

sum of product[illegible]

- Fill in the Karnaugh map

| cd | ab | 00 | 01 | 11 | 10 |
|----|----|----|----|----|----|
| 00 |    | 1  | 1  | 0  | 0  |
| 01 |    | 1  | 0  | 1  | 1  |
| 11 |    | 0  | 1  | 1  | 1  |
| 10 |    | 0  | 1  | 0  | 1  |

\* Full time Nottingham City

|    | ab |    |    |    |
|----|----|----|----|----|
| cd | 00 | 01 | 11 | 10 |
| 00 | 1  | 1  | 0  | 0  |
| 01 | 1  | 0  | 1  | 1  |
| 11 | 0  | 1  | 1  | 1  |
| 10 | 0  | 1  | 0  | 1  |

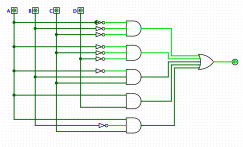
mitern
$$red = a\bar{b}c$$

০৯০৭৬: ৯৮০

$$y_{olew} = \bar{a} \cdot bc$$

green = ad

blue:  $a\bar{b}c$



• Complete the truth table below:

| x3 | x2 | x1 | x0 | output |
|----|----|----|----|--------|
| 0  | 0  | 0  | 0  | 1      |
| 0  | 0  | 0  | 1  | 1      |
| 0  | 0  | 1  | 0  | 1      |
| 0  | 0  | 1  | 1  | 1      |
| 0  | 1  | 0  | 0  | 0      |
| 0  | 1  | 0  | 1  | 0      |
| 0  | 1  | 1  | 0  | 0      |
| 0  | 1  | 1  | 1  | 0      |
| 1  | 0  | 0  | 0  | 0      |
| 1  | 0  | 0  | 1  | 1      |
| 1  | 0  | 1  | 0  | 0      |
| 1  | 0  | 1  | 1  | 1      |
| 1  | 1  | 0  | 0  | 1      |
| 1  | 1  | 0  | 1  | 0      |
| 1  | 1  | 1  | 0  | 0      |
| 1  | 1  | 1  | 1  | 0      |

|    |  |  |  |    |    |    |    |
|----|--|--|--|----|----|----|----|
|    |  |  |  | 00 | 01 | 11 | 10 |
| 00 |  |  |  | 1  | 1  | 1  | 1  |
| 01 |  |  |  | 0  | 0  | 0  | 0  |
| 11 |  |  |  | 1  | 1  | 1  | 1  |
| 10 |  |  |  | 0  | 1  | 1  | 1  |

$$Q_{\text{ave}} = n_3 \bar{x}_2$$

Ref. # 2322

Group 2:  $K_2 = 0$   
 Prob:  $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

1424 x321





















