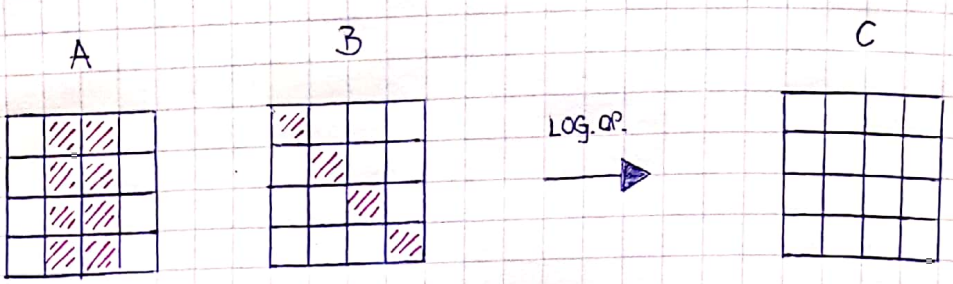
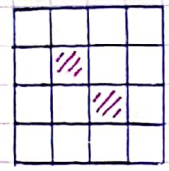
# - OSNOVNI LOGIČKI OPERATORI NAD SLIKAMA -




1. „I"

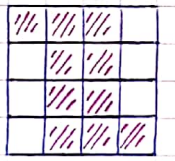


1 → ▨ 0 → □

| A | B | C |
|---|---|---|
| 0 | 0 | 0 |
| 0 | 1 | 0 |
| 1 | 0 | 0 |
| 1 | 1 | 1 |

$C = A \cdot B$ („A")

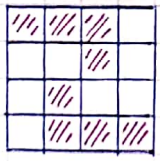
2. „ILI"



| A | B | C |
|---|---|---|
| 0 | 0 | 0 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 1 |

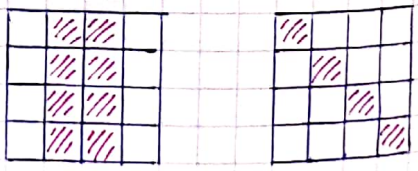
$C = A + B$ („ILI")

3. „EX-ILI"



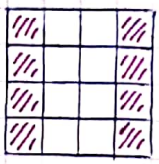
| A | B | C |
|---|---|---|
| 0 | 0 | 0 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 0 |

EX



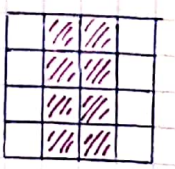
$C = A \oplus B$

4. „NE"



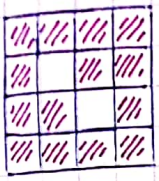
$C = \overline{A}$

| A | $C = \overline{A}$ |
|---|---|
| 0 | 1 |
| 1 | 0 |



5. „NI"

C

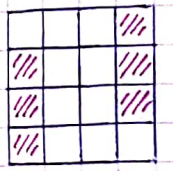


| A | B | C |
|---|---|---|
| 0 | 0 | 1 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 0 |

$C = \overline{A \cdot B}$

6. „NILI"

C

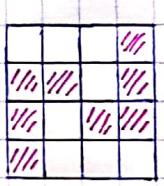


| A | B | C |
|---|---|---|
| 0 | 0 | 1 |
| 0 | 1 | 0 |
| 1 | 0 | 0 |
| 1 | 1 | 0 |

$C = \overline{A + B}$

7. „EX-NILI"

C



| A | B | C |
|---|---|---|
| 0 | 0 | 1 |
| 0 | 1 | 0 |
| 1 | 0 | 0 |
| 1 | 1 | 1 |

$C = \overline{A \oplus B}$

U Photoshopu otvorimo sliku A i B da bi dobili sliku C. Dupliciramo sliku A gdje su nam središnji pikseli crni da dobijemo potpuno isti raspored piksela u slici C. Zatim sliku B selektiramo, kopiramo i zalijepimo u sliku C. Pomoću drop liste možemo raditi sve moguće kombinacije koje Photoshop podržava između layera.

- Lighten - za presjek slike
- Multiply - „ILI" operacija
- Difference - „EX-NILI" operacija ; govori nam koji su pikseli jednaki, s njom se npr. radi statistička obrada slike da se vidi koliko su dvije slike slične

Ako jednu sliku invertiramo i napravimo kombinaciju onda smo automatski „NI", „NILI" ili „EX-NILI" operaciju napravili.