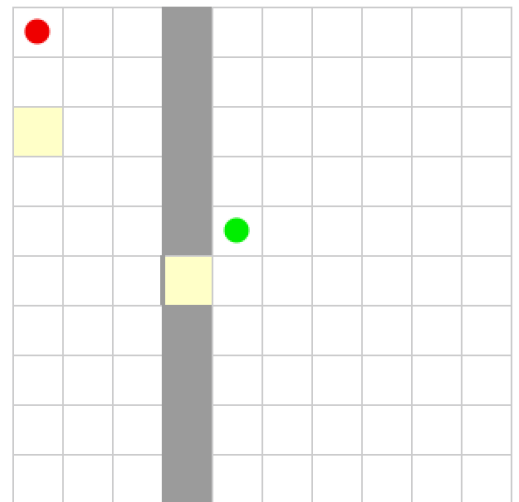
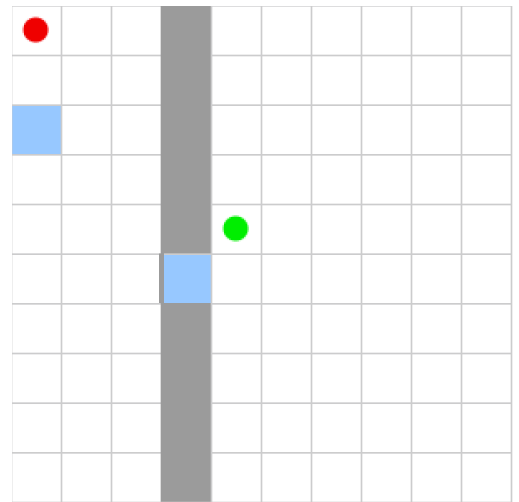
Actions: UP • DOWN • LEFT • RIGHT • GETCOLOR • SETCOLOR
Memory: save: VAR *NAME* = GETCOLOR • remember: SETCOLOR(*NAME*)
Control: IF • REPEAT IF (aka WHILE)

Puzzle 3

```

down
down
var colormem = getcolor
down
down
down
right
right
setcolor(colormem)
right
right
up

```



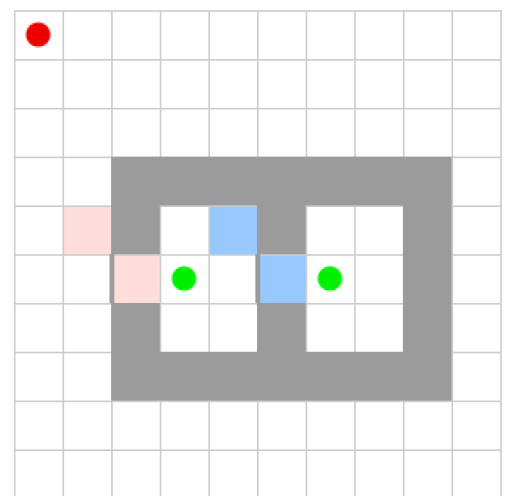
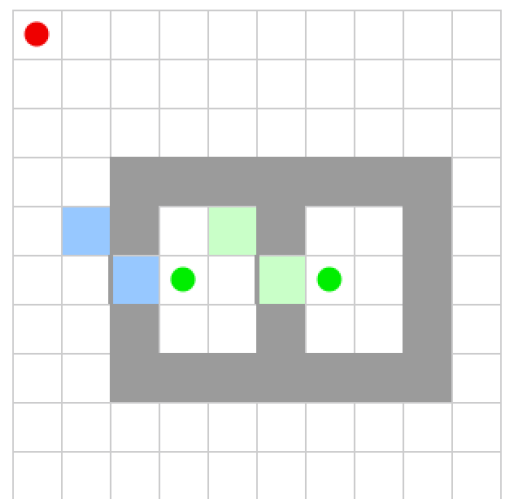
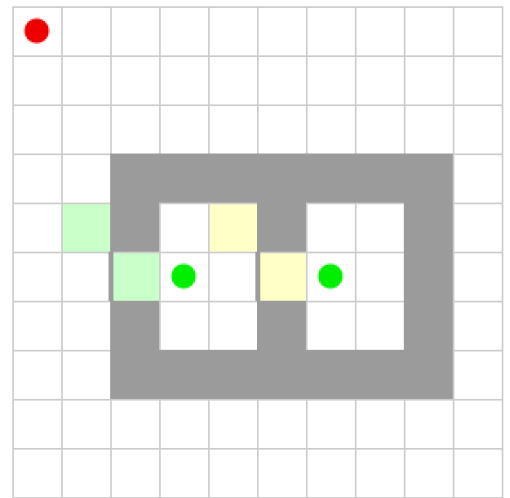
Actions: UP • DOWN • LEFT • RIGHT • GETCOLOR • SETCOLOR
Memory: save: VAR NAME = GETCOLOR • remember: SETCOLOR(NAME)
Control: IF • REPEAT IF (aka WHILE)

Puzzle 4

```

down
down
down
down
right
var colormem = getcolor
down
setcolor(colormem)
right
right
up
right
var colormem2 = getcolor
down
setcolor(colormem2)
right
right

```

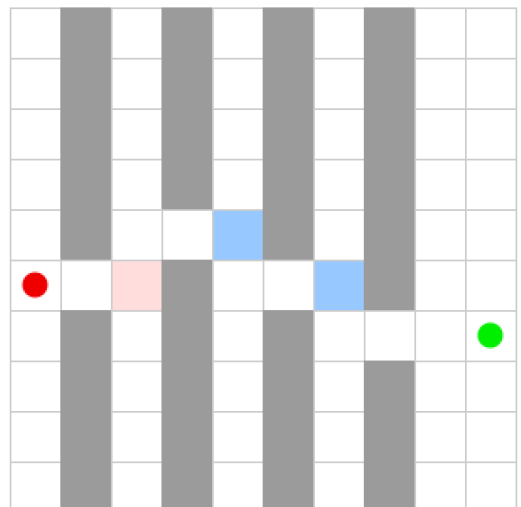
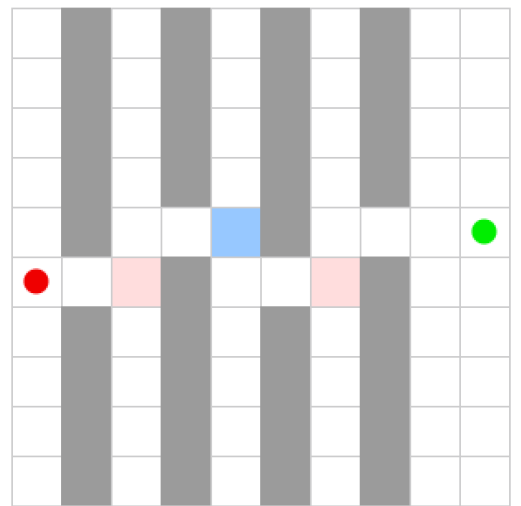
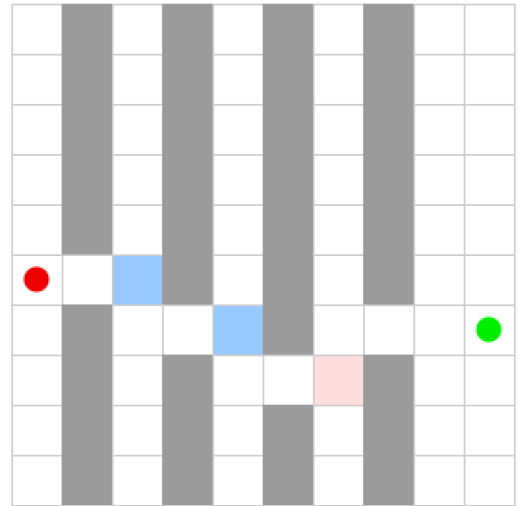


Actions: UP • DOWN • LEFT • RIGHT • GETCOLOR • SETCOLOR
Memory: save: VAR NAME = GETCOLOR • remember: SETCOLOR(NAME)
Control: IF • REPEAT IF (aka WHILE)

Puzzle 5

```
function ColorProcedure {
  if (getcolor == blue) {
    down
    right
    right
  }
  if (getcolor == red) {
    up
    right
    right
  }
}
```

```
right
right
ColorProcedure
ColorProcedure
ColorProcedure
right
```



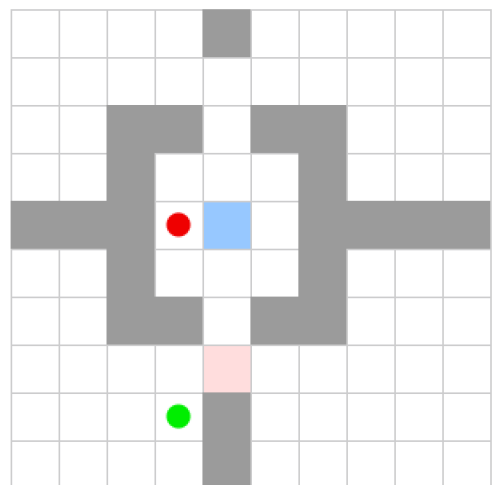
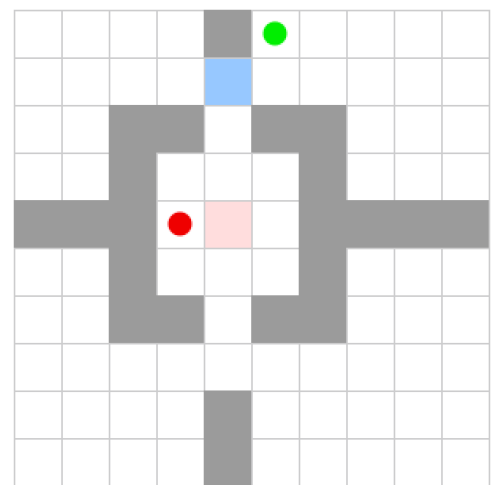
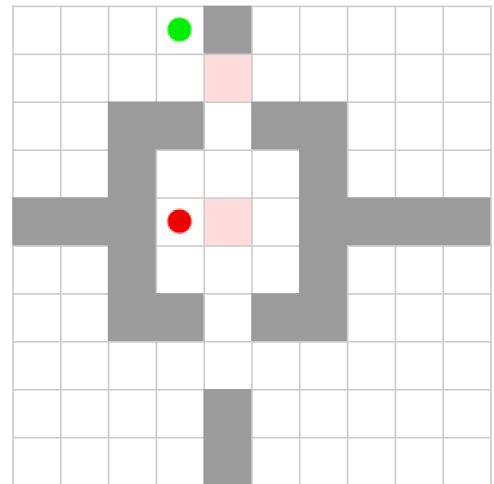
Actions: UP • DOWN • LEFT • RIGHT • GETCOLOR • SETCOLOR
Memory: save: VAR NAME = GETCOLOR • remember: SETCOLOR(NAME)
Control: IF • REPEAT IF (aka WHILE)

Puzzle 6

```

right
if (getcolor == red) {
    up
    up
    up
    if (getcolor == red) {
        left
        up
    }
    if (getcolor == blue) {
        right
        up
    }
}
if (getcolor == blue) {
    down
    down
    down
    if (getcolor == red) {
        left
        down
    }
}
}

```



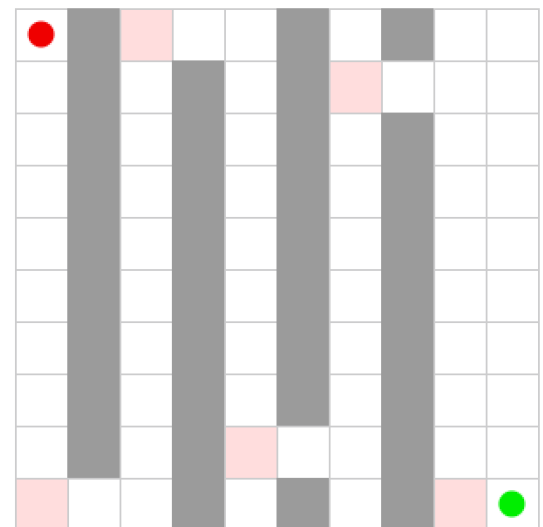
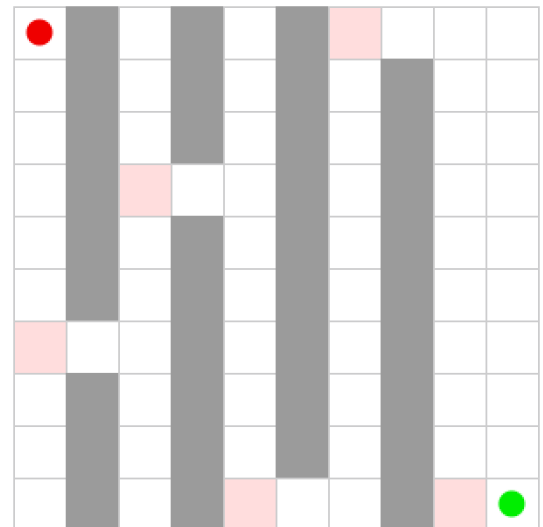
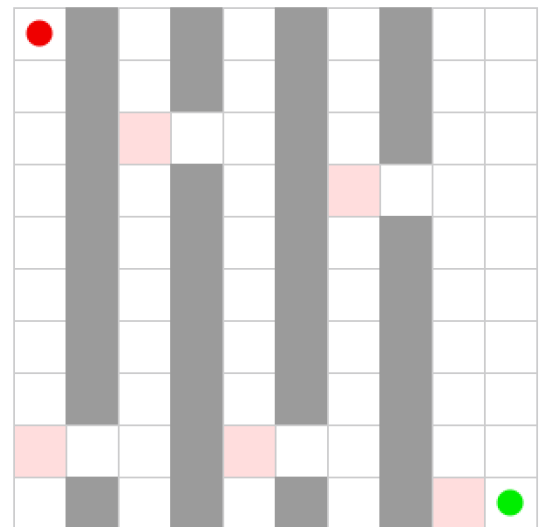
Actions: UP • DOWN • LEFT • RIGHT • GETCOLOR • SETCOLOR
Memory: save: VAR NAME = GETCOLOR • remember: SETCOLOR(NAME)
Control: IF • REPEAT IF (aka WHILE)

Puzzle 7

```

while (getcolor != red) {
  down
}
right
right
while (getcolor != red) {
  up
}
right
right
while (getcolor != red) {
  down
}
}
right
right
while (getcolor != red) {
  up
}
}
right
right
while (getcolor != red) {
  down
}
}
right

```

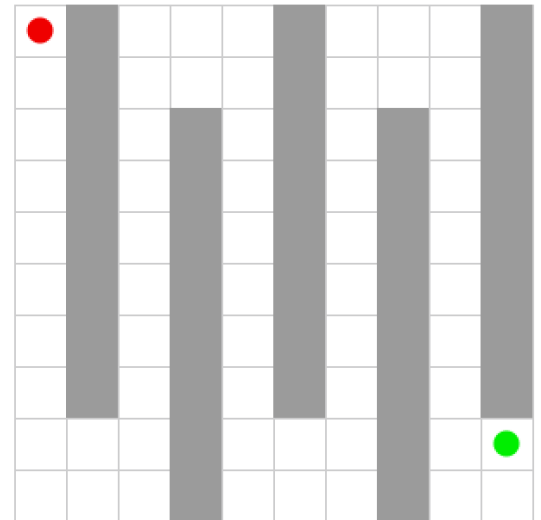


Actions: UP • DOWN • LEFT • RIGHT • GETCOLOR • SETCOLOR
Memory: save: VAR NAME = GETCOLOR • remember: SETCOLOR(NAME)
Control: IF • REPEAT IF (aka WHILE)

Puzzle 8

```
function down8 {
  var count = 8
  while (count > 0) {
    down
    count = count - 1
  }
function up7 {
  var count = 7
  while (count > 0) {
    up
    count = count - 1
  }
}
```

```
down8
right
right
up7
right
right
down8
right
right
up7
right
right
down8
right
```

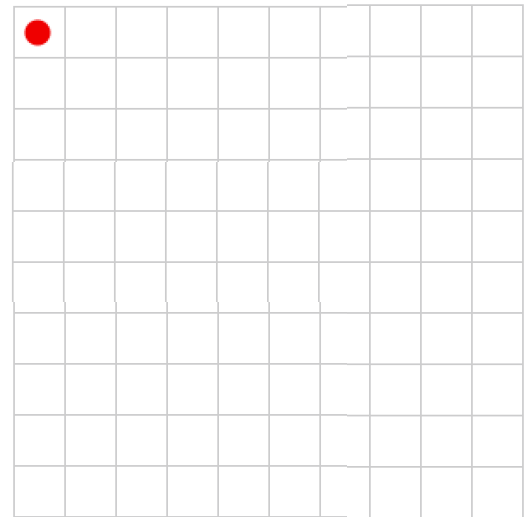


Actions: UP • DOWN • LEFT • RIGHT • GETCOLOR • SETCOLOR
Memory: save: VAR NAME = GETCOLOR • remember: SETCOLOR(NAME)
Control: IF • REPEAT IF (aka WHILE)

Puzzle 9

```
function DrawDown {  
    count = 9  
    while (count > 0) {  
        setcolor(BLUE)  
        down  
        count = count - 1  
    }  
}  
function DrawRight {  
    count = 9  
    while (count > 0) {  
        setcolor(BLUE)  
        right  
        count = count - 1  
    }  
}  
function DrawUp {  
    count = 9  
    while (count > 0) {  
        setcolor(BLUE)  
        up  
        count = count - 1  
    }  
}  
function DrawLeft {  
    count = 9  
    while (count > 0) {  
        setcolor(BLUE)  
        left  
        count = count - 1  
    }  
}
```

DrawDown
DrawRight
DrawUp
DrawLeft



Write code that draws the
border of a rectangle.

Actions: UP • DOWN • LEFT • RIGHT • GETCOLOR • SETCOLOR
Memory: save: VAR NAME = GETCOLOR • remember: SETCOLOR(NAME)
Control: IF • REPEAT IF (aka WHILE)