

Adder 4-Bit

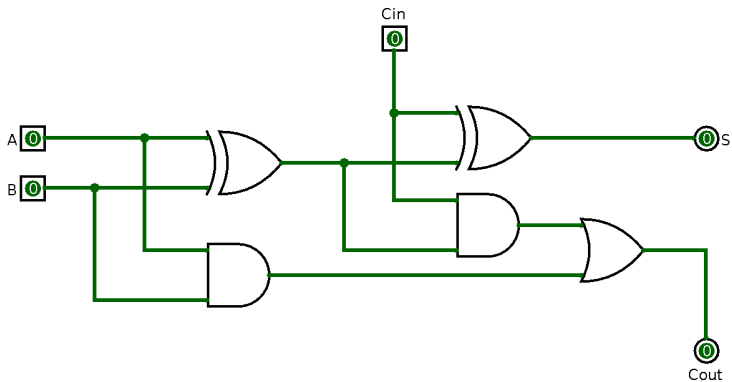
Praktikum Rangkaian Digital

Ilmu Komputer IPB

2019

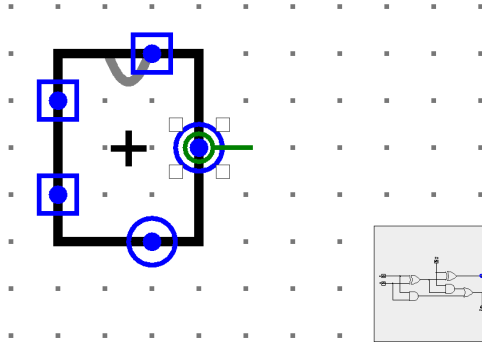
Simulasi

Full Adder 1-Bit



Full adder layout

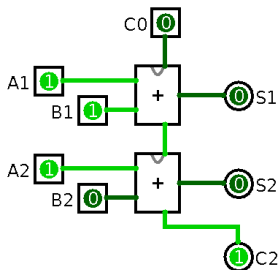
Full Adder 1-Bit (IC)



Full adder IC appearance

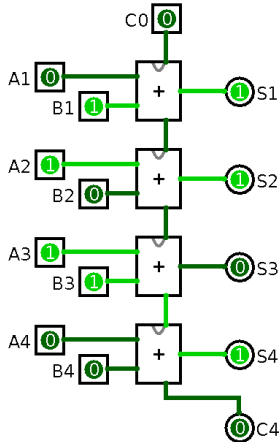
Menu Project – Edit Circuit Appearance

Adder 2-Bit



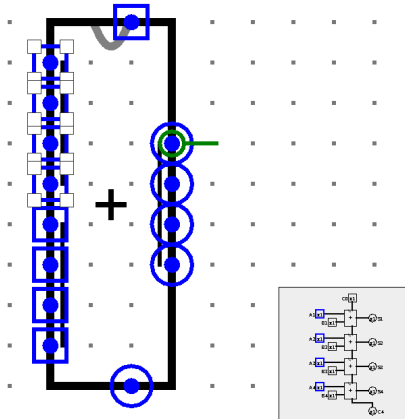
Adder 2-bit

Adder 4-Bit



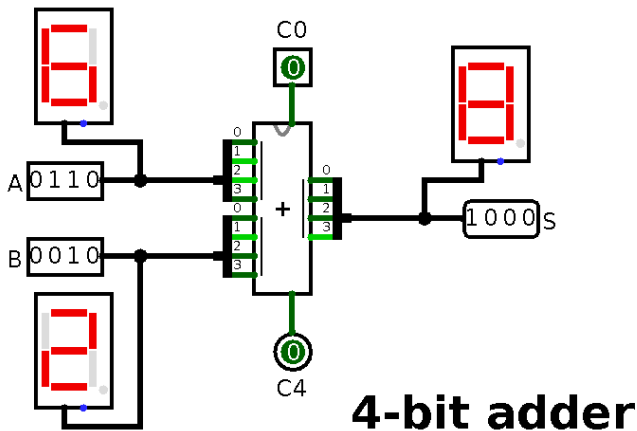
Adder 4-bit

Adder 4-Bit (IC)



Adder 4-bit IC appearance

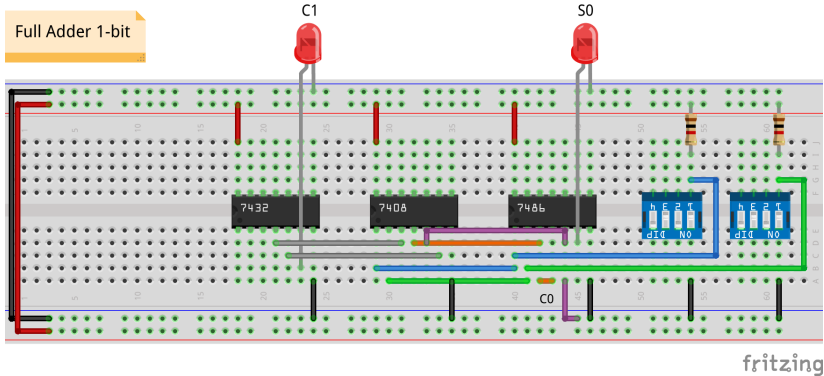
Adder 4-Bit Test



Adder 4-bit test

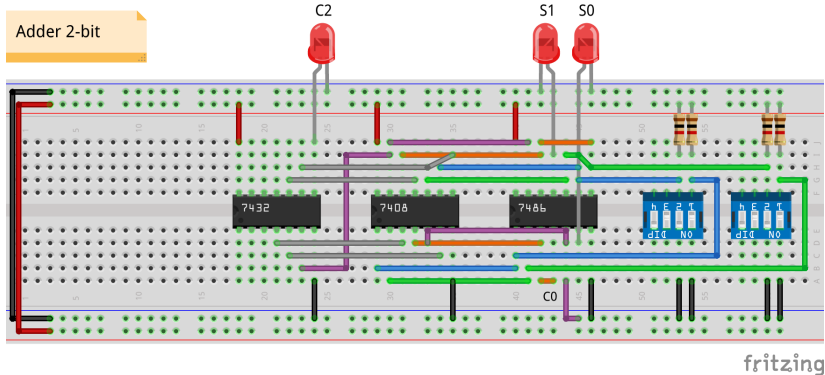
Implementasi

Full Adder 1-Bit



Full adder breadboard

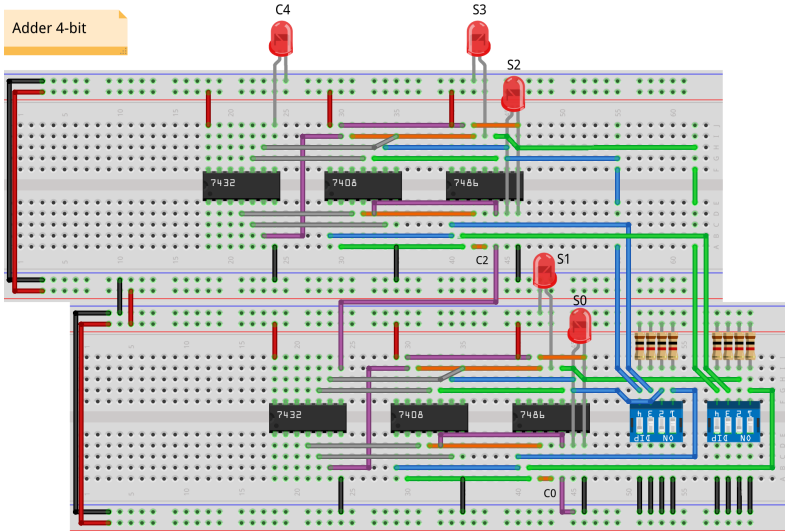
Adder 2-Bit



Adder 2-bit breadboard

Adder 4-Bit

Adder 4-bit



Tugas

Video Demo

- ▶ Dua kelompok
 - ▶ 1–2, 3–4, ...
- ▶ Buat video demo pengujian adder 4-bit
 - ▶ contoh: <https://youtu.be/wvJc9CZcvBc?t=742>
 - ▶ fokus ke rangkaian, tanpa musik
 - ▶ upload ke Youtube, submit *link*-nya ke LMS
 - ▶ paling lambat H+7