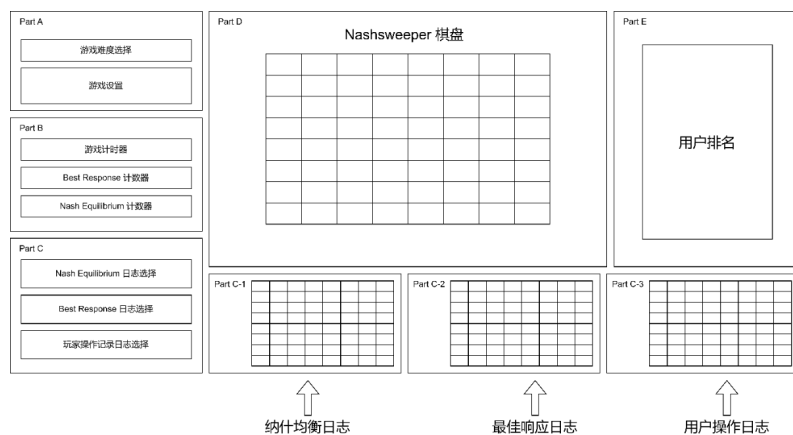


Nashsweeper User Manual

1. Nashsweeper 界面认识



2. 用户数据上传



http://<ns_server_IP>:5000/UploadPage/uploadfile

支持Database/CSV/List格式输入

3. 游戏规则说明

Nashsweeper的目的只有一个，用最快速度找到棋盘中的所有纳什均衡点！

棋盘中的单元格有如下染色方式：

单元格显示状态 (Displace of Cells)	描述 (Description)
	(Unrevealed) 单元格尚未被点击
	(Revealed) 单元格已被点击
	(BR) 单元格已被点击，且为最佳响应
	(NE) 单元格已被点击，且为纳什均衡

当点击一个Unrevealed单元格时

[76, 97]	[72, 67]	[25, 84]	[73, 46]	[93, 20]	[12, 44]	[68, 93]	[20, 87]
[43, 24]	[68, 44]	[62, 97]	[72, 66]	[96, 16]	[42, 3]	[14, 44]	[51, 37]
[63, 40]	[76, 86]	[43, 66]	[13, 63]	[6, 92]	[15, 15]	[68, 19]	[69, 77]
[48, 90]	[29, 43]	[75, 93]	[18, 70]	[0, 31]	[99, 96]	[5, 71]	[4, 5]
[50, 68]	[69, 52]	[22, 59]	[57, 37]	[60, 5]	[1, 93]	[55, 64]	[45, 51]
[46, 18]	[87, 12]	[32, 0]	[37, 85]	[43, 3]	[70, 93]	[53, 62]	[26, 18]
[80, 8]	[85, 13]	[54, 80]	[37, 43]	[23, 11]	[91, 48]	[85, 57]	[53, 25]
[71, 90]	[35, 57]	[87, 98]	[57, 32]	[41, 25]	[28, 94]	[100, 14]	[68, 53]

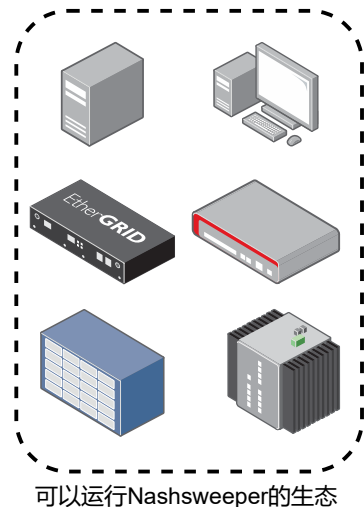
当点击一个NE单元格时

[76, 97]	[72, 67]	[25, 84]	[73, 46]	[93, 20]	[12, 44]	[68, 93]	[20, 87]
[43, 24]	[68, 44]	[62, 97]	[72, 66]	[96, 16]	[42, 3]	[14, 44]	[51, 37]
[63, 40]	[76, 86]	[43, 66]	[13, 63]	[6, 92]	[15, 15]	[68, 19]	[69, 77]
[48, 90]	[29, 43]	[75, 93]	[18, 70]	[0, 31]	[99, 96]	[5, 71]	[4, 5]
[50, 68]	[69, 52]	[22, 59]	[57, 37]	[60, 5]	[1, 93]	[55, 64]	[45, 51]
[46, 18]	[87, 12]	[32, 0]	[37, 85]	[43, 3]	[70, 93]	[53, 62]	[26, 18]
[80, 8]	[85, 13]	[54, 80]	[37, 43]	[23, 11]	[91, 48]	[85, 57]	[53, 25]
[71, 90]	[35, 57]	[87, 98]	[57, 32]	[41, 25]	[28, 94]	[100, 14]	[68, 53]

当点击一个BR单元格时(76, 97)

NS的跨平台部署

Nashsweeper支持多平台部署，我的目标是有芯片的地方就可以运行Nashsweeper（目前支持x86架构服务器、个人计算机、M2芯片MacBook，如果你足够能折腾的话，也可以在如下设备上部署它：家用NAS、STM32芯片的机顶盒，Raspberry Pi.....）



Step 1: Git NS官方仓库

git clone https://gitee.com/qian_zehao/nashsweeper.git

Step 2: 安装Docker和docker-compose

Step 3: sudo docker-compose build

Step 4: sudo docker-compose up -d

面向工业和数据科学

Nashsweeper用于计算博弈双方NE和BR的核心计算引擎，亦可用于数据科学领域，以及工业场景中，处理超大规模纯策略纳什均衡问题，扫描下方二维码，为Nashsweeper core在Jupyter Notebook中的调用

Nashsweeper for Industry

