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Turma: 1° Semestre ADS B

| | Tabela verdade | | | | |
|---|----------------|---|---|---|--|
| A | B | C | D | E | |
| 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | 1 | |
| 0 | 0 | 0 | 1 | 0 | |
| 0 | 0 | 0 | 1 | 1 | |
| 0 | 0 | 1 | 0 | 0 | |
| 0 | 0 | 1 | 0 | 1 | |
| 0 | 0 | 1 | 1 | 0 | |
| 0 | 0 | 1 | 1 | 1 | |
| 0 | 1 | 0 | 0 | 0 | |
| 0 | 1 | 0 | 0 | 1 | |
| 0 | 1 | 0 | 1 | 0 | |
| 0 | 1 | 0 | 1 | 1 | |
| 0 | 1 | 1 | 0 | 0 | |
| 0 | 1 | 1 | 0 | 1 | |
| 0 | 1 | 1 | 1 | 0 | |
| 0 | 1 | 1 | 1 | 1 | |
| 1 | 0 | 0 | 0 | 0 | |
| 1 | 0 | 0 | 0 | 1 | |
| 1 | 0 | 0 | 1 | 0 | |
| 1 | 0 | 0 | 1 | 1 | |
| 1 | 0 | 1 | 0 | 0 | |
| 1 | 0 | 1 | 0 | 1 | |
| 1 | 0 | 1 | 1 | 0 | |
| 1 | 0 | 1 | 1 | 1 | |
| 1 | 1 | 0 | 0 | 0 | |
| 1 | 1 | 0 | 0 | 1 | |
| 1 | 1 | 0 | 1 | 0 | |
| 1 | 1 | 0 | 1 | 1 | |
| 1 | 1 | 1 | 0 | 0 | |
| 1 | 1 | 1 | 0 | 1 | |
| 1 | 1 | 1 | 1 | 0 | |
| 1 | 1 | 1 | 1 | 1 | |

| A * B | C*D | S1+S2+E | S3*E | |
|-------|-----|---------|------|--|
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 1 | 1 | 1 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 1 | 1 | 1 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 1 | 1 | 1 | |
| 1 | 0 | 1 | 1 | |
| 1 | 0 | 1 | 1 | |
| 1 | 0 | 1 | 1 | |
| 1 | 1 | 1 | 1 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 1 | 1 | 1 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 1 | 1 | 1 | |
| 1 | 0 | 1 | 1 | |
| 1 | 0 | 1 | 1 | |
| 1 | 0 | 1 | 1 | |
| 1 | 1 | 1 | 1 | |

| Saída |
|-------|
| !S0 |
| 1 |
| 1 |
| 1 |
| 0 |
| 1 |
| 1 |
| 1 |
| 0 |
| 0 |
| 1 |
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| 1 |
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| 0 |
| 1 |
| 1 |
| 1 |
| 0 |
| 0 |
| 0 |
| 0 |
| 0 |

| Formula |
|-----------------------------|
| S = ![(A*B) + (C*D) + E]*E) |
| 1 ° passo : A and B |
| 2 ° passo : C and S |
| 3 ° passo : S1 or S2 or E |
| 4 ° passo : S3 and E |
| 5 ° passo : Negação S0 |

