

## **Answer**





or parents

## Ruhanika105

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Since there are no minority carriers in the junction, the 'storage' time (the time required for the minority carriers to recombine with the majority carriers in the junction) is zero.

The only time required for the diode to turn off is the transit time of the majority carriers across the junction.

Thus schottky diode helps in reducing storage time.

hope it helps....



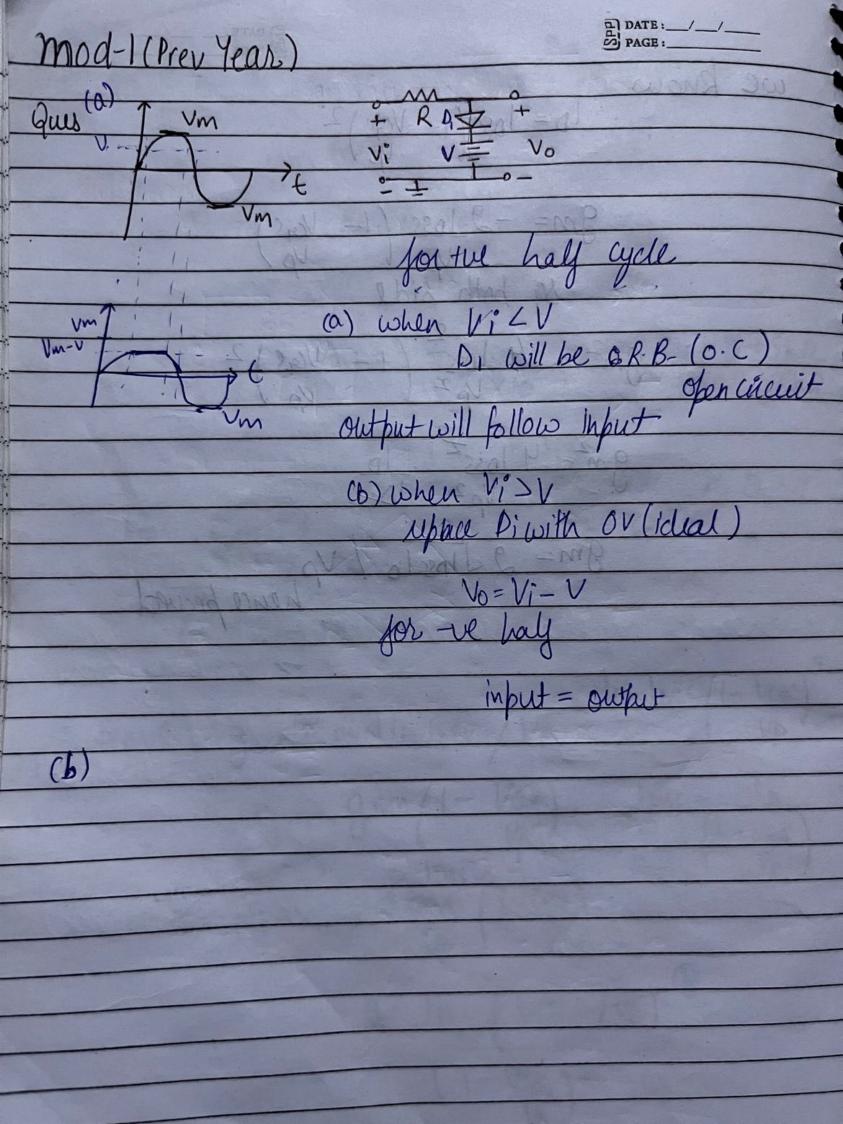
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## What is Gray Code?

This code belongs to a class of codes called minimum change code in which only one bit in the code group changes when going from one step to the next.

This is an un-weighted code which means that there are no specific weights assigned to the bit positions. Because of this the Gray code is not suited for arithmetic operations but finds applications is input/output devices and some types of analog to digital converters (ADCs)

## **Advantages of Gray Code**

In Gray code, if we go from one decimal number to next, only one bit of the gray code changes. Because of this feature, an amount of switching is minimized and the reliability of the switching systems is improved.

Advantage of grey code over binary is only one-bit changes for each step. This will be useful in circuits that are sensitive to glitches. Example: When you use grey code to trim the output impedance of IO blocks, their won't be a huge jump in codes momentarily that would cause reflection.

The reflected binary code was originally designed to prevent spurious output from electromechanical switches. Today, Gray codes are widely used to facilitate error correction in digital communications such as digital terrestrial television and some cable TV systems.















> Advantag















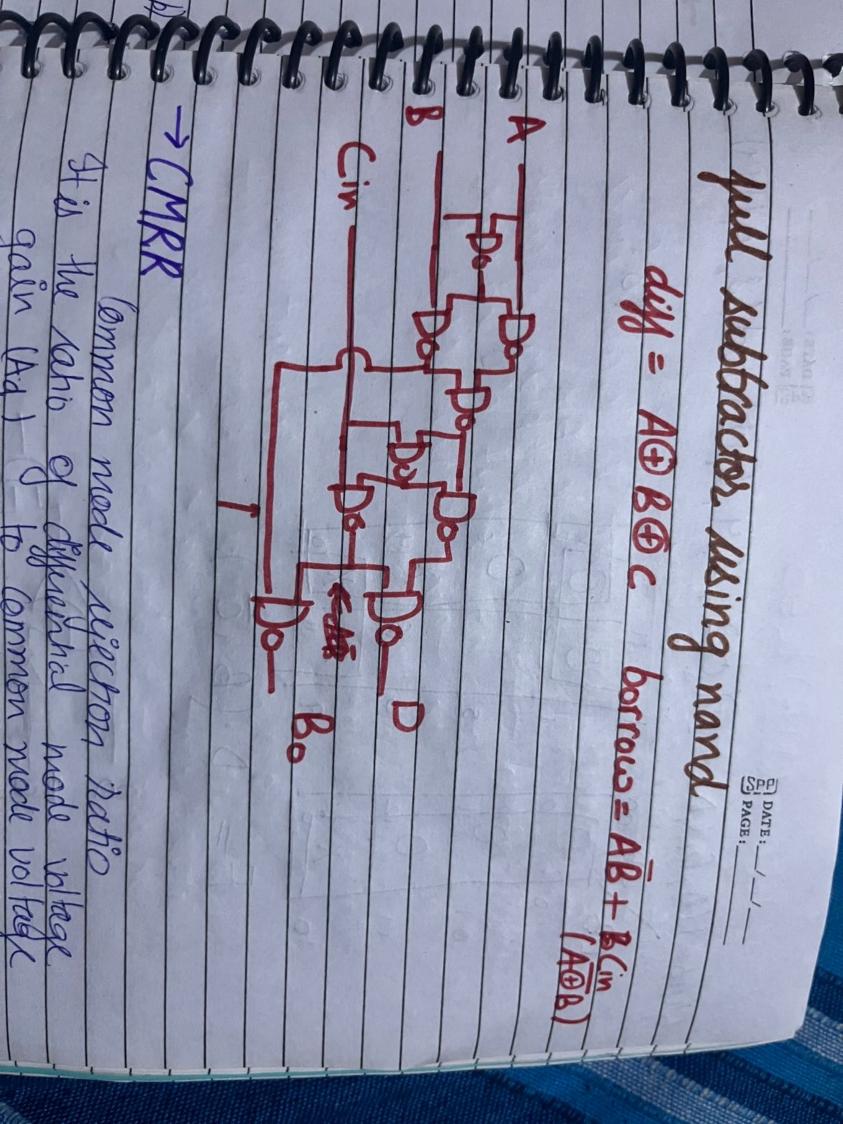












Common mode rejection tratio the satio of differential mode voltage Common made voltage CMRR ð numeri Cal CMRR = 3250 CMRR = Ad 6.2 X 3250 Ad=Vo 4550 ml = 4.55 V ms Good Write SO X 7 my Va

