-Họ và Tên : Nguyễn Tấn Thành

-MSSV : 52100841

\_Nhóm : 14

1. CHỨNG MINH: X + X’.Y =X+Y

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| X | Y | X’ | X.’Y | X+X’.Y | X+Y |
| 0 | 0 | 1 | 0 | 0 | 0 |
| 0 | 1 | 1 | 1 | 1 | 1 |
| 1 | 0 | 0 | 0 | 1 | 1 |
| 1 | 1 | 0 | 0 | 1 | 1 |

1. CHỨNG MINH : X.(X.’+Y) = X.Y

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| X | Y | X’ | X’+Y | X.(X’+Y) | X.Y |
| 0 | 0 | 1 | 1 | 0 | 0 |
| 0 | 1 | 1 | 1 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 0 | 1 | 1 | 1 |

1. CHỨNG MINH : (X+Y)’=X’.Y’

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| X | Y | X’ | Y’ | X+Y | (X+Y)’ | X’.Y’ |
| 0 | 0 | 1 | 1 | 0 | 1 | 1 |
| 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| 1 | 0 | 0 | 1 | 1 | 0 | 0 |
| 1 | 1 | 0 | 0 | 1 | 0 | 0 |

1. CHỨNG MINH : (X.Y)’ X’+Y’

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| X | Y | X’ | Y’ | X.Y | (X.Y)’ | X’+y’ |
| 0 | 0 | 1 | 1 | 0 | 1 | 1 |
| 0 | 1 | 1 | 0 | 0 | 1 | 1 |
| 1 | 0 | 0 | 1 | 0 | 1 | 1 |
| 1 | 1 | 0 | 0 | 1 | 0 | 0 |