

Name

Country

Part IX Finals

9th World Puzzle Championship
October, 2000

- 1 Board Stiff
- 2 Triangle Count
- 3 CONN Tour
- 4 Lunar Lockout 7
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- 7 Vantage Points
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Part IX Finals Instructions

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Puzzle 1

Only one of the pictures A-F is an exact reflection of the image at the top. Which one?

Puzzle 2

How many triangles (of any shape) are in the figure?

Puzzle 3

The map of Connecticut is divided into 8 counties, as indicated by the heavy lines. The 8 county seats (circles with stars) are connected to Stamford (S) by a network of roads, which pass through 8 additional junctions.

Starting at Stamford, you are to visit each county, each county seat, and each junction exactly once, without retracing your path. Not all roads will be used.

Once you leave a county, you cannot re-enter it.

List the counties (#1-#8) in the order that you visit them.

Puzzle 4

Lunar Lockout: the goal is to end up with the red robot (X) on the center space in 4 moves.

Each robot travels horizontally or vertically, but **only directly toward another robot -- as far as it can go until hitting it edge to edge**. One move is a continuous sequence of such traverses made by the same robot. For each move, give the robot's letter followed by the directions traveled: up (U), Down (D), left (L), and right (R).

Puzzle 5

The 18 panels of this wordless cartoon are out of sequence. Rearrange the panels, starting with panel L, to make a logical (and humorous) sequence. List the corresponding letters in order from first to last.

Note: when the railway passenger in the cartoon is facing away from you (panels J and Q), in addition to whatever else he may be doing, he is pulling down the central window shade of the carriage.

Hint: Panel E is before J, and panel G is before A.

Puzzle 6

Viewpoint: each of the 8 blocks shown is composed of 6 identical cubes. (The perspective of the drawing sometimes hides some of the rear cubes. Figuring out their position is part of the puzzle.) Group the 8 blocks into 4 pairs of identical shapes.

Puzzle 7

The diagram represents a city street map. Position 3 police officers so that any point on any street can be observed by at least one of the officers. Give the letters corresponding to the three locations.

Puzzle 8

You are shown 6 different diagrams of unfolded and flattened cubes (A-F). The faces of each cube are marked with one of 3 symbols: X, O, or +. A question mark (?) means that the symbol on that face is not revealed.

Five of the 6 diagrams are different views of the same cube; the remaining diagram is for a different cube. Which one is different?

Problem 1



A



B



C



D



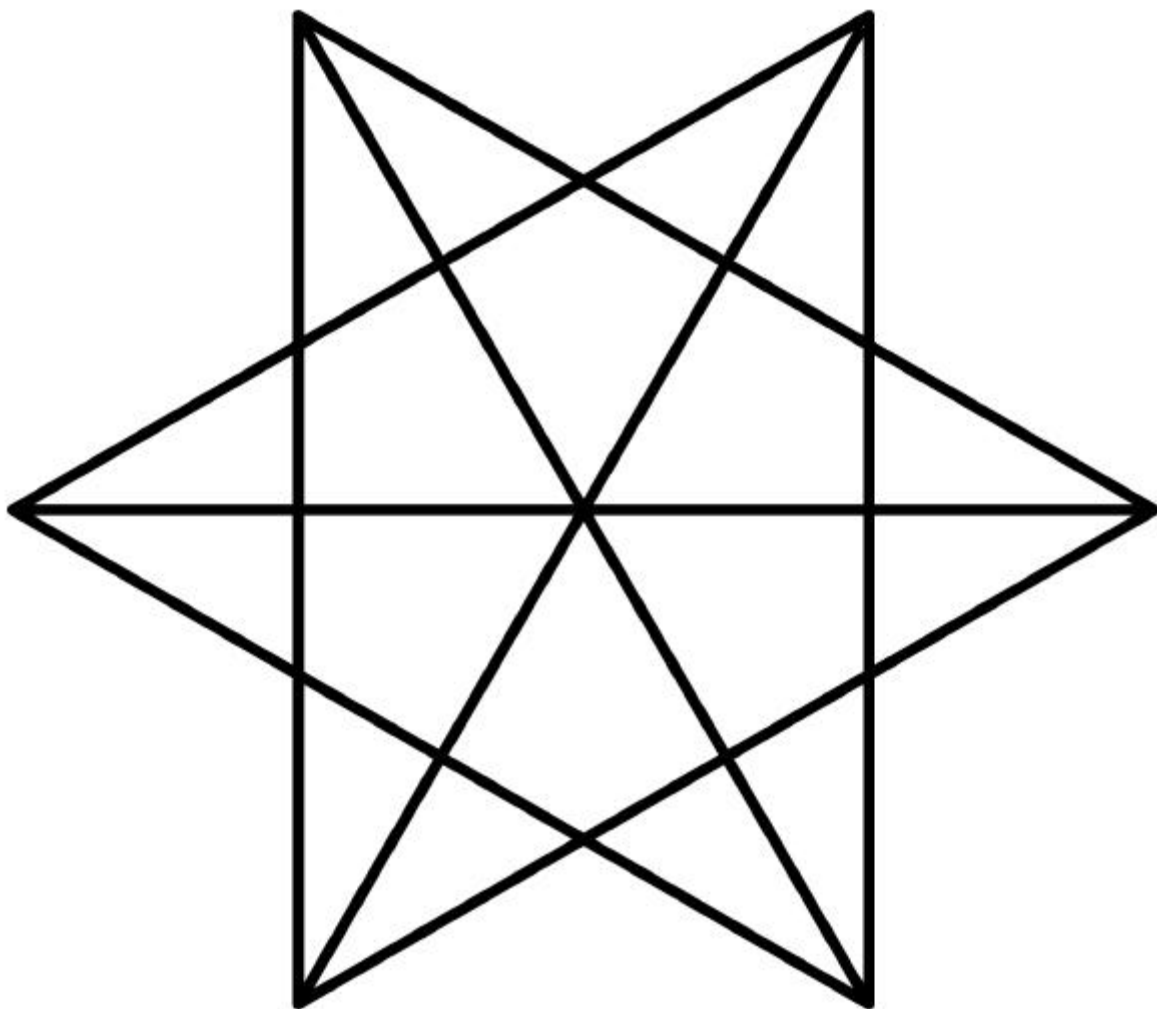
E



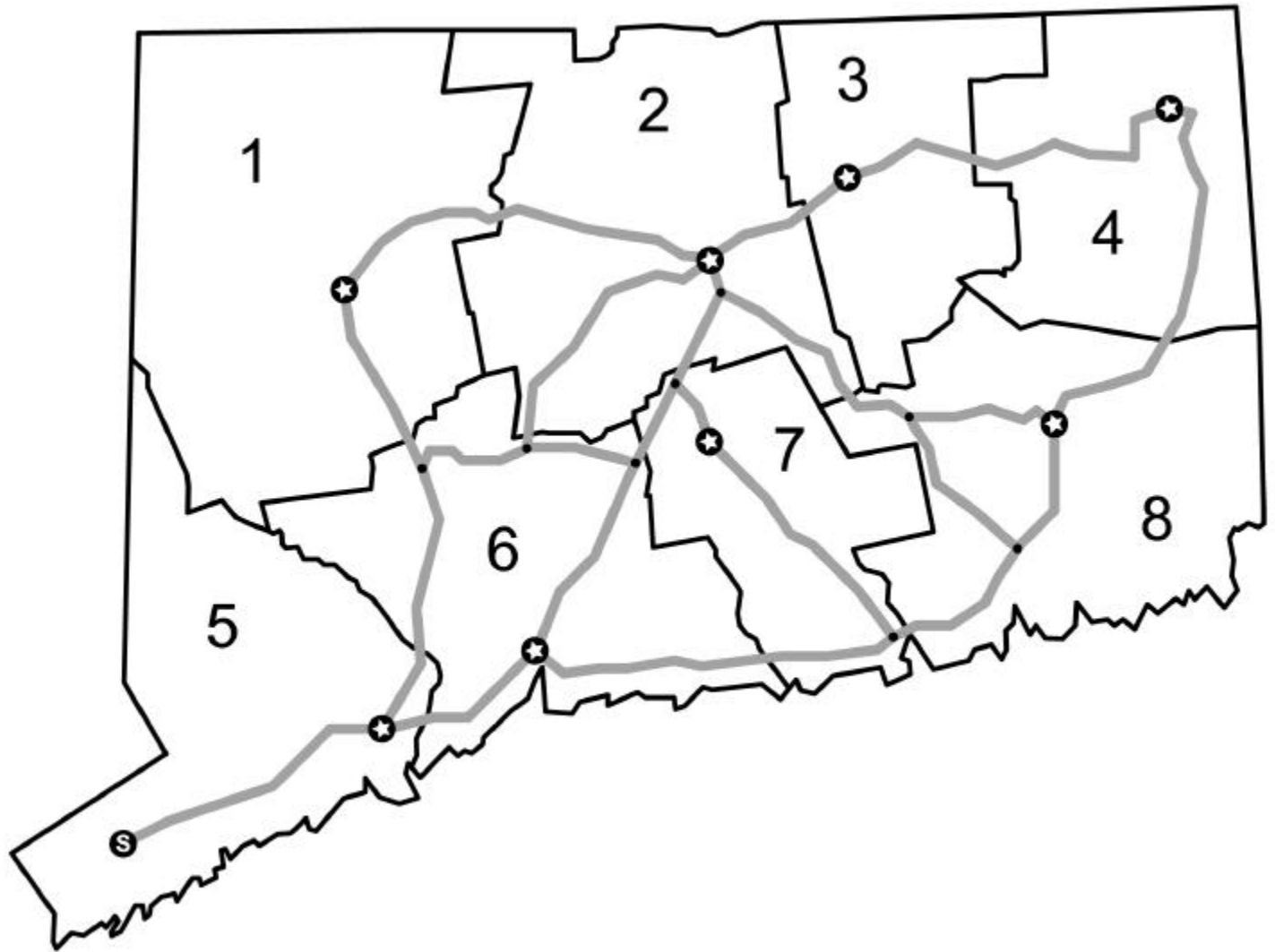
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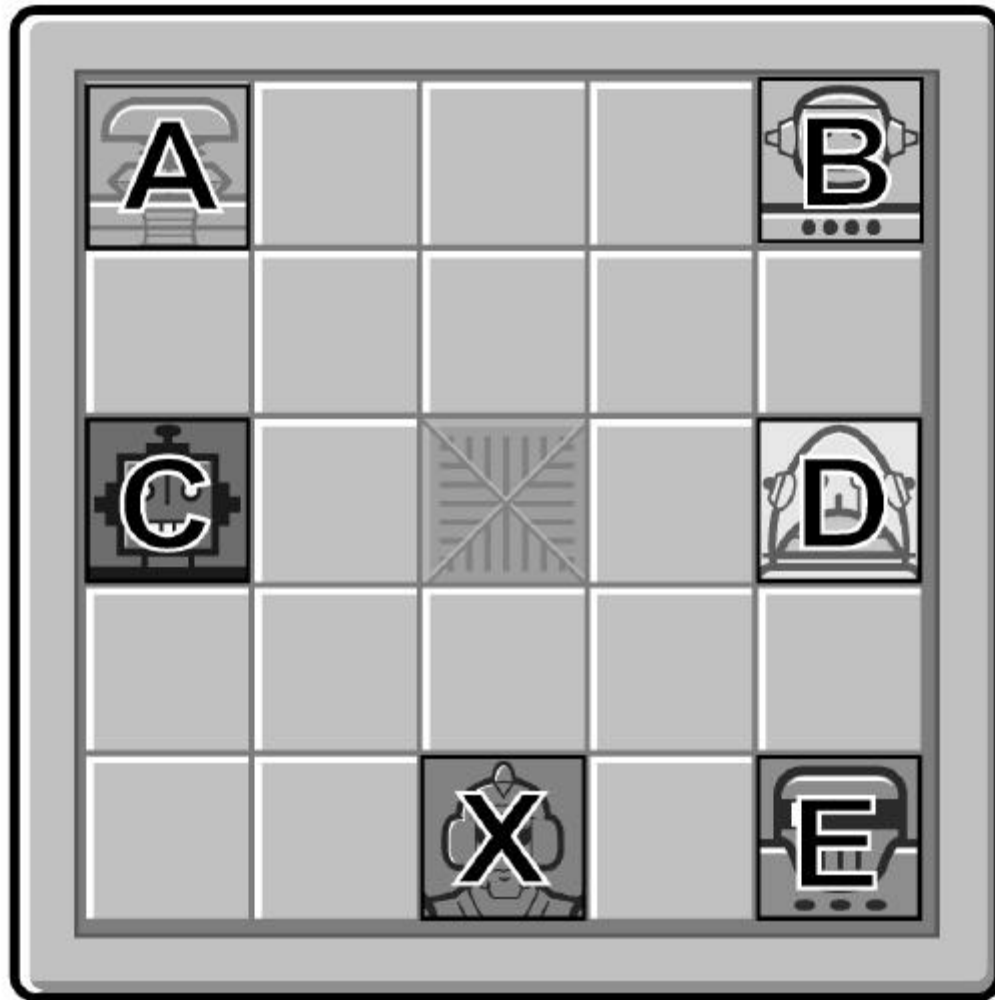
Problem 2



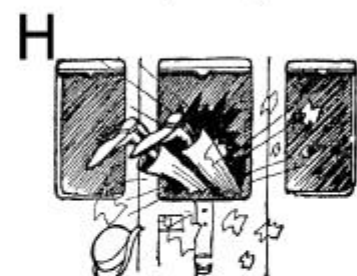
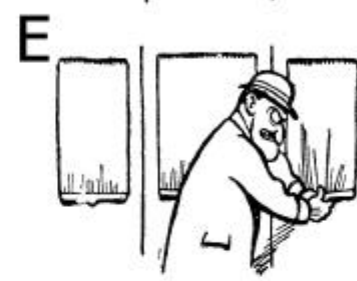
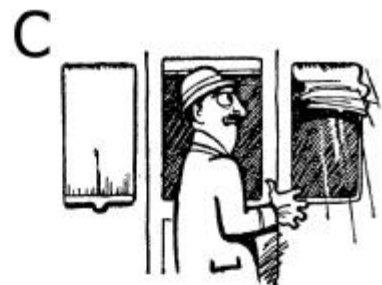
Problem 3



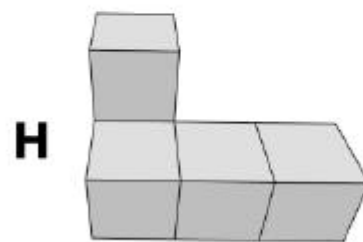
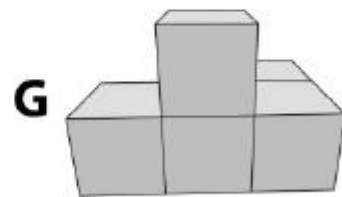
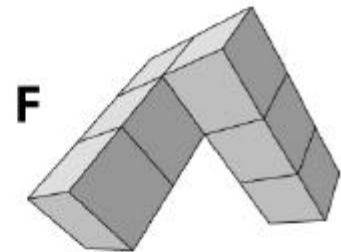
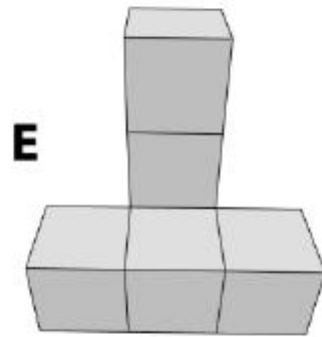
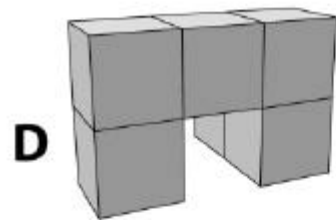
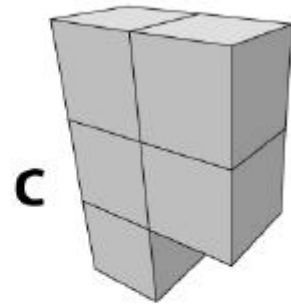
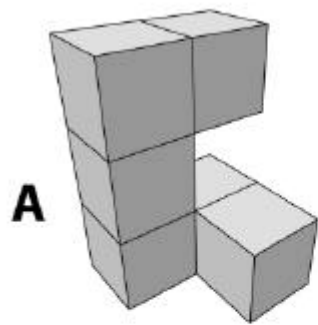
Problem 4



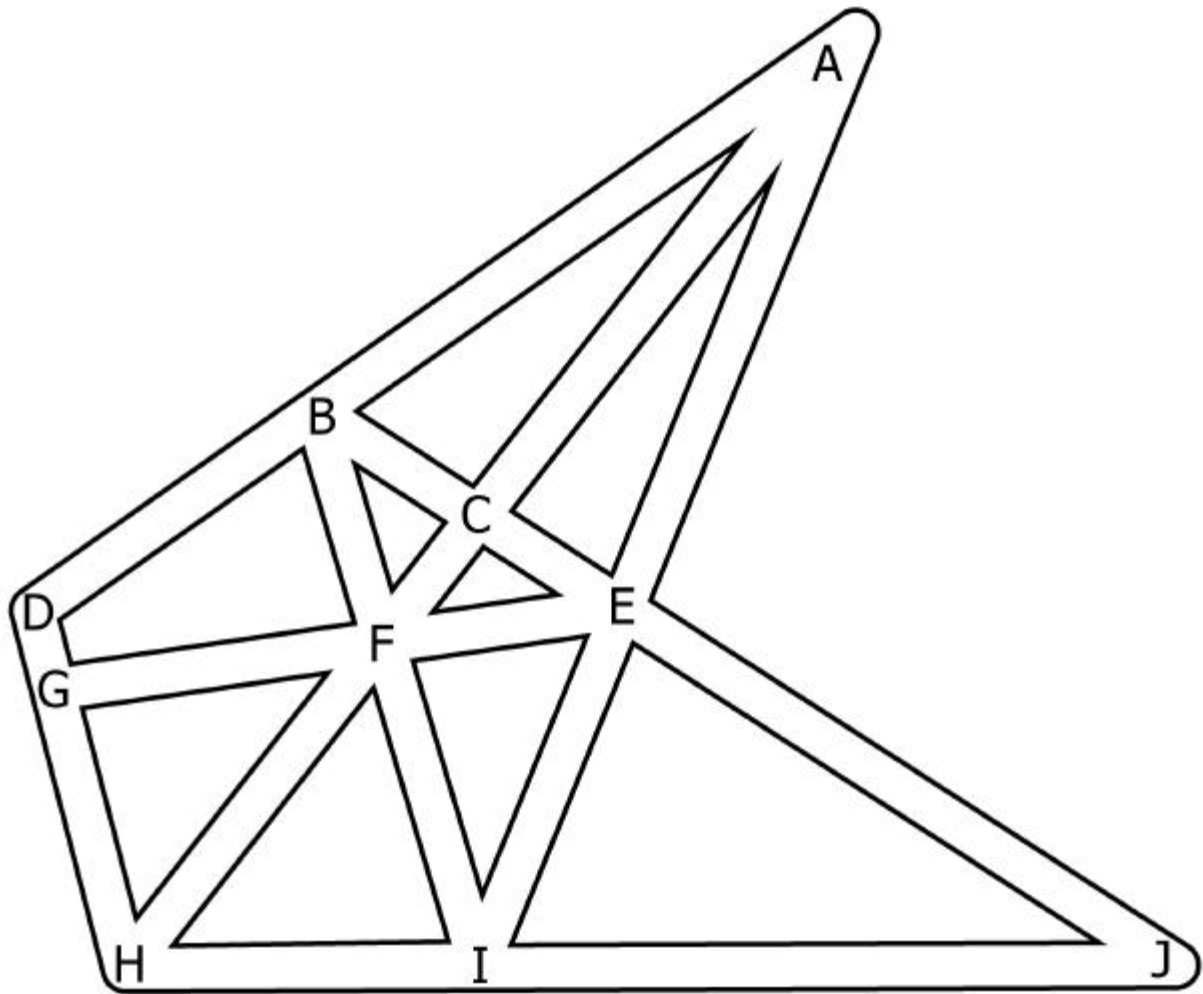
Problem 5



Problem 6



Problem 7



Problem 8

