

# Judge\_dxh 使用教程

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制作 by 邓熙涵

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下载整个文件：[https://github.com/xhDeng19/Judge\\_dxh\\_Battle\\_of\\_Slimes/archive/refs/heads/main.zip](https://github.com/xhDeng19/Judge_dxh_Battle_of_Slimes/archive/refs/heads/main.zip)

## 0.文件结构

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```
judge_dxh
|- Windows
|   |- task1
|   |   |- judge_dxh.py
|   |   |- Task1.exe
|   |   |- data
|   |       |- 1.in
|   |       |- 2.in
|   |       |- ...
|   |
|   |- task2
|   |   |- judge_dxh.py
|   |   |- Task2.exe
|   |   |- data
|   |       |- 1.in
|   |       |- 2.in
|   |       |- ...
|   |
|   |- task3
|   |   |- judge_dxh.py
|   |   |- Task3.exe
|   |   |- data
|   |       |- 1.in
|   |       |- 2.in
|   |       |- ...
|- macOS
|   |- task1
|   |   |- judge_dxh.py
|   |   |- data
|   |       |- 1.in
|   |       |- 1.out
|   |       |- ...
```

```
| | - task2
| | | - judge_dxh.py
| | | - data
| | |   - 1.in
| | |   - 1.out
| | |   - ...
| |
| | - task3
| | | - judge_dxh.py
| | | - data
| | |   - 1.in
| | |   - 1.out
| | |   - ...
```

## 1. 注意事项

1. 如果你使用的是Windows/macOS系统，请用Windows/macOS文件夹下的程序。
2. 此测评程序仅针对Project1的task1、task2和task3。
3. 提交作业时记得删掉该测评程序的所有文件。
4. 测试时，需将所有的.cpp文件与所有的.h文件放到同一个文件夹下
5. 每个task里面的data文件夹均不一样，不能替换成其他task的data文件夹。
6. 每个data文件夹下的your\_output\_files文件夹用来存放每次运行后你的程序输出的结果，在首次运行前不存在。
7. 每个data文件夹下的\*.in文件为测试所用案例，均用data generator生成。运行程序后每个data文件夹下的\*.out文件为官方提供的二进制程序的输出结果（注意没有第一次slime的血量输出）。
8. 此程序提供的案例的结果必须是获胜、平局或失败，无法评测一个尚未终止的对局。
9. 此程序不会检测第一次slime的血量输出，因二进制程序没有第一次slime的血量输出，无法保证案例的准确性。
10. 如果你的程序输出Time Out!，则证明程序运行超时，即没有达到获胜、平局或失败，请检查你的代码逻辑。
11. 如果有错误或者有好的案例请联系 DanielDeng12321@163.com。

## 2. 使用说明

以Windows下的task3为例 (macOS程序中无Task.exe文件，运行结束后多了compile文件夹，记得删除即可)

1. 将 judge\_dxh/Project1/task3 下的全体移动至你的 P1-姓名-任务3 文件夹下，如下

```
P1-姓名-任务3
|- judge_dxh.py
|- Task3.exe
|- data
|  |- 1.in
|  |- 2.in
|  |- ...
```

```
| - main.cpp  
| - *.cpp  
| - *.h  
| - ...
```

2. 在当前目录打开cmd，输入 `python judge_dxh.py` 并回车，P1-姓名-任务3 文件夹变为如下

```
P1-姓名-任务3  
| - judge_dxh.py  
| - Task3.exe  
| - data  
|   | - your_output_files  
|     | - 1.out  
|     | - 2.out  
|     | - ...  
|   | - 1.in  
|   | - 1.out  
|   | - 2.in  
|   | - 2.out  
|   | - ...  
|  
| - main.cpp  
| - *.cpp  
| - *.h  
| - ...
```

- 若cmd输出 `1.out is correct`，则证明你的程序成功编译且第一个案例完全正确
- 若cmd输出 `1.out is WRONG. Compare data/1.out and data/your_output_files/1.out to find out.`，则证明你的程序成功编译但第一个案例输出有误，cmd窗口中会显示具体的错误和错误所在的行数，如下（案例来自一个复活的slime的血量均为50的小朋友）

```
C:\Windows\System32\cmd.e  X + v

11.out is correct.
12.out is correct.
13.out is WRONG. Compare data\13.out and data\your_output_files\13.out to find out.

Detail:
line 69:
Correct answer: Your Green: HP 50 || Enemy's Green: HP 55
Your answer: Your Green: HP 50 || Enemy's Green: HP 50

line 79:
Correct answer: Your Green: HP 50 || Enemy's Green: HP 55
Your answer: Your Green: HP 50 || Enemy's Green: HP 50

line 89:
Correct answer: Your Blue: HP 90 || Enemy's Green: HP 45
Your answer: Your Blue: HP 90 || Enemy's Green: HP 40

line 94:
Correct answer: Your Green: HP 40 || Enemy's Green: HP 45
```

- 若cmd输出其他提示，则证明你的程序**编译失败**或者命令行输入有误，请检查你的文件是否完好，你的程序是否含有bug，你当前的目录是否正确
3. 如果你的程序输出**Time Out!**，则证明程序**运行超时**（见下图），即没有达到**获胜、平局或失败**，请检查你的代码逻辑。更改 judge\_dxh.py 程序里的 **TIMEOUT = 2** 语句（单位为秒）**没有实质性作用**，因为提供的测试案例都是达到**获胜、平局或失败**的对局。

```
1.out is WRONG. Compare data\1.out and data\your_output_files\1.out to find out.
Detail:
line 1:
Correct answer: Welcome to Battle of Slimes!
Your answer: Time Out!

2.out is WRONG. Compare data\2.out and data\your_output_files\2.out to find out.
Detail:
line 1:
Correct answer: Welcome to Battle of Slimes!
Your answer: Time Out!

3.out is WRONG. Compare data\3.out and data\your_output_files\3.out to find out.
Detail:
line 1:
Correct answer: Welcome to Battle of Slimes!
Your answer: Time Out!

4.out is WRONG. Compare data\4.out and data\your_output_files\4.out to find out.
Detail:
line 1:
Correct answer: Welcome to Battle of Slimes!
Your answer: Time Out!
```