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## 1 Esempi di input

- fsg 2022

ID: 450

### Question: 9

Driverless skidpad results:

The given table shows the results of the driverless FSE skidpad event. Only the shown six teams are part of the competition.

Calculate the points for the team from the „Alpaca Technical University“ for normal driverless mode FSE skidpad scoring and for the Driverless Cup skidpad scoring! Round the solution to one decimal place. Give the solution in the following format: Driverless FSE Scoring, Driverless Cup Scoring, e.g. 1.2, 3.4

All times are in seconds:

Car	City/University	1st Run Left	1st Run Right	1st Run Cones	2st Run Left	2st Run Right	2st Run Cones
29	Sloth UAS	5.498	5.359	0	5.697	5.212	0
69	Rhino U	5.989	5.488	5	5.618	5.413	5
54	Skunk TU	5.138	5.283	2	5.145	5.031	0
35	Alpaca TU	5.371	5.522	3	5.487	5.202	0
188	Rabbit UAS	6.197	6.334	0	5.829	5.721	1
63	Monkey DHBW	5.570	5.519	0	4.999	4.883	0

- fsg dv 2017

ID: 387

### Question: 6

The best skidpad time of your team is 5.2s additionally you have knocked down two cones, the fastest team without hitting any cones did it in 5.1s. What is the skidpad score of your team?  
Answer in points and round to 2 decimal places.

- ☐ 37.62  
☐ 63.93  
☐ 67.43  
☐ 41.12  
☐ 64.47  
☐ 67.97

## 1.1 Non driverless ma ce li facciamo andare bene

- fsa 2019

ID: 22

### Question: 2

Skidpad Scoring: Your team's best runtime is 6.25s, the overall best time is 5s. How many points do you score?  
Please use the following format: 12.34

- fsa boh

ID: 647

### Question: 1

**Autocross Scoring:** Competing in the FSA 2023 autocross event, your team achieves the following run times: The fastest time in your class is 00:58.49. What is your final autocross score? Round your result to the nearest integer.

Run	Time	Cones (DOO)
1	01:06.37	0
2	01:04.28	0
3	01:05.62	0
4	01:02.41	1

- ☐ 72 points  
☐ 57 points  
☐ 83 points  
☐ 56 points

ID: 656

### Question: 10

**Skid Pad Scoring:** As every year, all teams arrived late to the FSA skid pad event, and only you and two other cars managed to put down a time. Your time was 4.926s, the other two cars did 5.103s and 4.756s. What is your skid pad score?

- ☐ 61.5  
☐ 58.0  
☐ 12.8  
☐ 48.9

## 2 API

l'api è ricalcata sugli esempi di input sopra messi

### 2.1 Penalità

i tempi le penalità non sono cazzi dello script per adesso, quindi vanno aggiunte manualmente (poi aggiungo un **\*\*kwargs** con **cones=** e company)

#### 2.1.1 Descrizioni lunghe se sei un coglione

- |        |  |
|--------|--|
| D9.1.1 | Penalties will not be assessed for accident avoidance or other reasons deemed sufficient by the officials.   |
| D9.1.2 | A cone is Down or Out (DOO) if the cone has been knocked over or the entire base of the cone lies outside the box marked around the cone in its undisturbed position.  |
| D9.1.3 | Cones that are DOO are not replaced/reset during autonomous running. There will be no re-run due to cones in the driving path or disorientation due to missing cones.  |
| D9.1.4 | The DOO penalty (see D9.1.7) is added for each DOO including entry and exit gate cones before the start and after the finish line, that occur on that particular run.  |
| D9.1.5 | Off-Course (OC) <ul style="list-style-type: none"><li>• An OC occurs when the vehicle has all four wheels outside the track boundary as indicated by edge marking.</li><li>• Missing one or more gates of a given slalom at autocross or endurance is counted as one OC per occurrence.</li><li>• When an OC occurs, the driver must re-enter the track at the next possible point.</li><li>• When re-entering the driver needs to wait for a gap and follow the instructions of the track marshals.</li></ul> |
| D9.1.6 | An Unsafe Stop (USS) is defined as not stopping within the specified area and/or not entering the finish-state described in T14.9 within 30 s after stopping during autonomous running.  |

#### 2.1.2 Abbreviazioni

**DOO** down or out (pija cono e volare via)

**Off Course** fuori pista

**USS**<sup>1</sup> Unsafe Stop

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<sup>1</sup>R

## 2.2 Penalità da aggiungere

	Acceleration	Skidpad	Autocross	Endurance	Trackdrive
DOO	2 s	0.2 s	2 s	2 s	2 s
OC	DNF	DNF	10 s	10 s	10 s
USS	DNF	DNF	DNF	n/a	−50 points

importi lo script, poi nella shell

## 2.3 FS

### 2.3.1 Skidpad

```
fs_dc_skidpad_score(fastest:float, team:float) -> float
```

## 2.4 Germania

## 2.5 Austria

## 2.6 East

## 2.7 Ceca