• band-pass

$H(f)$
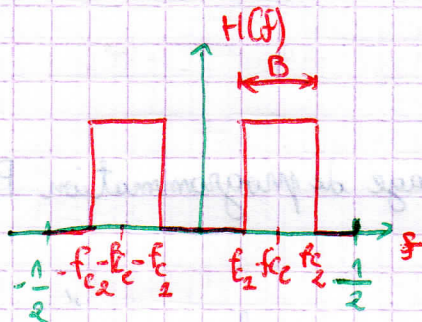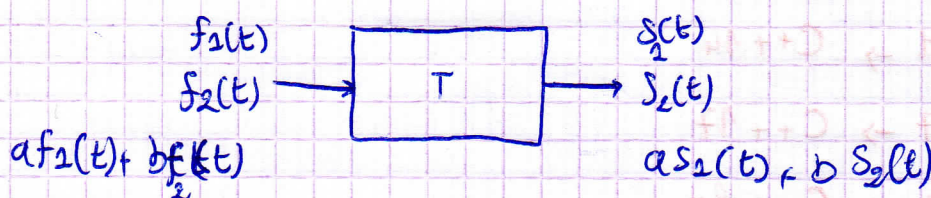

$$H(f) = \begin{cases} 1 & \text{if } f_{c_1} \le f \le f_{c_2} \quad \text{or } -f_{c_2} \le f \le -f_{c_1} \\ 0 & \text{elsewhere} \end{cases}$$

$$f_{ce} = \frac{f_{c_1} + f_{c_2}}{2} \quad , \quad B = f_{c_2} - f_{c_1}$$

10 - 10 - 2024

SAN

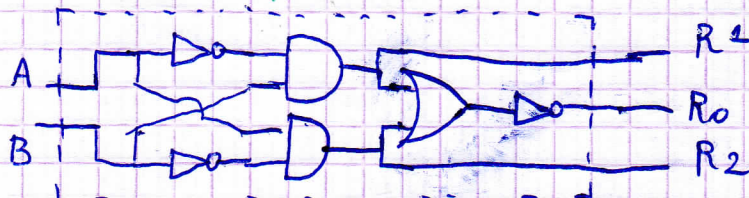☆ Spectre d'un signal = module de transformé de Fourier

$$f_1(t)$$
$$f_2(t) \longrightarrow \boxed{T} \longrightarrow S_1(t), \ S_2(t)$$

$$a f_1(t) + b f_2(t) \qquad a S_1(t) + b S_2(t)$$

✸

$$z = e^{TP}$$

15 - 10 - 2024

FPGA

- Circuit Comparaison :

A $\longrightarrow$ R1
B $\longrightarrow$ R0, R2

$$R_0 = 1 \Rightarrow A = B$$
$$R_1 = 1 \Rightarrow A < B$$
$$R_2 = 1 \Rightarrow A > B$$

POO

1966 → BCPL

1967 → SIMULA : La 1ère langage de programmation POO

1969 → Launguage B

1978 → K & R C "The C programming language" => UNIX

1989 → C 89

1980 → C++

1985 → C++ + inline + Strong typing + Argument défaut

1998 → ISO C++ 98

2003 → C++ 03

2011 → C++ 11

2014 → C++ 14

2017 → C++ 17

2020 → C++ 20

2023 → C++ 23

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