Car Fleet -> II

	0	1	2	3
Pos ->	5	5	6	9
speed ->	4	4	3	1
Collision time ->	~~2~~	1	1.5	-1

is those Only car ahead of me, with which I can collide

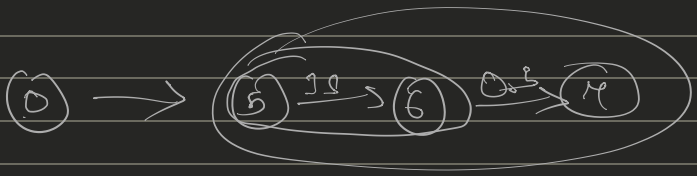
2nd Car -> $\frac{9-6}{3-1} = \frac{3}{2} = 1.5$ s

1st Car -> $\frac{6-5}{4-3} = \frac{1}{1} = 1$ s

(1) --1 sec--> (2) --0.5--> (3)

0th Car -> 1st $\frac{5-3}{0} = \infty$

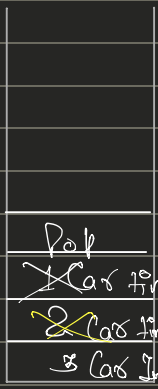
0th Car -> 2nd $= \frac{6-3}{4-3} = 3$ sec



0th Car -> 3rd $\Rightarrow \frac{9-3}{4-1} = \frac{6}{3} = 2$

Stack Solution ->

	0	1	2	3
Pos ->	8	5	6	9
speed ->	4	4	3	1
Time ->	3	2	1	1.5	-1



3rd Car -> s.push(3)

2nd Car -> bcz car ahead of me is slower

-> $\frac{9-6}{3-1} = 1.5$

1st Car -> $\frac{6-5}{4-3} = 1$ => if (CurrCol Time ≤ stop time) {

CurrCol time = 1s

0th Car -> stop ≥ speed ≥ Car[i] {

pop()

}

if (currCol Time > stop Time) {

pop

}

$\frac{9-8}{4-1} = \frac{6}{3} = 2$

Best Solution with Array