Informatika

Ime i prezime: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ razred: 1. \_ 21. 12. 2016. Grupa B

1. Rješenja slijedećih izraz upiši u tablicu
	1. $X=\overbar{A}\*B\*C+\overbar{A}\*\overbar{B}\*C+C\*\overbar{A}\*\overbar{B}$
	2. $Y=A\*(\overbar{C}+A)$

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A | B | C | X | Y |
| 0 | 0 | 0 |  |  |
| 0 | 0 | 1 |  |  |
| 0 | 1 | 0 |  |  |
| 0 | 1 | 1 |  |  |
| 1 | 0 | 0 |  |  |
| 1 | 0 | 1 |  |  |
| 1 | 1 | 0 |  |  |
| 1 | 1 | 1 |  |  |

1. Iz tablice pročitaj izraz i minimiziraj ga
	1. $X=$
	2. $Y=$

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A | B | C | X | Y |
| 0 | 0 | 0 | 1 | 1 |
| 0 | 0 | 1 | 0 | 1 |
| 0 | 1 | 0 | 1 | 0 |
| 0 | 1 | 1 | 1 | 1 |
| 1 | 0 | 0 | 1 | 0 |
| 1 | 0 | 1 | 0 | 0 |
| 1 | 1 | 0 | 1 | 0 |
| 1 | 1 | 1 | 0 | 0 |

1. Pojednostavnite logički izraz tako da ga napišete s najmanjim mogućim brojem logičkih operacija.
	1. $X=A\*D+\overbar{A+B+\overbar{C}\*D}$