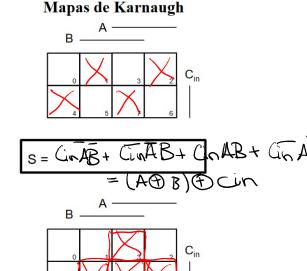


Este cuaderno debe traerse relleno el día de realización de la práctica y debe presentarse al profesor al principio de la sesión. Ningún estudiante podrá montar la práctica si el cuaderno está incompleto o incorrecto.

Fundamentos de Computadores CUADERNO DE LA PRÁCTICA 2

Tabla de verdad del sumador completo de 1 bit

| Cin | A | В | Cout | S |
|-----|---|---|------|---|
| 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 0 | 1 |
| 0 | 1 | 0 | 0 | 1 |
| 0 | 1 | 1 | 1 | 0 |
| 1 | 0 | 0 | 0 | ノ |
| 1 | 0 | 1 | 1 | 0 |
| 1 | 1 | 0 | 1 | 0 |
| 1 | 1 | 1 | 1 | 7 |



Diseño del sumador completo de 1 bit

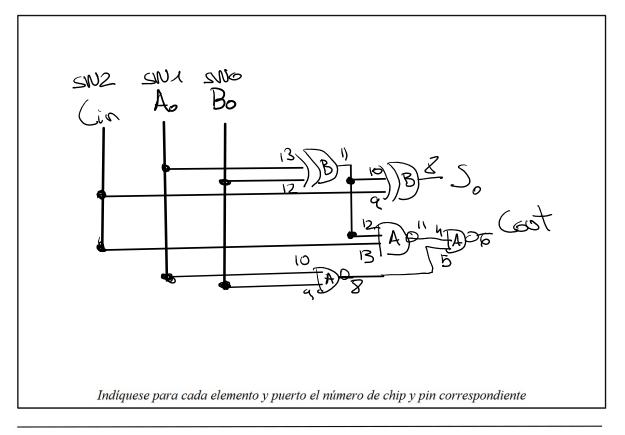


Tabla de verdad del sumador de 2 bits

| Cin | $\mathbf{A_1}$ | A ₀ | B ₁ | \mathbf{B}_0 | Cout | S ₁ | S ₀ |
|-----|----------------|----------------|----------------|----------------|------|----------------|----------------|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | ٥ |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | イ |
| 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | ~ |
| 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 |
| 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 |
| 0 | 0 | 1 | 1 | 1 | ત | 0 | 0 |
| 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| 0 | 1 | 0 | 0 | 1 | ව | 1 | ス |
| 0 | 1 | 0 | 1 | 0 | 1 | 0 | d |
| 0 | 1 | 0 | 1 | 1 | 1 | 0 | 1 |
| 0 | 1 | 1 | 0 | 0 | 0 | 1 | 7 |
| 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 |
| 0 | 1 | 1 | 1 | 0 | 7 | 0 | 7 |
| 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |

| Cin | A ₁ | A ₀ | B ₁ | B ₀ | Cout | S ₁ | S ₀ |
|-----|----------------|----------------|----------------|----------------|------|----------------|----------------|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | ノ |
| 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
| 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 |
| 1 | 0 | 1 | 0 | 0 | 0 | へ | D |
| 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 |
| 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| 1 | 0 | 1 | 1 | 1 | ٨ | 0 | イ |
| 1 | 1 | 0 | 0 | 0 | 0 | ノ | 1 |
| 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 |
| 1 | 1 | 0 | 1 | 0 | 1 | 0 | タ |
| 1 | 1 | 0 | 1 | 1 | ~ | ノ | 0 |
| 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 |
| 1 | 1 | 1 | 0 | 1 | ノ | 0 | 1 |
| 1 | 1 | 1 | 1 | 0 | | 1 | 0 |
| 1 | 1 | 1 | 1 | 1 | 人 | 夂 | 1 |

Diseño del sumador de 2 bits

