

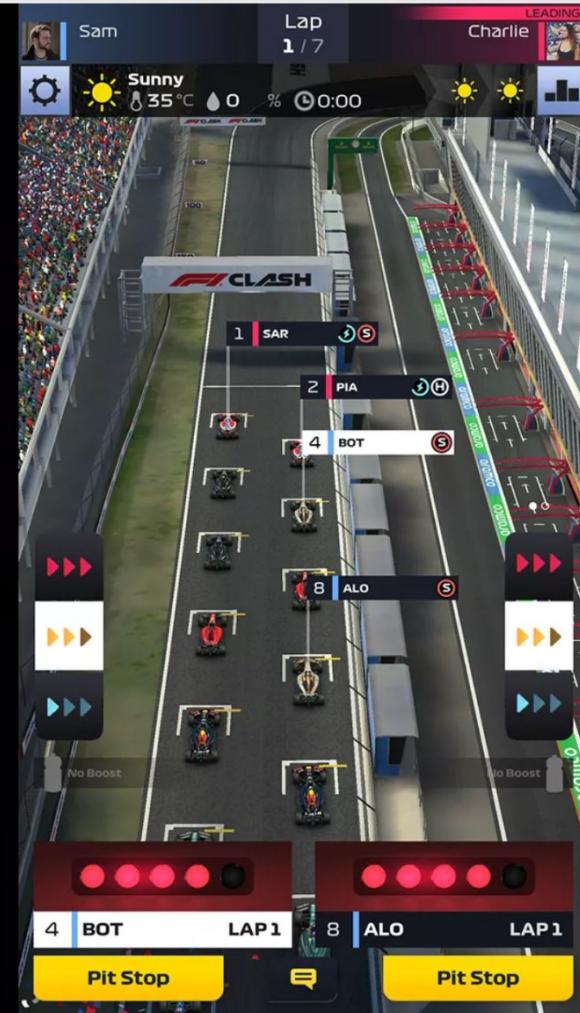
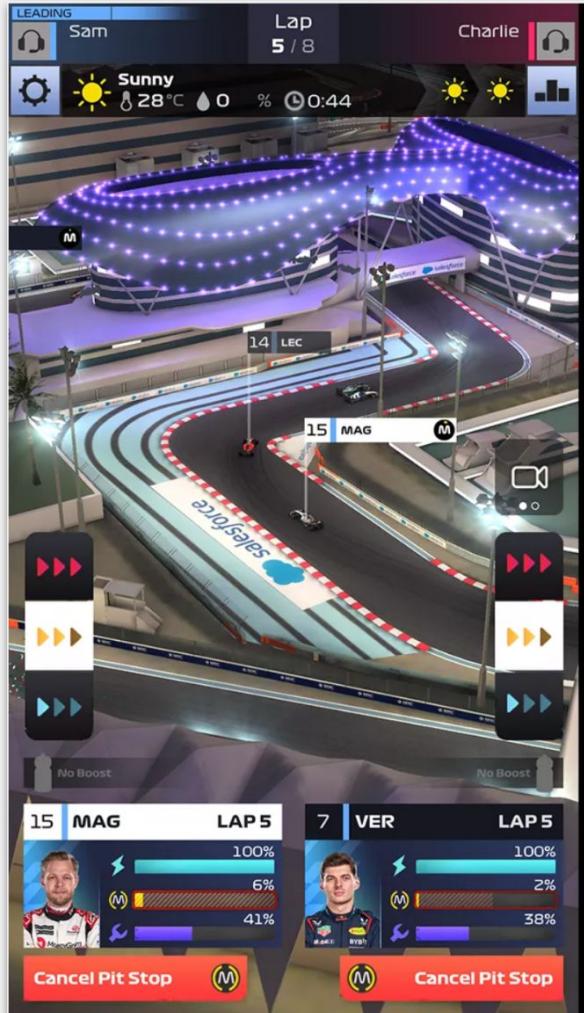
F1® CLASH

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CLASH

Compete in thrilling 1v1 races with the toughest rival
race drivers from around the world.







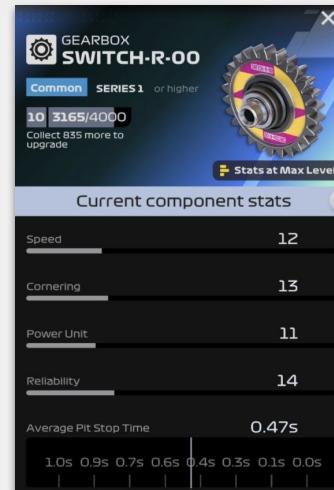
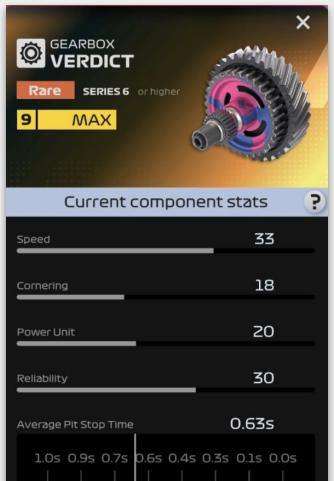
Configuring a setup

$$\min(\lceil x \rceil, 220)$$

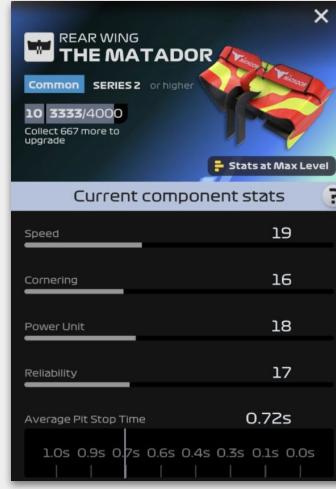
Breaks



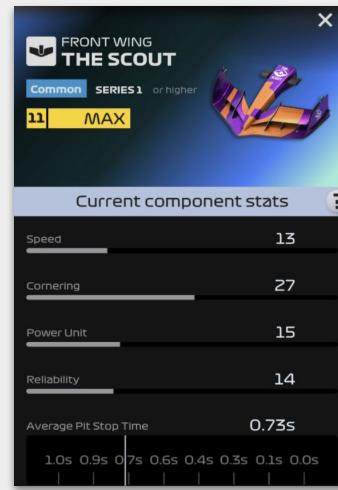
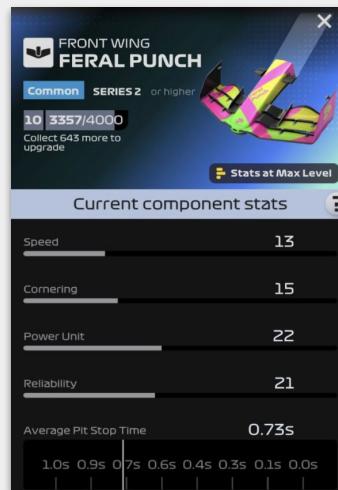
GearBox



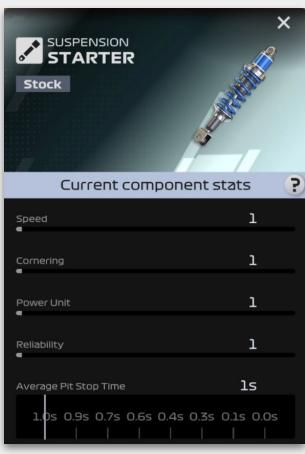
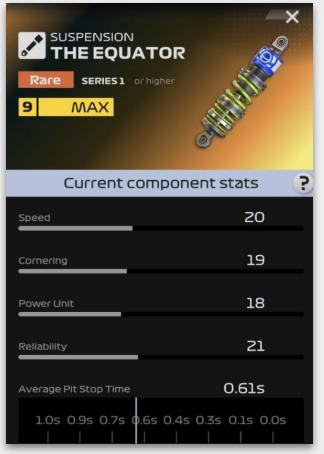
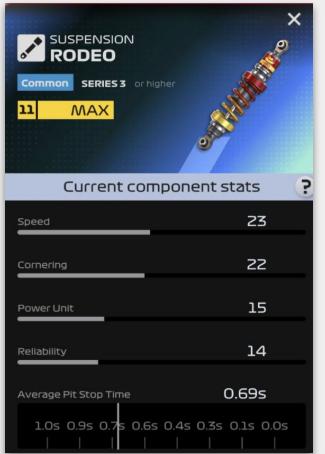
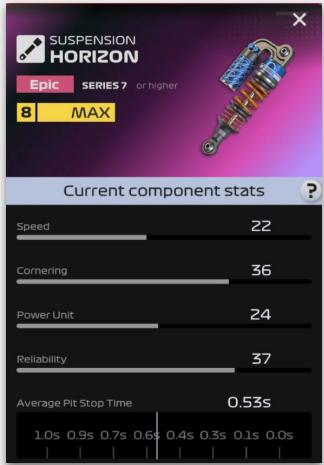
Rear wing



Front wing

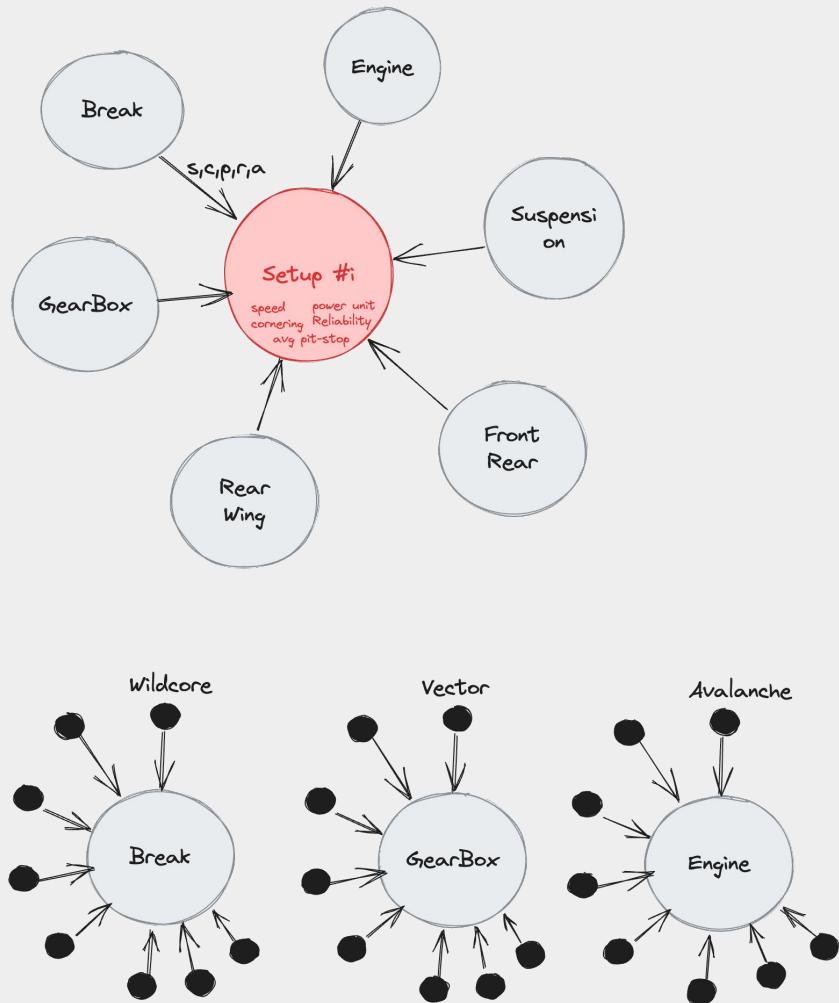


Suspension

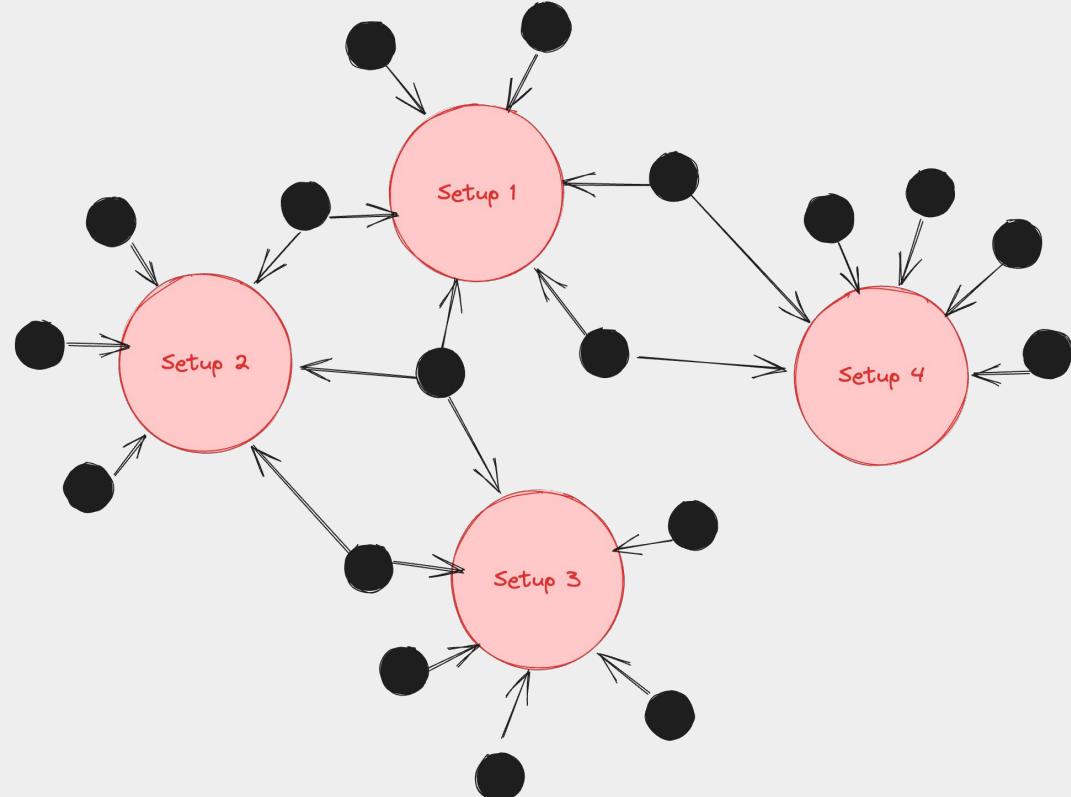


Engine





$8^6 = 262,144$
combinations

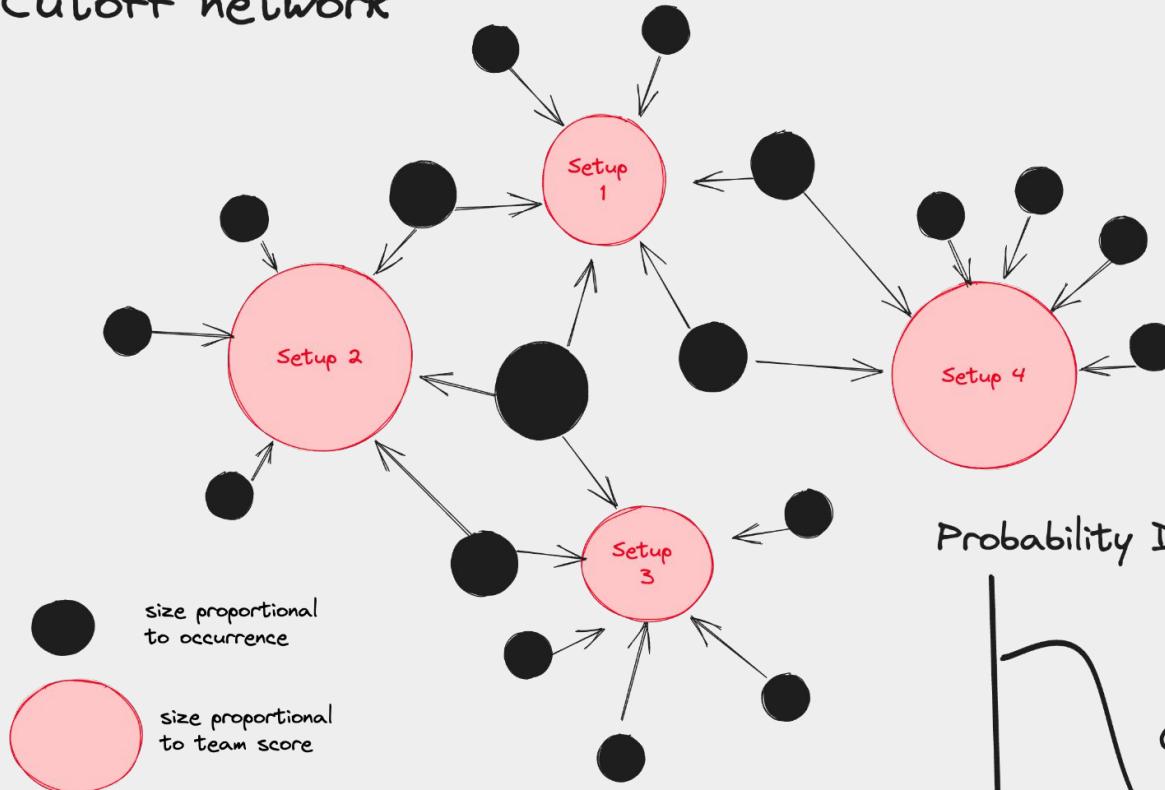


Team Score = speed + cornering + power unit + reliability +
(avg pit stop)/0.02

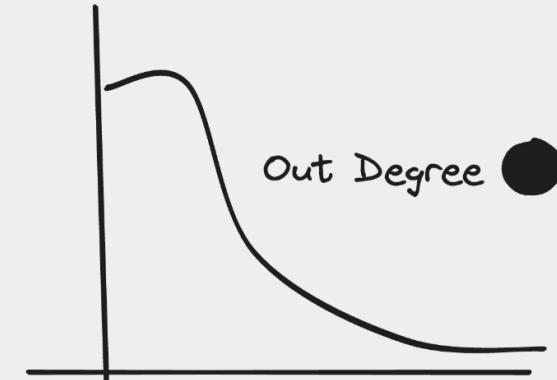


Task #01 (1,0 point) -> generate figure + explanation

Cutoff network



Probability Distribution Function (PDF)



Task #02 (2,0 points) -> generate figures (graph, pdf) + explanation



Tsar



Frost



Tulip



Dragon



Kawaii



Pretzel



Vice



Schooner



Djinn



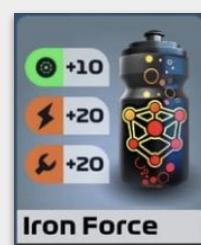
Oud



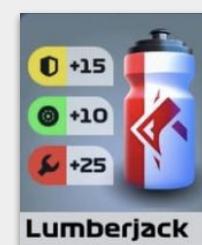
Eternal Flame



Eagle



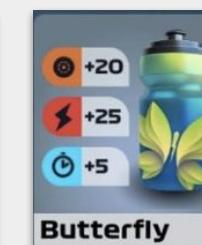
Iron Force



Lumberjack



Cranberry



Butterfly



Tune-in



Self-Control



Warrior



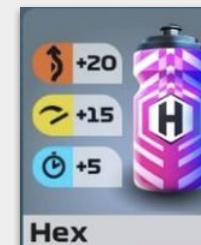
Ballast



Instinct



Downforce



Hex



Eggception



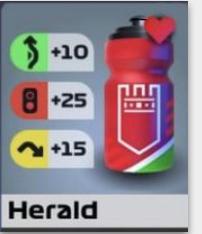
Rooster



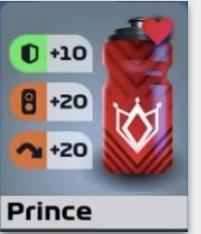
Cuppa



Street Shark



Herald



Prince



Unstoppable



Dead Fast



Gladiator



Taurus



Merlion



Samba



Caveira



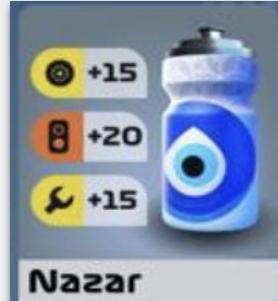
Fogos



Movember®



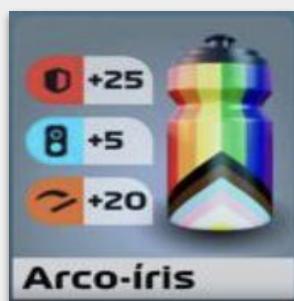
Palmeira



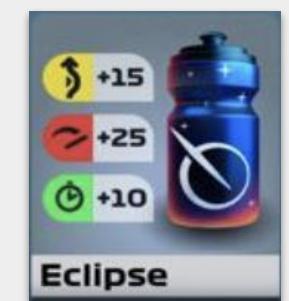
Nazar



Aderênciia



Arco-íris

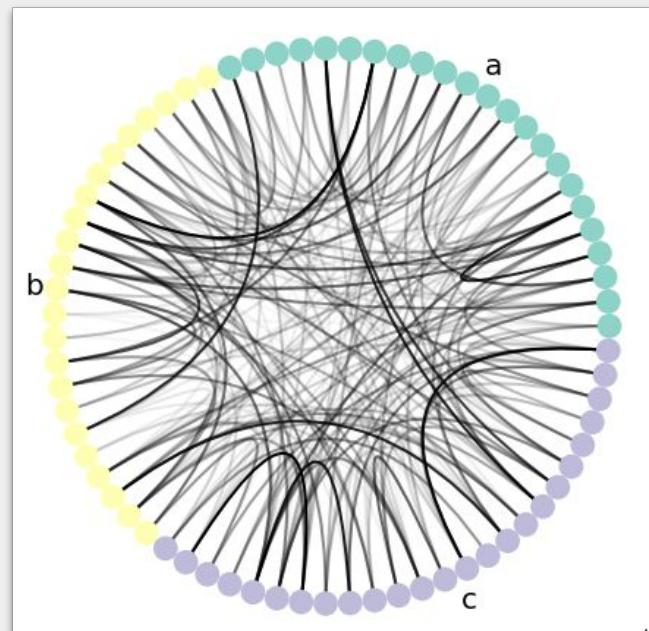
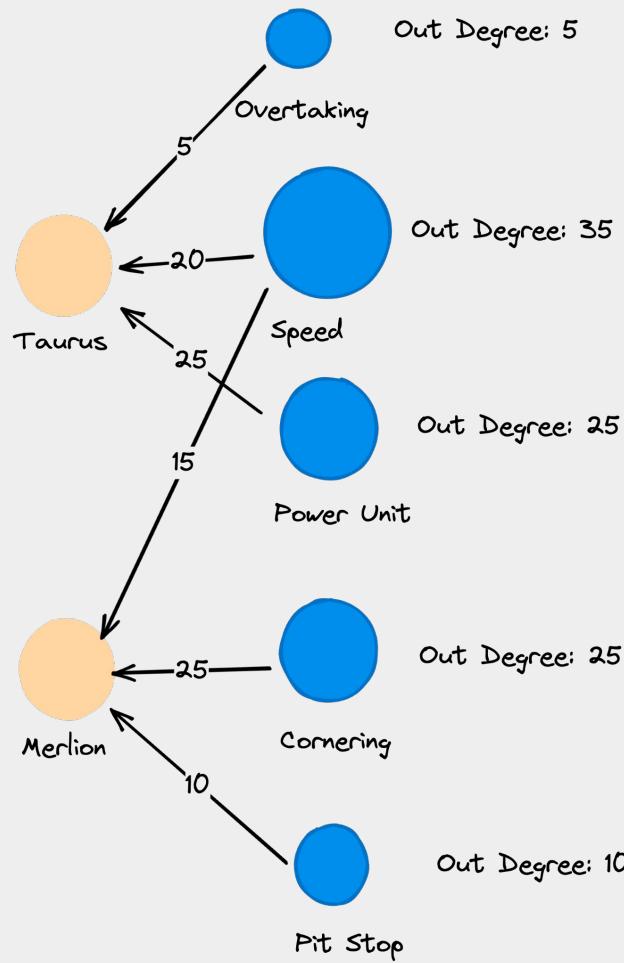


Eclipse

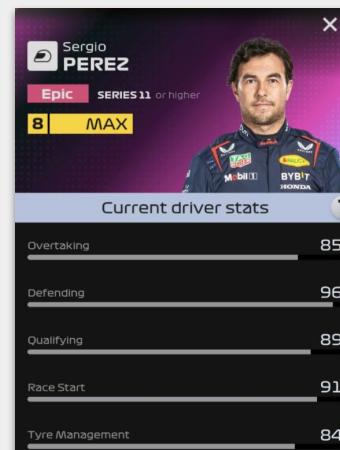


Rena

Speed, Cornering, Power_Unit, Reliability, Pit_Stop,
Overtaking, Defending, Race_Start, Tyre_Management



Task #03 (1,0 point) -> generate figure + explanation



$\min(\Gamma \times 1, 99)$

Considering only what has been seen so far, propose a solution to find the best setup: Parts + Drivers + Boost.

Assume that the **Team Score** = Sum of the metrics of the 2 drivers + speed + cornering + power unit + reliability + (avg pit stop)/0.02.

Tip: speed + cornering is a good metric.

OCTOBER 2023

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2 	3	4  Q&A	5	6	7
8 	9	10	11  Q&A	12	13	14
15 Class 	16	17	18	19	20	21
22	23 Deadline	24	25	26	27	28
29	30	31	1	2	3	4