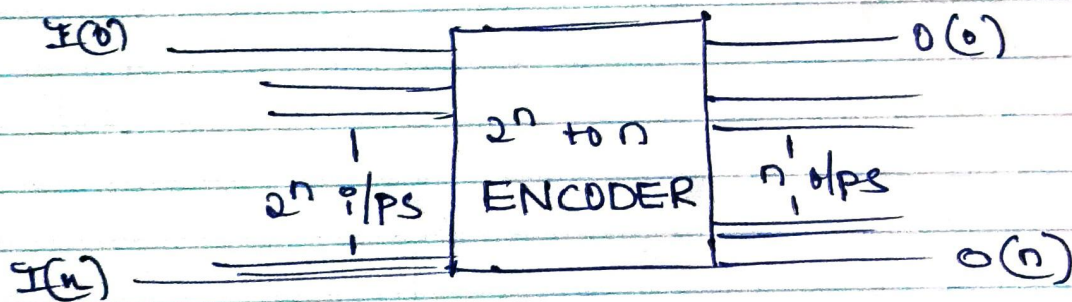


ENCODER

An encoder is a digital combinational circuit that converts a human friendly information into a coded format for processing using machines. In simple words, an encoder converts a piece of information normal form to coded form. This process is called encoding.

Encoders are crucial components in various digital electronics applications such as data transmission, controlling and automation, communication, signal processing, etc.

An encoder consists of a certain number of i/p & o/p lines. where, an encoder can have maximum of " 2^n " i/p lines whereas " n " o/p lines.



Circuit Diagram of 4x2 ENCODER :-

