

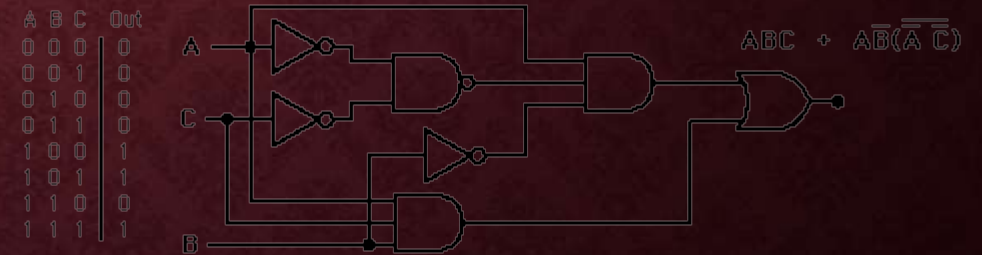
THE ULTIMATE SWOT

• ROUND 1:

- The participants are tested on the basis of their knowledge and circuit designing and deciphering skills.
- Participants are required to have basic knowledge of logic circuits (analog and digital).

RULES:

- 10 groups will be selected for next round.
- Each group will have 2 members.



It can be simplified by:

$ABC + \overline{A}\overline{B}(\overline{A} + \overline{C})$	DeMorgan's theorem
$ABC + \overline{A}\overline{B}\overline{A} + \overline{A}\overline{B}\overline{C}$	sum of products form
$ABC + \overline{A}\overline{B} + \overline{A}\overline{B}\overline{C}$	$BA=AB$ and $AA=A$
$AC(B + \overline{B}) + \overline{A}\overline{B}$	
$AC + \overline{A}\overline{B}$	$B + \overline{B} = 1$
$A(C + \overline{B})$	



THE ULTIMATE SWOT

ROUND 2:

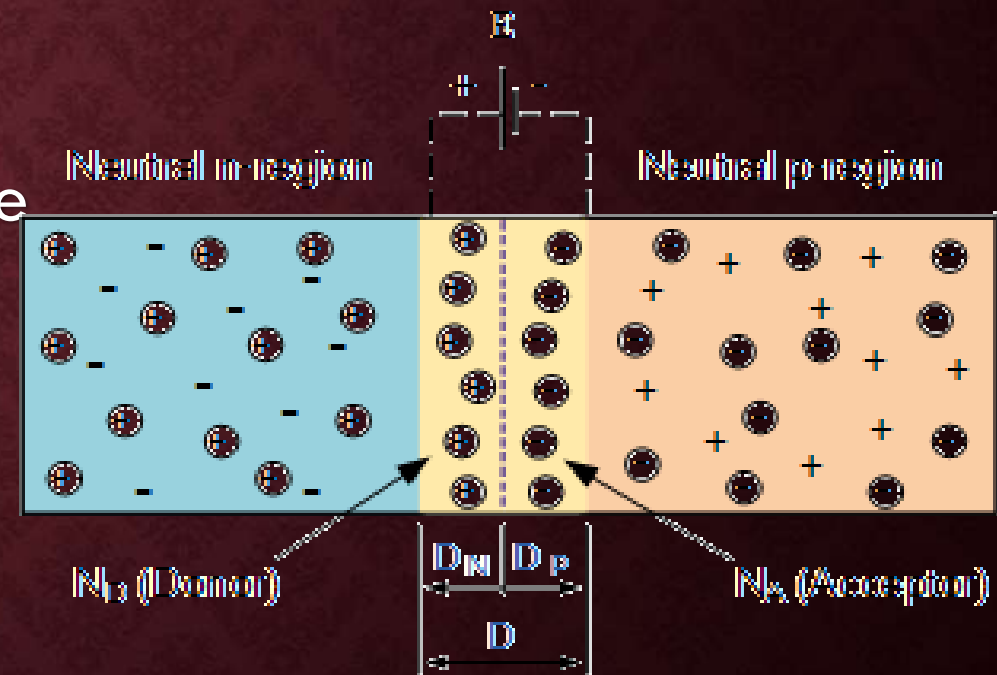
This round tests the participants knowledge on basic semiconductor physics and electronics devices and circuits. It consists of 20 multiple choice questions based on semiconductor physics. Time provided is 30 minutes.

JUDGING CRITERIA:

- Accuracy

RULES:

- 10 groups will be selected for next round.
- Each group will have 2 members



THE ULTIMATE SWOT

RULES AND REGULATIONS :

- 10 participants will be selected for the next round.
- The decision of judges and event coordinators shall be treated as final and binding to all.
- A basic knowledge of digital, semiconductor physics and electronic devices is necessary.
- Any malpractice is strictly treated and is submitted to The Cognitia Disciplinary Committee.

