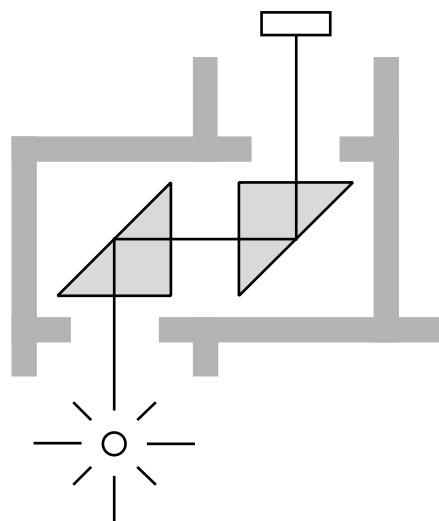


*Liverpool Physics Olympics 1996*



# ***Laser Maze***

*Aim* To reflect the light from a laser through a maze to a designated target.

*Materials* 1 maze 4 right-angle prisms

*Method* The prisms are placed in the maze such that, when the laser is activated, the laser light will be reflected around the maze and hit the target. When the team is ready, a judge will activate the laser to determine whether or not the target is hit.

*Conditions*

- The structure of the maze must not be changed in any way.
- The prisms must all be positioned with one of their triangular faces flat on the base of the maze.

*Time limit* 25 minutes

*Ranking* The ranking order will be determined by the time taken to hit the target, with a 5 minute time penalty for each failed attempt.

***Team***

***Result***

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Do not write below line

***Score***