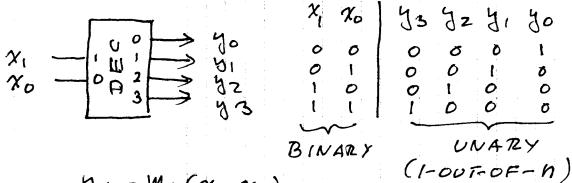
## DVERVIEW OF MAIN COMBINATIONAL

## MODULES

## 1. DECODER



Ji=Mi(X1, X0)

BINARY DECIDER OF & INDUTS,

PRODUCES 2 & OUTPUTS, CORRESPONDING

TO ALL MINTERMS.

## 2, ENCODER

- DATA ROUTING

$$S = 2a_1 + b_0 \in \{0, 1, 2, 33, y = x_5\}$$

SWITCH ERVIVALENT:

$$\Delta = 2\Delta_1 + \Delta_0 \in \{0, 1, 2, 3\}$$

$$4\Delta = X$$

SWITCH EQUIVALENT:

- BIT-VECTOR MOVEMENT

