

Seminar 1 → 6.30 - 8.00
 FMI NO SRESS 30 OCT

Get neg. competitiv | 18-20 mii
 20 mai 27 oct

RCPC 20 NOI
 SEERC 10 DEC

3-13 NOI concurs
 echipe
 calificare

Logică + carte

| AND | 0 | 1 |
|-----|---|---|
| 0 | 0 | 0 |
| 1 | 0 | 1 |

| OR | 0 | 1 |
|----|---|---|
| 0 | 0 | 1 |
| 1 | 1 | 1 |

| XOR | 0 | 1 |
|-----|---|---|
| 0 | 0 | 1 |
| 1 | 1 | 0 |

| NOT | 0 | 1 |
|-----|---|---|
| 0 | 1 | 0 |

1) Inversati valorile a 2 variabile
 folosind ' XOR.

$$a \wedge b \wedge$$

11001100
 11001011

6. $x=0, n=22$
 $x=1, n=1$

* $x = \frac{n(n+1)}{2}$ - suma Rădăcilor
 $O(N)$ timp
 $O(1)$ spațiu

$$8. \quad \text{sum_lps} = \frac{n(n+1)}{2} - \text{sum_right}$$

$$\text{med} = \frac{\text{sum_lps}}{2}$$

$$X \leq \text{med}, \quad Y > \text{med}$$

$$X = \frac{\text{med} \cdot (\text{med} + 1)}{2} - \text{sum_right} - \text{med}$$

$$Y = \text{sum}(n) - \text{sum}(\text{med}) - \frac{n(n+1)}{2} - \text{med}$$

$a_1 \dots a_n$

$\text{left}[0/1], \text{right}[0/1]$