Dror Bar-Natan: Academic Pensieve: 2018-01:

## Some Socially-Relevant Mathematics

January 17, 2018 3:33 PM

Mentor Connect, January 18, 2018

1. The most valued piece of	Prisoner B Prisoner A	Prisoner B stays silent (cooperates)	Prisoner B betrays ( <i>defects</i> )
mathematics, ever.	Prisoner A stays silent (cooperates)	Each srves 1 year	Prisoner A: 3 years Prisoner B: goes free
	Prisoner A betrays ( <i>defects</i> )	Prisoner A: goes free Prisoner B: 3 years	Each serves 2 years
	From < <u>https://en.wikipedia</u>	.org/wiki/Prisoner's_dilemm	<u>1a</u> >
		40 st	
	int		intains
<ol> <li>Building roads reduces congestion?</li> <li>Braess' Paradox: 100 cars per hour need</li> </ol>	45 200		
to get from L to R. Does it make sense to	(iv		
build a 1-minute link from A to B?		A 50	CAR: 20M CWS: YOM
	Loff Socurs	2	S: Yom
	loocus	200 B D : Yom	
	monny	Laind	
	1 1000/11	k m j	15 mins
3. Maya Bar-Hillel's version of Simpson's pa	radox. True fact: In Isra	el, in every	17
10-year age bracket death rates for Arabs overall death rates for Jews are higher th	-	vs, yet	Mhl
G			6