

1) $AARC \rightarrow R$

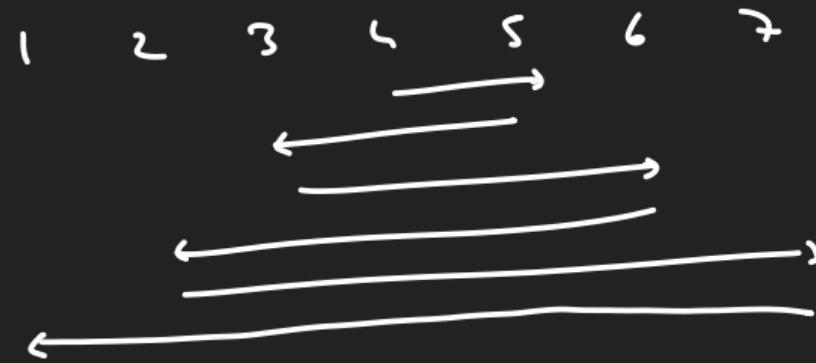
2) $AARC \rightarrow AC$

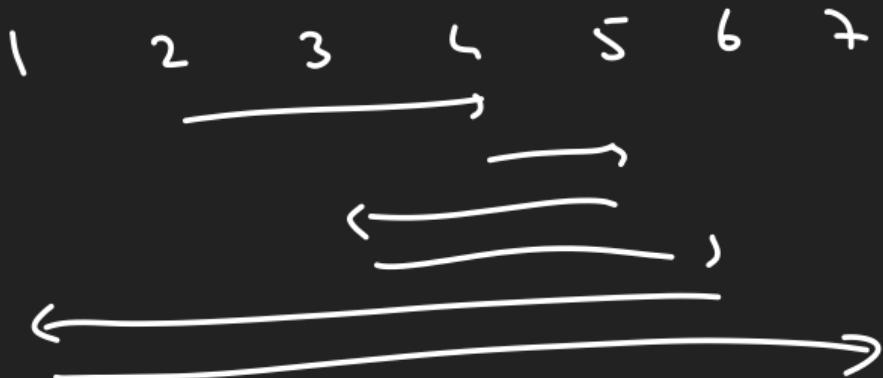
$AARCC \rightarrow AC$

3 1 1

AAARCCCARCARC

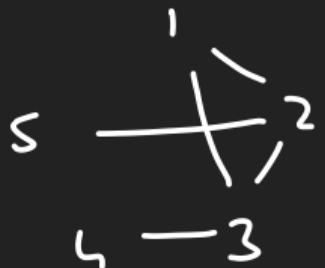
- - -
- - -





1 2 3 4 5 6 7 8

1 2 3 4 5 6 7 8
? 3 ? ? 8 ? ? ?



1 2 3 4 5
2 3 1 3 2

1 2 3 4 5
2 2 1 5 5

ogni cc

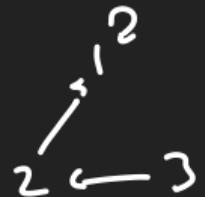
- ha solo archi interni
- ha n archi \Rightarrow ha $\leq n$ archi "veri"
 $\geq n-1$
- è un ciclo o un tree + self loop
una linea



in quante conf. $\{1, 2, \dots, i\}$ è una cc?

$(i-1)!$ cicli

$i(i-1)(i-1)!$ linee



- - -

con ; '?' ?

$$dp[i] = \# \text{ cc}$$

primi i archi

- ; forms un self loop



1	1
1	2

1	1	2
1	2	1
2	1	1

(r₁, c₁)

(r₁, c₂)

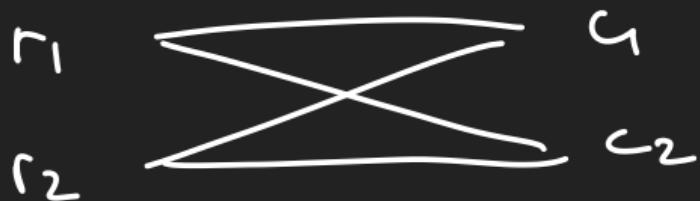
(r₂, c₁)

(r₂, c₂)

solito grafo bipartito

rettangolo = ciclo lungo ↲

f g



$$f(i) = i/25$$

1	1	1	2
1	2	2	1
2	1	2	1
2	2	1	2

1	1	2	2
2	1	1	2
2	2	1	1
1	2	2	1

1	1	2	2	3	3	1	2	3
3	1	1	2	2	3	3	1	2
2	3	1	1	2	2	3	3	1
1	2	3	1	1	2	2	3	3
3	1	2	3	1	1	2	2	3
3	3	1	2	3	1	1	2	2
2	3	3	1	2	3	1	1	2
2	2	3	3	1	2	3	1	1
1	2	2	3	3	1	2	3	1

0 1 6
2 3 7
4 5 8

A hand-drawn grid pattern consisting of white lines on a black background. The grid is composed of approximately 12 horizontal and 10 vertical lines, creating a series of rectangular cells. The lines are slightly irregular and wavy, giving it a hand-drawn appearance.

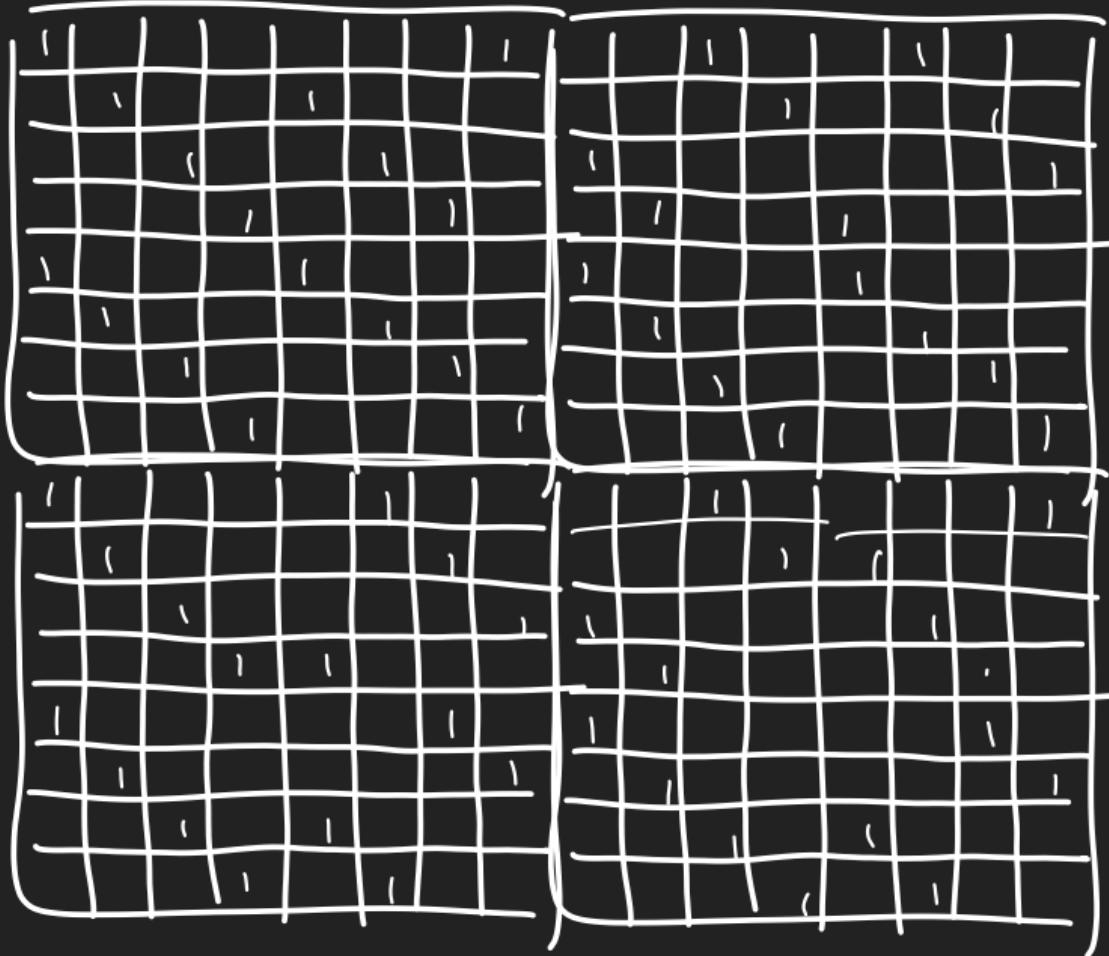
"scegli le diagonali giuste"

"scegli 20 interi in $\{0, 1, \dots, 62n\}$ tali che le
diff. $\geq 2 \geq 2$ siano distinte"
(in mod)

500 mask can popcount 20 e nessun rettangolo

1	2	3	1	2	3	1	2	3
3	1	2	3	1	2	3	1	2
2	3	1	2	3	1	2	3	1
1	1	1	2	2	2	3	3	3
3	3	3	1	1	1	2	2	2
2	2	2	3	3	3	1	1	1
1	2	3	3	1	2	2	3	1
3	1	2	2	3	1	1	2	3
2	3	1	1	2	3	3	1	2

1	1	2	2
2	2	1	1
1	2	1	2
2	1	2	1



1 1 2 2

2 2 1 1

1 2 1 2

2 1 2 1

1	1	1	1
1	2	3	4
1	3	1	3
1	4	3	2

1	1	1	1	1
1	2	3	4	5
1	3	5	2	4
1	4	2	5	3
1	5	4	3	2

1	2	3	4
4	1	2	3
3	4	1	2
2	3	4	1

1	1	1	1	1	—	7
1	2	3	4	5	—	28
1	3	5	2	9	—	

