

We considered the game:

▶ There is a spectrum of 10 points on a certain political issue

◆□▶ ◆□▶ ◆臣▶ ◆臣▶ 臣 のへぐ

We considered the game:

There is a spectrum of 10 points on a certain political issue

◆□▶ ◆□▶ ◆臣▶ ◆臣▶ 臣 のへぐ

There are two candidates

We considered the game:

There is a spectrum of 10 points on a certain political issue

◆□▶ ◆□▶ ◆三▶ ◆三▶ 三三 のへぐ

- There are two candidates
- ▶ 10% of the voters hold each position

We considered the game:

- There is a spectrum of 10 points on a certain political issue
- There are two candidates
- ▶ 10% of the voters hold each position
- Voters will vote for the candidate who holds the closest views

▲ロト ▲帰ト ▲ヨト ▲ヨト 三日 - の々ぐ

We considered the game:

- There is a spectrum of 10 points on a certain political issue
- There are two candidates
- ▶ 10% of the voters hold each position
- Voters will vote for the candidate who holds the closest views

 Candidates will split the vote of views that are the same distance to both candidates

We considered the game:

- There is a spectrum of 10 points on a certain political issue
- There are two candidates
- ▶ 10% of the voters hold each position
- Voters will vote for the candidate who holds the closest views
- Candidates will split the vote of views that are the same distance to both candidates
- Each candidate wants to maximize their share of the vote

Are there any dominated strategies?

Are there any dominated strategies?

◆□▶ ◆□▶ ◆臣▶ ◆臣▶ 臣 の�?

1 is weakly dominated by 2

- Are there any dominated strategies?
 - 1 is weakly dominated by 2
 - 10 is weakly dominated by 9

◆□▶ ◆□▶ ◆三▶ ◆三▶ 三三 のへぐ

- Are there any dominated strategies?
 - 1 is weakly dominated by 2
 - 10 is weakly dominated by 9

◆□▶ ◆□▶ ◆三▶ ◆三▶ 三三 のへぐ

3 does not dominate 2

Are there any dominated strategies?

- 1 is weakly dominated by 2
- 10 is weakly dominated by 9
- 3 does not dominate 2 but after we remove 1 it does

◆□▶ ◆□▶ ◆三▶ ◆三▶ 三三 のへぐ

- Are there any dominated strategies?
 - 1 is weakly dominated by 2
 - 10 is weakly dominated by 9
 - 3 does not dominate 2 but after we remove 1 it does
- If we iterate this, the candidates end up in the central positions

< □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > <

- Are there any dominated strategies?
 - 1 is weakly dominated by 2
 - 10 is weakly dominated by 9
 - 3 does not dominate 2 but after we remove 1 it does
- If we iterate this, the candidates end up in the central positions
- This is The Median Voter Theorem "Majority rule voting will select the median preference"

Problems?

Problems?

Assumed distribution was constant

Problems?

Assumed distribution was constant

◆□▶ ◆□▶ ◆臣▶ ◆臣▶ 臣 の�?

Assuming full voter turnout

Problems?

- Assumed distribution was constant
- Assuming full voter turnout
- Assuming that there are only two candidates

◆□▶ ◆□▶ ◆三▶ ◆三▶ 三三 のへぐ

Problems?

- Assumed distribution was constant
- Assuming full voter turnout
- Assuming that there are only two candidates

◆□▶ ◆□▶ ◆三▶ ◆三▶ 三三 のへぐ

Assuming voters are rational

Problems?

- Assumed distribution was constant
- Assuming full voter turnout
- Assuming that there are only two candidates
- Assuming voters are rational
- Assuming that candidates are rational, and that they assume that there opponent is rational

< □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > <

Problems?

- Assumed distribution was constant
- Assuming full voter turnout
- Assuming that there are only two candidates
- Assuming voters are rational
- Assuming that candidates are rational, and that they assume that there opponent is rational

- Kennedy ('60)
- Nixon ('68)
- Clinton ('92)

Problems?

- Assumed distribution was constant
- Assuming full voter turnout
- Assuming that there are only two candidates
- Assuming voters are rational
- Assuming that candidates are rational, and that they assume that there opponent is rational

- Kennedy ('60)
- Nixon ('68)
- Clinton ('92)
- Affordable Care Act

Problems?

- Assumed distribution was constant
- Assuming full voter turnout
- Assuming that there are only two candidates
- Assuming voters are rational
- Assuming that candidates are rational, and that they assume that there opponent is rational

- Kennedy ('60)
- Nixon ('68)
- Clinton ('92)
- Affordable Care Act
- Gas station distribution

Alex and Bob are going camping

◆□▶ ◆□▶ ◆臣▶ ◆臣▶ 臣 の�?

- Alex and Bob are going camping
 - Alex wants to camp at a high altitude

◆□▶ ◆□▶ ◆臣▶ ◆臣▶ 臣 のへぐ

- Alex and Bob are going camping
 - Alex wants to camp at a high altitude

◆□▶ ◆□▶ ◆臣▶ ◆臣▶ 臣 の�?

Bob wants to camp at a low altitude

- Alex and Bob are going camping
 - Alex wants to camp at a high altitude

◆□▶ ◆□▶ ◆臣▶ ◆臣▶ 臣 の�?

Bob wants to camp at a low altitude

- Alex and Bob are going camping
 - Alex wants to camp at a high altitude
 - Bob wants to camp at a low altitude

Camping spots (with elevation in 1000s of feet):

7	2	5	1
2	2	3	4
5	3	4	4
3	2	1	6

- Alex and Bob are going camping
 - Alex wants to camp at a high altitude
 - Bob wants to camp at a low altitude

Camping spots (with elevation in 1000s of feet):

7	2	5	1
2	2	3	4
5	3	4	4
3	2	1	6

▲□▶ ▲□▶ ▲□▶ ▲□▶ ▲□ ● ● ●

- Alex chooses east-west strip
- Bob chooses north-south strip

- Alex and Bob are going camping
 - Alex wants to camp at a high altitude
 - Bob wants to camp at a low altitude

Camping spots (with elevation in 1000s of feet):

7	2	5	1
2	2	3	4
5	3	4	4
3	2	1	6

- Alex chooses east-west strip
- Bob chooses north-south strip
- Says Alex's payoff is the elevation, and Bob's payoff is the opposite

Can rule out dominated strategies:

7	2	5	1
	2	3	4
5	3	4	4
e.	2	1	6

Can rule out dominated strategies:

_				
,	7	2	5	1
		9	9	
Ľ		4	0	т
40	5	3	4	4
c e		2	1	6

◆□▶ ◆□▶ ◆臣▶ ◆臣▶ 臣 のへぐ

Problem: we're now stuck

Can rule out dominated strategies:

1
L
4
±
1
3

- Problem: we're now stuck
- ▶ New idea: find points where no player regrets their choice

◆□▶ ◆□▶ ◆三▶ ◆三▶ 三三 のへで

Consider the following campsite:

7	2	5	1
2	2	3	4
5	3	4	4
3	2	1	6

Consider the following campsite:

7	2	5	1
2	2	3	4
5	3	4	4
3	2	1	6

If they chose this spot, would either Alex or Bob have regrets?

◆□▶ ◆□▶ ◆臣▶ ◆臣▶ 臣 の�?

Consider the following campsite:

7	2	5	1
2	2	3	4
5	3	4	4
3	2	1	6

If they chose this spot, would either Alex or Bob have regrets?

◆□▶ ◆□▶ ◆臣▶ ◆臣▶ 臣 の�?

No

Consider the following campsite:

7	2	5	1
2	2	3	4
5	3	4	4
3	2	1	6

If they chose this spot, would either Alex or Bob have regrets?

◆□▶ ◆□▶ ◆三▶ ◆三▶ 三三 のへぐ

- No
- Such an outcome is called a Nash equilibrium

Consider the following campsite:

7	2	5	1
2	2	3	4
5	3	4	4
3	2	1	6

If they chose this spot, would either Alex or Bob have regrets?

No

- Such an outcome is called a Nash equilibrium
- ▶ More formally, a strategy profile s₁,..., s_n is a Nash equilibrium if u(s_i, s_{-i}) ≥ u(s_i^{*}, s_{-i}) for each i

Consider the following campsite:

7	2	5	1
2	2	3	4
5	3	4	4
3	2	1	6

If they chose this spot, would either Alex or Bob have regrets?

No

- Such an outcome is called a Nash equilibrium
- ▶ More formally, a strategy profile s₁,..., s_n is a Nash equilibrium if u(s_i, s_{-i}) ≥ u(s_i^{*}, s_{-i}) for each i
- So, if all other players' fix their strategy, you can't do better

How do we find Nash equilibria?



How do we find Nash equilibria?

For others' strategies, determine your best strategy

◆□▶ ◆□▶ ◆臣▶ ◆臣▶ 臣 の�?

See where these coincide for the players

How do we find Nash equilibria?

- For others' strategies, determine your best strategy
- See where these coincide for the players

7	2	5	1
2	2	3	4
5	<mark>3</mark> 3	4	4
3	2	1	6

◆□▶ ◆□▶ ◆臣▶ ◆臣▶ 臣 の�?

► See handout #5



► See handout #5

Note:

- ► See handout #5
- Note:
 - There can be more than one Nash equilibrium

◆□ ▶ < 圖 ▶ < 圖 ▶ < 圖 ▶ < 圖 • 의 Q @</p>

- ► See handout #5
- Note:
 - There can be more than one Nash equilibrium
 - Nash equilibria are not always the best solutions

◆□▶ ◆□▶ ◆三▶ ◆三▶ 三三 のへぐ

- ► See handout #5
- Note:
 - There can be more than one Nash equilibrium
 - Nash equilibria are not always the best solutions
 - Nash equilibria never lie on strictly dominated strategies

- See handout #5
- Note:
 - There can be more than one Nash equilibrium
 - Nash equilibria are not always the best solutions
 - Nash equilibria never lie on strictly dominated strategies

< □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > <

They can lie on weakly dominated strategies

You have a choice:



You have a choice:

- ▶ You can invest \$20
- You can choose to not invest

You have a choice:

- You can invest \$20
- You can choose to not invest
- If more than 90% of the class chooses to invest, you earn \$10 on top of your original investment

◆□▶ ◆□▶ ◆三▶ ◆三▶ 三三 のへぐ

You have a choice:

- You can invest \$20
- You can choose to not invest
- If more than 90% of the class chooses to invest, you earn \$10 on top of your original investment

< □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > < □ > <

Otherwise, you lose your \$20

- You have a choice:
 - You can invest \$20
 - You can choose to not invest
- If more than 90% of the class chooses to invest, you earn \$10 on top of your original investment

- Otherwise, you lose your \$20
- Choose whether or not you want to invest

- You have a choice:
 - You can invest \$20
 - You can choose to not invest
- If more than 90% of the class chooses to invest, you earn \$10 on top of your original investment

- Otherwise, you lose your \$20
- Choose whether or not you want to invest
- What are the Nash equilibria?

- You have a choice:
 - You can invest \$20
 - You can choose to not invest
- If more than 90% of the class chooses to invest, you earn \$10 on top of your original investment

- Otherwise, you lose your \$20
- Choose whether or not you want to invest
- What are the Nash equilibria?
 - We can find them by guessing and testing

- You have a choice:
 - You can invest \$20
 - You can choose to not invest
- If more than 90% of the class chooses to invest, you earn \$10 on top of your original investment

- Otherwise, you lose your \$20
- Choose whether or not you want to invest
- What are the Nash equilibria?
 - We can find them by guessing and testing
 - All invest, or none invest

• Let's play the game again.

- Let's play the game again.
- What happened to peoples' strategies?

◆□▶ ◆□▶ ◆臣▶ ◆臣▶ 臣 の�?

- Let's play the game again.
- What happened to peoples' strategies?
- This is an example of a coordination game:

◆□▶ ◆□▶ ◆臣▶ ◆臣▶ 臣 の�?

- Let's play the game again.
- What happened to peoples' strategies?
- This is an example of a coordination game:

There are multiple Nash equilibria

- Let's play the game again.
- What happened to peoples' strategies?
- This is an example of a coordination game:
 - There are multiple Nash equilibria
 - Saying your strategy out loud is beneficial

- Let's play the game again.
- What happened to peoples' strategies?
- This is an example of a coordination game:
 - There are multiple Nash equilibria
 - Saying your strategy out loud is beneficial
 - Other players will have no reason to think that you're lying

- Let's play the game again.
- What happened to peoples' strategies?
- This is an example of a coordination game:
 - There are multiple Nash equilibria
 - Saying your strategy out loud is beneficial
 - Other players will have no reason to think that you're lying
 - Other players will choose the corresponding equilibrium point

▲□▶ ▲□▶ ▲□▶ ▲□▶ □ □ のへで