**matatalab matatabot \* swift playground**

|  |  |  |  |
| --- | --- | --- | --- |
| **笔记本：** | 项目x |  | |
| **创建时间：** | 2018/12/29 9:28 | **更新时间：** | 2018/12/29 10:25 |
| **作者：** | [srx03ster@gmail.com](mailto:srx03ster@gmail.com) |  |  |

（核心体验与wonder及mbot相同，共7个关卡） **1.Matatabot's forward path**

**Goal：command Matatabot to walk along the map path.**

**Command Matatabot to move on the map and to arrive at the destination by programming .**

**Call moveForward（）,turnRight（）, turnLeft（）and some** **other basic motion function.**

（右侧放一张地图，小车从A1朝上出发，路径为：向前，向右，向前，向左，向前，向前，走到目的地B4。需设计）

**2.Matatabot's maze No.1**

**Goal：Lead Matatabot to bypass obstacles and go out of the maze No.1 Obsacles appear on the map, find the path to bypass them.**

**Call moveForward（）,turnRight（）,turnLeft（）, and moveBackward（）basic Motion funtion to arrive at the destination.**

（迷宫Stage2-1）

**3.Matatabot's maze No.2**

**Goal：Lead Matatabot to bypass obstacles and go out of the maze No.2 .**

**Try using moveFoward(3) and see how Matatabot will move.**

（从A1出发到D4，在A1 A2右侧有障碍物）

**4.Matatabot's maze No.3**

**Goal：Lead Matatabot to bypass obstacles and go out of the maze No.2 .**

**Try using Loop.**

**例子：**

**重复执行（3）{前进（3） 右转）}**

**（迷宫stage3-1）**

**5.Matatabot can sing**

**Goal：let Matatabot play music.**

**Matatabot is happy to sing! Use music instruction to sing.**

**例子：**

**小星星音乐的程序**

**（自由创作音乐）**

**6.Matatabot can draw**

**Goal：let Matatabot draw.**

**In motion, Matatabot can turn to more angles. Using Motion, Digital Parameters, Angle Parameters, Loops and some other blocks to let Matatabot pick up brush and create drawings.**

**例子：**

**五角星的程序**

**（自由创作图案）**

**7.Creat your own Matatabot stories.**

**Write your own program and let Matatabot move!**