



ηvision - Circuit Design Challenge

Problem Statement

Ever tried to integrate optics and electronics?? Well this time Electronicka brings Circuit Design Challenge which tests your skills for this task. A pharmaceutical industry produces medicines of different colors, with growing demand it wants to speed up its operation, by sorting the medicines of different colors automatically rather than manually.

Participants need to design the circuit for the above operation.

Useful Points

1. Pharmaceutical industry produces medicines of 8 colors namely - . Blue, green, red, magenta, yellow, cyan, black and white.
2. Convex Lens might help (:P).
3. A packet of medicines contain 10 medicines.

Constraints

1. No microcontrollers allowed.
2. You can't use more than three convex lenses. (:D)

Evaluation

1. +5 Points – For each medicine sample color detected.
2. -2 Points - For each detection error in a packet.