
From: Madars Virza <[REDACTED]>
Sent: Tuesday, December 4, 2018 8:59 PM
To: jeevacation@gmail.com
Subject: Re: thx

:-)

If you like recreational math as well, here's one of my favorite puzzles about cooperative games:

There are two players, a referee and a standard 8x8 chess board in a room. Each of the board's 64 squares is either empty or has a pebble on it (all pebbles identical) but other than that the configuration is arbitrary. The players don't know the configuration on the board, but can agree on a strategy beforehand. After agreeing on a strategy they will play the following game.

The referee first takes the first player in the room, and points to a square of referee's choosing on the chess board. The first player must choose a square and flip its state (i.e. place a pebble on it if the square was empty, or remove the pebble if the square had one before). They both leave the room.

Afterwards, the second player and the referee enter the room. The second player must now identify the square referee originally pointed to. If his guess is correct, the players win, otherwise they lose.

If the players knew the contents of the board beforehand, there would be no puzzle (you'd just flip the square referee pointed to). Surprisingly, there is a strategy that works no matter the initial contents of the board!

Madars

On Tue, Dec 4, 2018 at 12:57 PM J <jeevacation@gmail.com <mailto:jeevacation@gmail.com>> wrote:

your prayers help.. mathematics helps more :)

--

please note<=r>

The information contained in this communication is confidential, may be attorney-client privileged, may constitute inside information, and is intended only for the use of the addressee. It is the property of JEE. Unauthorized use, disclosure or copying of this communication or any part thereof is strictly prohibited and may be unlawful. If you have received this communication in error, please notify us immediately by return e-mail or by e-mail to jeevacation@gmail.com <mailto:jeevacation@gmail.com>, and destroy this communication and all copies thereof, including all attachments. copyright -all rights reserved

--

Madars Virza
Research Scientist
MIT Media Lab
web: =A0madars.org <https://madars.org> </=iv>