

Online Judges

→ An online judge is an online system to test programs in programming contests.

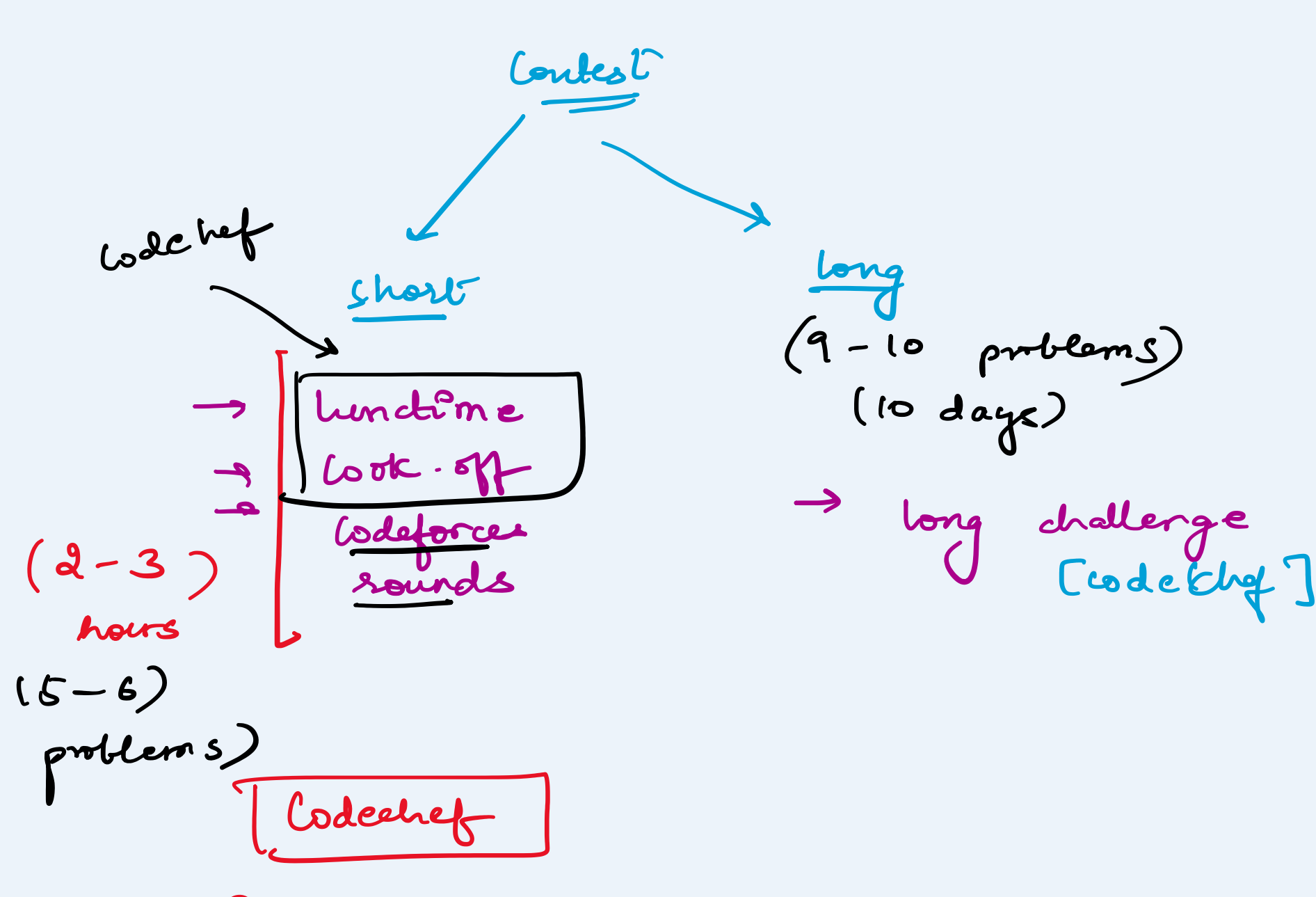
OA compiles & runs your code ; shows some output.

- ① TLE → time limit exceeded
- ② MLE → memory limit exceeded
- ③ RE → Runtime exception



Contest

Programming competitions held on various online judges where you have to solve problems in a limited time period.



① lunch-time

- codechef
- 2.5 hrs - 3 hrs
- monthly contest

② cook-off

- codechef
- 2.5 hrs
- monthly

③ long-challenge

- codechef
- 10 days
- monthly

Codeforces

→ contests are targeted for particular divisions on the basis of ratings on codeforces website.

- ≥ 1900 → Div 1 (difficult)
 - < 2100 → Div 2
 - < 1600 → Div 3
 - Educational
- comparatively easier

Ratings / stars

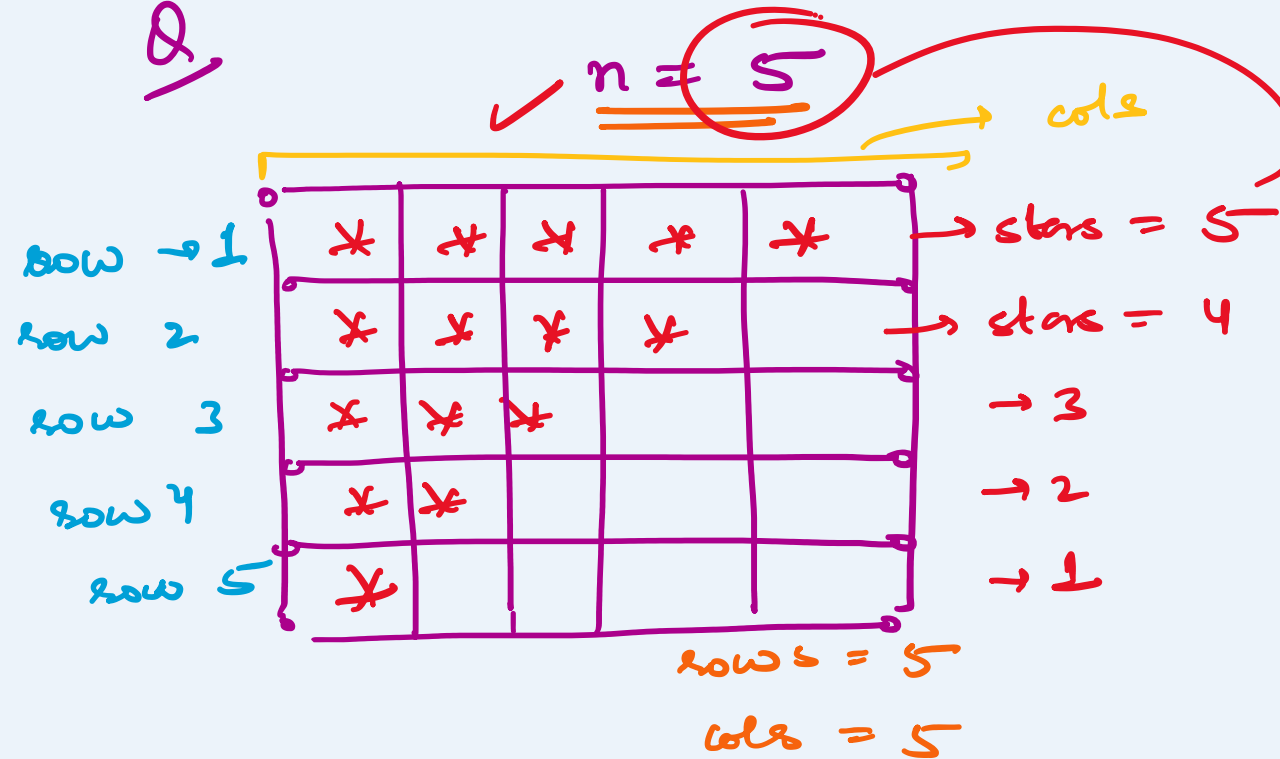
universally recognised representation of skills on the basis of different divisions are set on online judge

Global contests

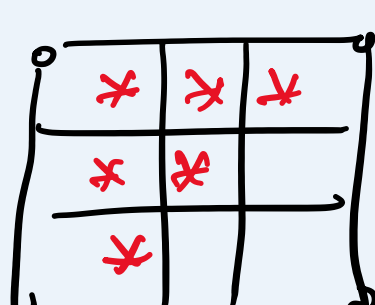
- ICPC
- Snackdown
- Google codejam
- Google kickstart
- Facebook Hacker Cup

Pattern Problems

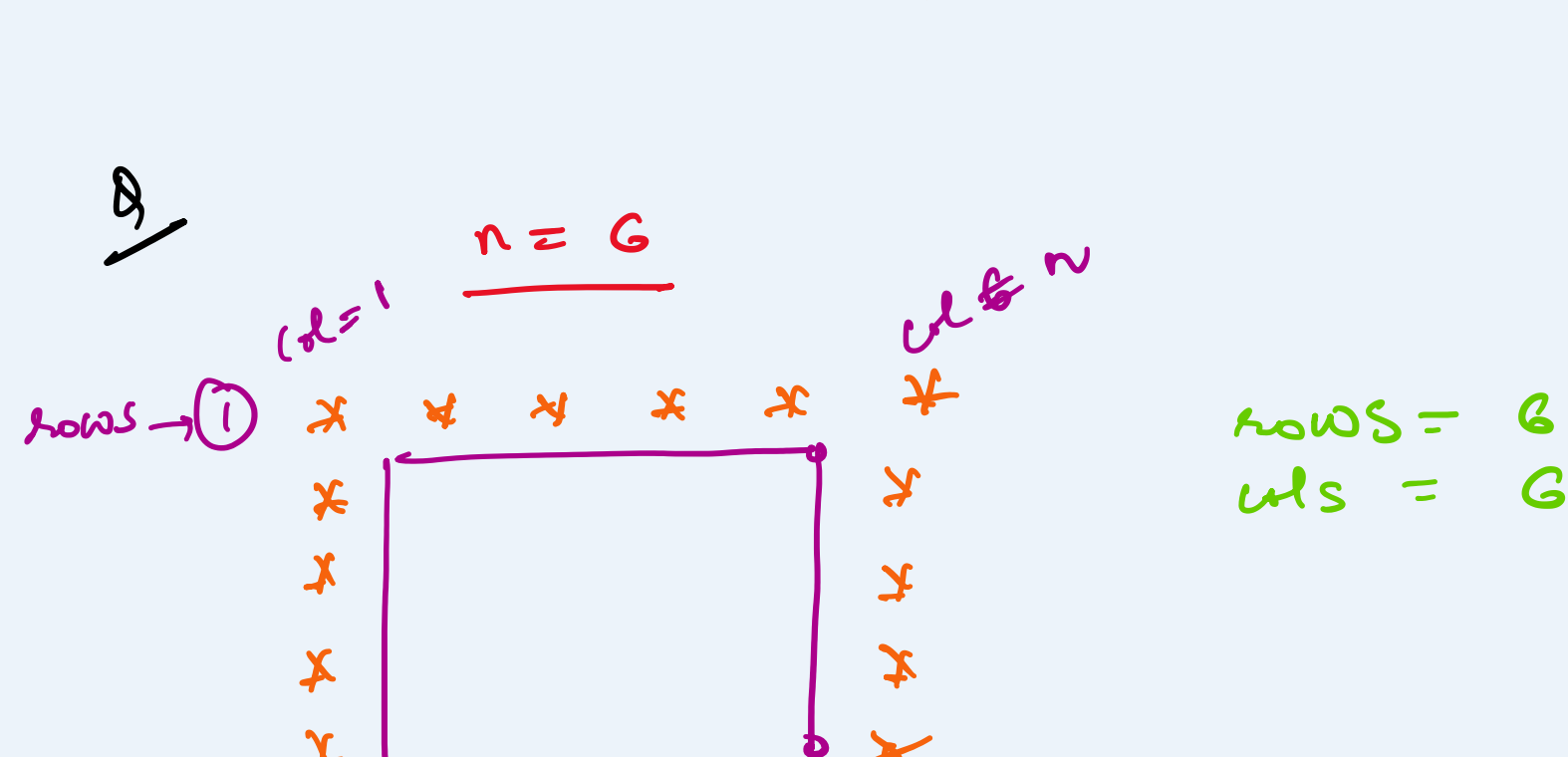
Q



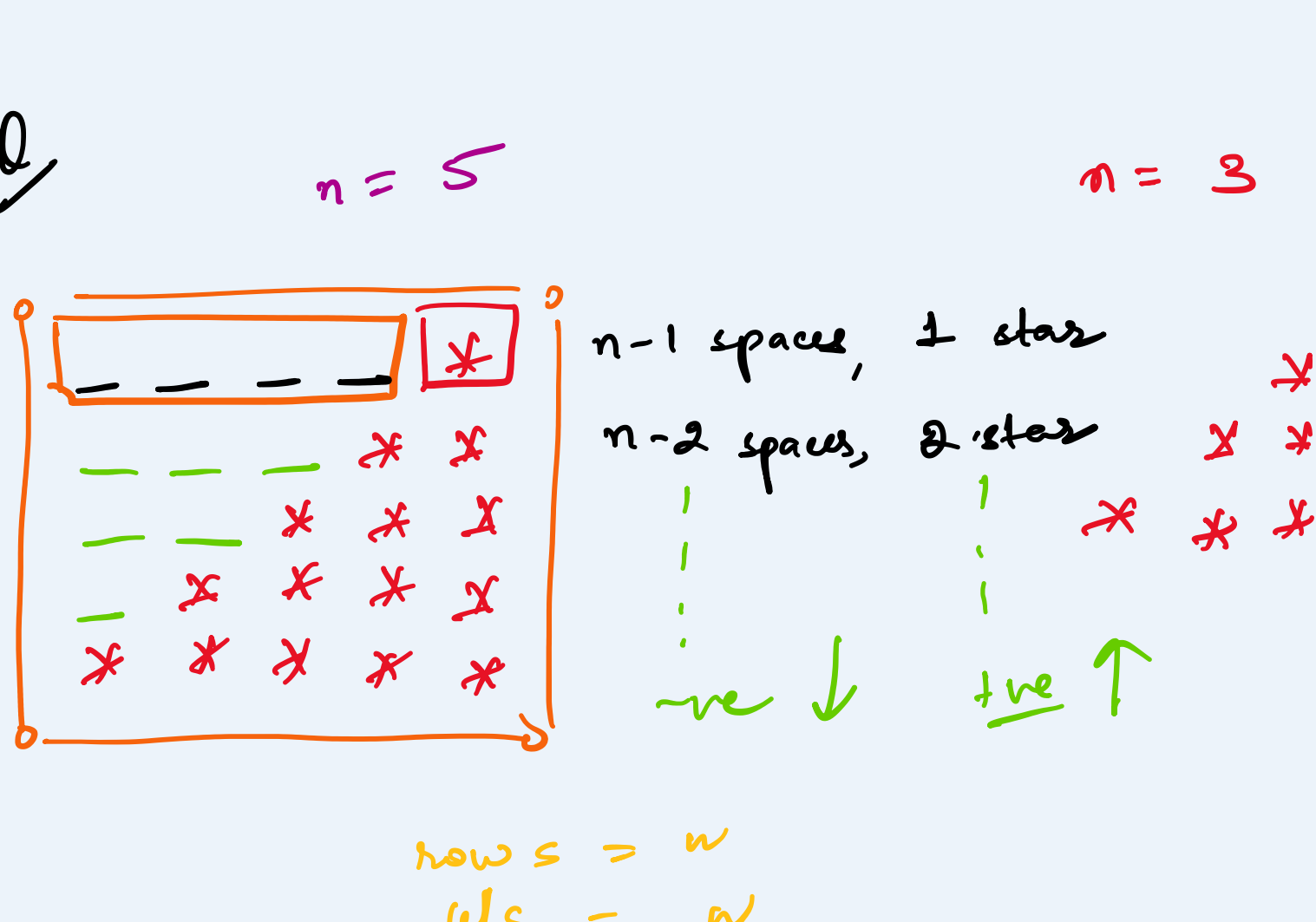
n = 3



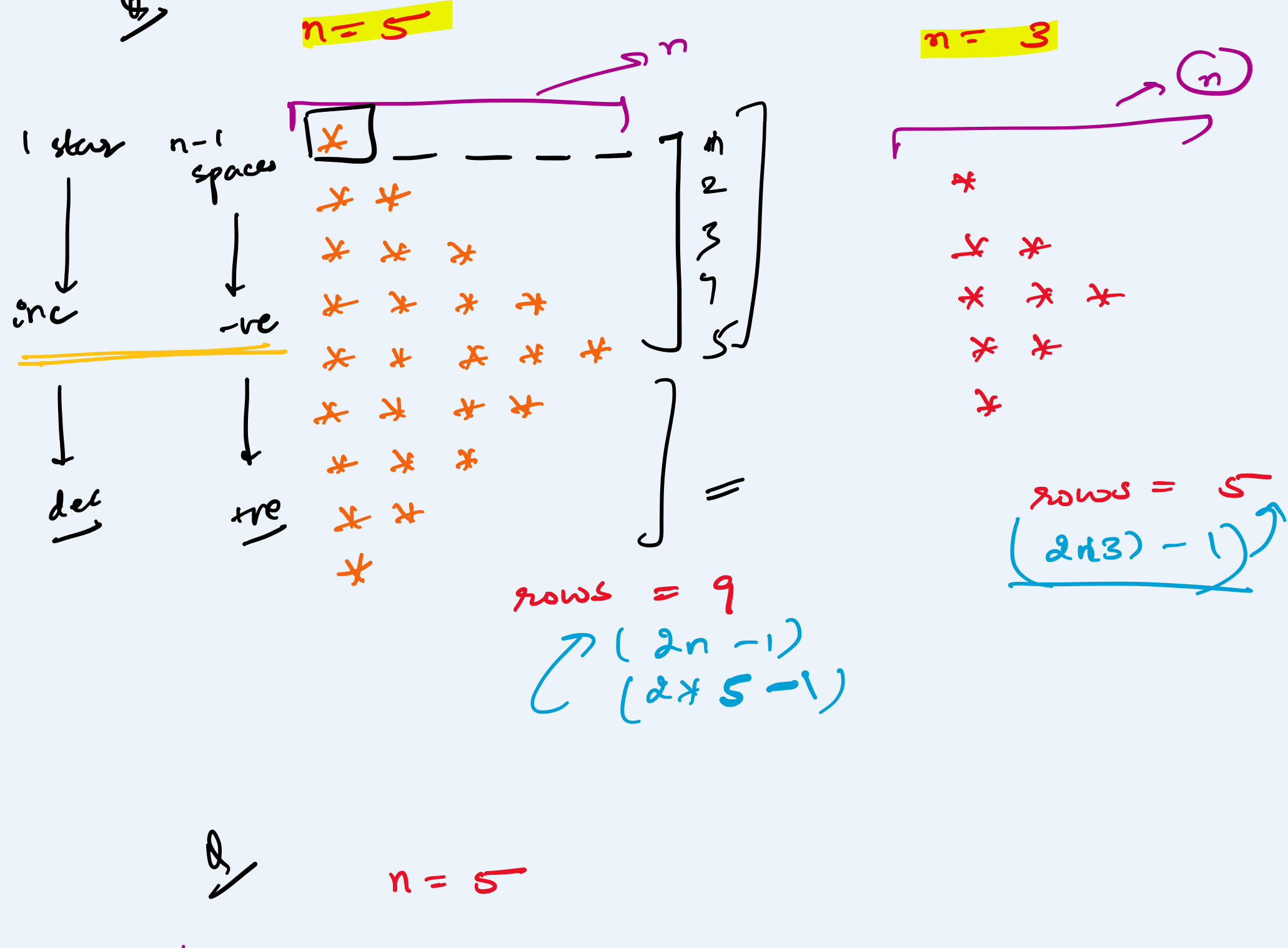
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Q



Q



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