**Arquitetura e Organização de Computadores II**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| A | B | C | Y | mintermo | maxtermo |
| 0 | **0** | **0** | **0** |  | **A+B+C** |
| 0 | **0** | **1** | **0** |  | **A+B+C’** |
| 0 | **1** | **0** | **0** |  | **A+B’+C** |
| 0 | **1** | **1** | **0** |  | **A+B’+C’** |
| 1 | **0** | **0** | **0** |  | **A’+B+C** |
| 1 | **0** | **1** | **0** |  | **A’+B+C’** |
| 1 | **1** | **0** | **1** | **A.B.C’** |  |
| 1 | **1** | **1** | **1** | **A.B.C** |  |

**Mintermo ->** Y = ABC’ + ABC

**Maxtermo ->** Y = (A+B+C) . (A+B+C’) . (A+B’+C) . (A+B’+C’) . (A’+B+C) . (A’+B+C’)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **BC** |  |  |  |  |
| **A** |  | **00** | **01** | **11** | **10** |
|  | **0** | 0 | 0 | 0 | 0 |
|  | **1** | 0 | 0 | 1 | 1 |

**Mapa K**

Y = ABC’ + ABC

Y = AB (C’ + C)

Y = AB

Y = AB