Thuisopdracht 1:

True/false

Aan/uit

Thuisopdracht 2:

A:

|  |  |  |
| --- | --- | --- |
| S1 | S1 | l |
| 0 | 0 | 0 |
| 0 | 1 | 0 |
| 1 | 0 | 0 |
| 1 | 1 | 1 |

B:

|  |  |  |
| --- | --- | --- |
| S1 | S2 | L |
| 1 | 0 | 1 |
| 1 | 1 | 1 |
| 0 | 0 | 0 |
| 0 | 1 | 1 |

C: 6

D: ?

Thuisopdracht 3:



thuisopdracht 4:

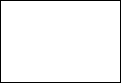
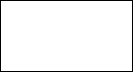


|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Functie | Symbool ieee | Symbool iec | Booleaanse uitdrukking | waarheidstabel |
| Not |  |  | Y=A |  |
| And |  |  | Y = a \* b |  |
| Or |  |  | Y = a + b |  |
| Nand |  |  | Y = a \* b |  |
| Nor |  |  | Y = a + b |  |
| xor |  |  | Y = a + b |  |
| exnor |  |  | Y = a +rodnje b streepje) |  |

Labopdracht 1:

1. 2.6v
2. 0.8\*3.3 = 2.64v
3. Ja
4. 4.10v is high alles er onder is low

Labopdracht 2



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S1 | S2 | S3 | res | |
| 1 | 1 | 1 | 1 | |
| 1 | 1 | 0 | 1 | |
| 1 | 0 | 0 | 0 | |
| 1 | 0 | 1 | 1 | |
| 0 | 0 | 1 | 1 | |
| 0 | 0 | 0 | 0 | |
| 0 | 1 | 0 | 0 | |
| 0 | 1 | 1 | 1 |

2. Het klopt
3. 1.8v
4. 3v
5. 0.9mA
6. 0.9mA

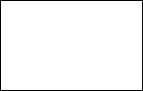
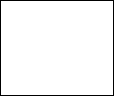
Labopdracht 3:

1. 1kHz, 1V
2. Gedaan
3. Gedaan
4. Gedaan

Labopdracht 4:







labopdracht 5:



1. 1. And
   2. Nand
   3. Or
   4. Nor
   5. Xor
   6. Xnor
2. 1. 1Hz, 0.5sec aan, 0.5sec uit
   2. 1.67Hz, 100ms aan, 500ms uit
   3. 500Hz, 1ms aan, 1ms uit