

PLAY
AGAIN!

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Caught cheating in the exam

- *If both confess, both gets chance to take the exam again, with the possibility of passing with the lowest grade.*
- *If one confesses and the other doesn't. Whoever confesses, fails the exam, and the other doesn't suffer any consequences.*
- *If none confesses, both gets reduction in grade.*

A		Confess	Don't
B			
Confess		$(-2,-2)$	$(0,-3)$
Don't		$(-3,0)$	$(-1,-1)$

Mutual Fund

B \ A	Invest	Defect
	Invest	Defect
Invest	(2,2)	(3,-1)
Defect	(-1,3)	(0,0)

What if we play multiple times?

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<https://ncase.me/trust/>

Keywords

- *Game theory*
- *Prisoner's dilemma*
- *Nash Equilibrium*
- *Iterated games*

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Questions?