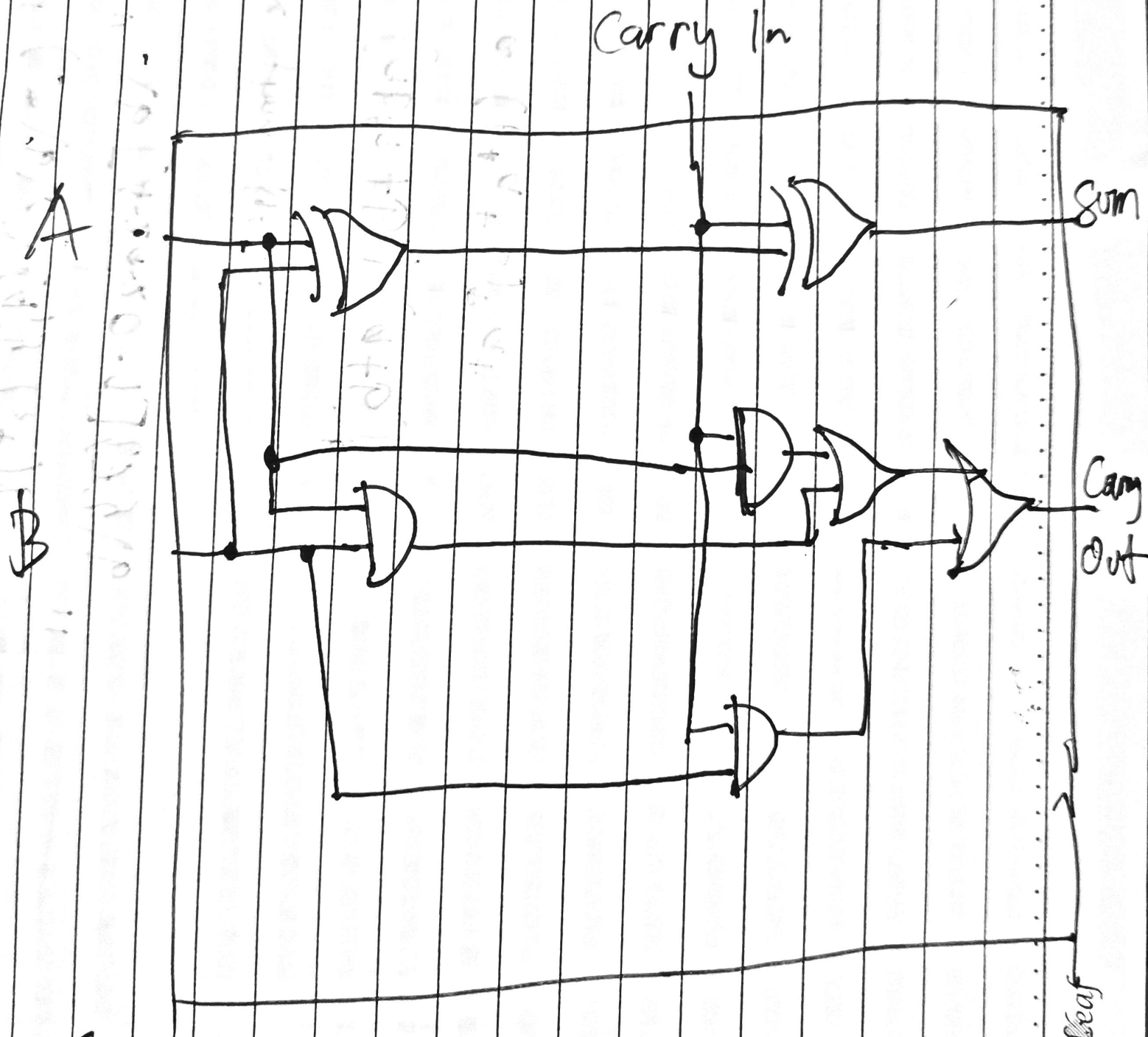


# FULL ADDER



$$\text{Sum} = A \text{ XOR } B \text{ XOR } \text{Carry In}$$

$$\text{Carry Out} = (A \text{ AND } B) \text{ OR } (A \text{ AND } \text{Carry In}) \text{ OR } (B \text{ AND } \text{Carry In})$$

Spring Leaf