1) Tabela Verdade:

A B C D E S

0 0 0 0 0 0

0 0 0 0 1 0

0 0 0 1 0 0

0 0 0 1 1 1

0 0 1 0 0 0

0 0 1 0 1 0

0 0 1 1 0 0

0 0 1 1 1 1

0 1 0 0 0 0

0 1 0 0 1 0

0 1 0 1 0 0

0 1 0 1 1 1

0 1 1 0 0 0

0 1 1 0 1 0

0 1 1 1 0 0

0 1 1 1 1 1

1 0 0 0 0 0

1 0 0 0 1 0

1 0 0 1 0 0

1 0 0 1 1 1

1 0 1 0 0 0

1 0 1 0 1 0

1 0 1 1 0 0

1 0 1 1 1 1

1 1 0 0 0 0

1 1 0 0 1 0

1 1 0 1 0 0

1 1 0 1 1 1

1 1 1 0 0 1

1 1 1 0 1 1

1 1 1 1 0 1

1 1 1 1 1 1

Equação: S = (ABC) + (DE)

Imagem:

Diagrama, Esquemático

Descrição gerada automaticamente

2)

Tabela Verdade:

A B C D E F S

0 0 0 0 0 0 0

0 0 0 0 0 1 0

0 0 0 0 1 0 0

0 0 0 0 1 1 1

0 0 0 1 0 0 0

0 0 0 1 0 1 0

0 0 0 1 1 0 0

0 0 0 1 1 1 1

0 0 1 0 0 0 0

0 0 1 0 0 1 0

0 0 1 0 1 0 0

0 0 1 0 1 1 1

0 0 1 1 0 0 1

0 0 1 1 0 1 1

0 0 1 1 1 0 1

0 0 1 1 1 1 1

0 1 0 0 0 0 0

0 1 0 0 0 1 0

0 1 0 0 1 0 0

0 1 0 0 1 1 1

0 1 0 1 0 0 0

0 1 0 1 0 1 0

0 1 0 1 1 0 0

0 1 0 1 1 1 1

0 1 1 0 0 0 0

0 1 1 0 0 1 0

0 1 1 0 1 0 0

0 1 1 0 1 1 1

0 1 1 1 0 0 1

0 1 1 1 0 1 1

0 1 1 1 1 0 1

0 1 1 1 1 1 1

1 0 0 0 0 0 0

1 0 0 0 0 1 0

1 0 0 0 1 0 0

1 0 0 0 1 1 1

1 0 0 1 0 0 0

1 0 0 1 0 1 0

1 0 0 1 1 0 0

1 0 0 1 1 1 1

1 0 1 0 0 0 0

1 0 1 0 0 1 0

1 0 1 0 1 0 0

1 0 1 0 1 1 1

1 0 1 1 0 0 1

1 0 1 1 0 1 1

1 0 1 1 1 0 1

1 0 1 1 1 1 1

1 1 0 0 0 0 1

1 1 0 0 0 1 1

1 1 0 0 1 0 1

1 1 0 0 1 1 1

1 1 0 1 0 0 1

1 1 0 1 0 1 1

1 1 0 1 1 0 1

1 1 0 1 1 1 1

1 1 1 0 0 0 1

1 1 1 0 0 1 1

1 1 1 0 1 0 1

1 1 1 0 1 1 1

1 1 1 1 0 0 1

1 1 1 1 0 1 1

1 1 1 1 1 0 1

1 1 1 1 1 1 1

Equação: S = (AB) + (CD) + (EF)

Imagem:

Diagrama

Descrição gerada automaticamente

3)

Tabela Verdade:

A B C D S

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 1

0 1 1 0 0

0 1 1 1 0

1 0 0 0 1

1 0 0 1 0

1 0 1 0 0

1 0 1 1 1

1 1 0 0 0

1 1 0 1 0

1 1 1 0 0

1 1 1 1 0

Equação: S= A+B +(C D)

Imagem: Diagrama

Descrição gerada automaticamente com confiança média