



ELECTROVERT 2018

The Performers' creed



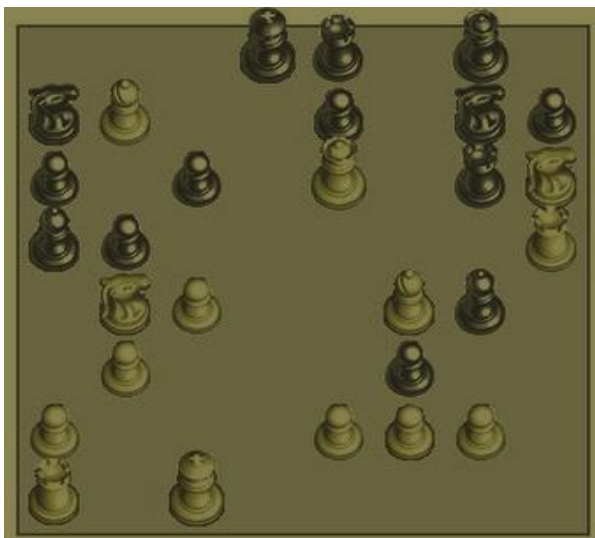
Name of the Event: Exordium
Candidate's Code:

Date: 8/09/2018
Time:

1. A clever prisoner was wrongly accused by the King and was given a death penalty. As a rule, the prisoner was given a last chance in which prisoner must choose the white marble from a black box. As a rule, one black and one white marble must be placed in the box but the mad king placed both black marbles in the box.

The prisoner survived. Explain?

2. Your pieces are white.
You need to win in half a move.
How can you do this?



3. The taxi driver who is a serial killer kidnaps his passenger and forces the passenger to play the game of death with him. The game is that there are two pills in two separate bottles on the table. The driver tells that one of them is harmless and the other one is poisonous. The passenger has to choose one pill and the killer needs to pick the other remaining pill and both should swallow the pill with water simultaneously.

Every time the passenger dies.

One day driver kidnaps the Sherlock Holmes and forces him to play the same game with him.

Sherlock solves the mystery of the two pills and remains alive. How?

4.



Jane, Kate, and Lily are perfect logicians and always tell the truth.

They are each wearing a hat marked with a **distinct** positive integer. They know that one of the hats has a **single-digit integer**, written on it, and that the other two hats each have a divisor of written on them. Each person can only see the two numbers on the others' hats.

- Jane: "I don't know my number."
- Kate: "I don't know my number."
 - Lily: "But I know my number!"
 - Kate: "Now I know my number, too!"
 - Jane: "I still don't know my number."

What is the **sum of the numbers** written on Kate and Lily's hats?

5. Detective James Cordon needs to access a secret door that can be accessed only by a code. The code is about 7 characters and consists of numbers and alphabets. Just above the door this was written- "You force heaven to be empty". Can you help Detective James Cordon to break the code?