

# Derivation diagram

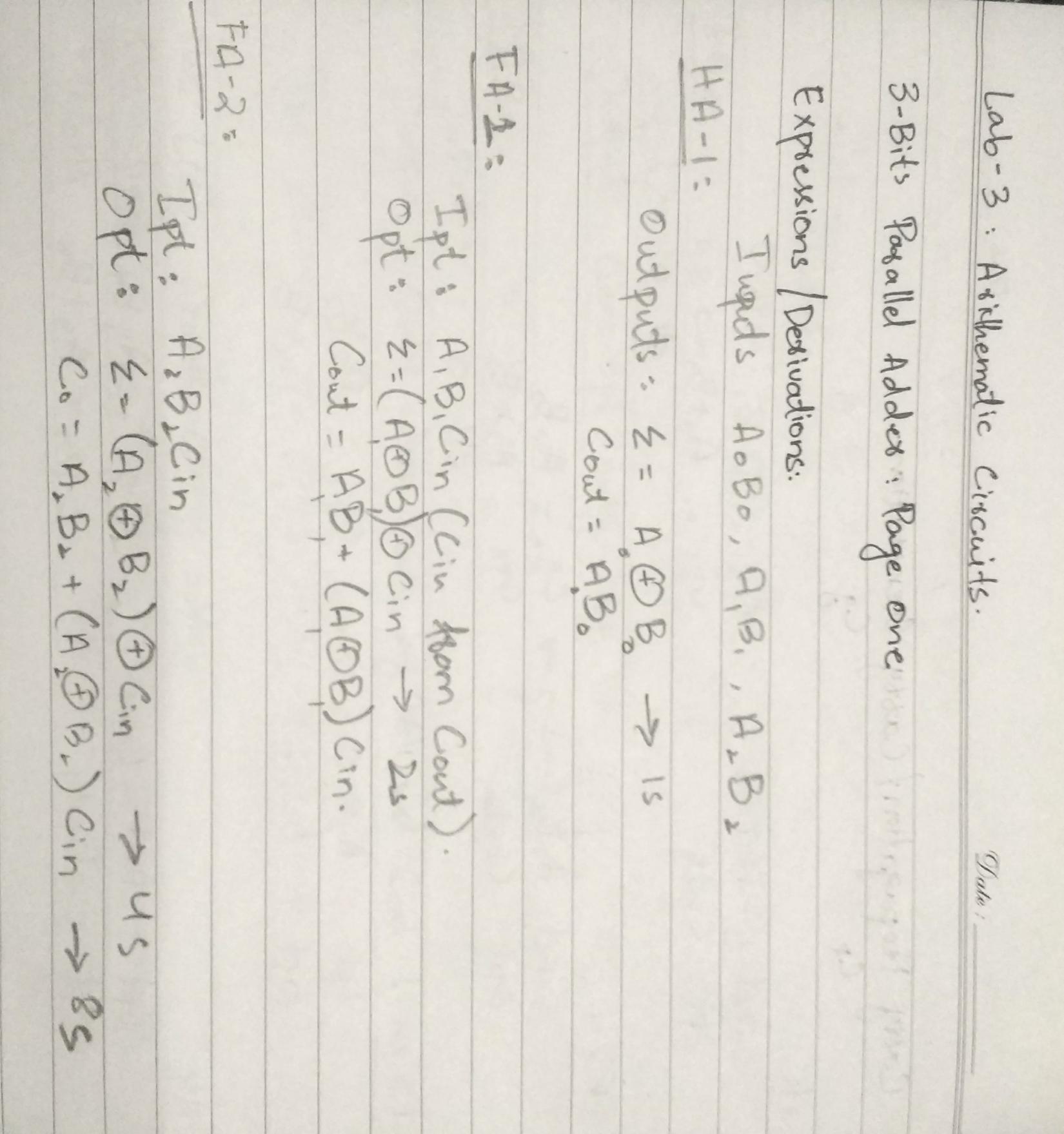
# Derivations

# Look-Ahead Carry Adder

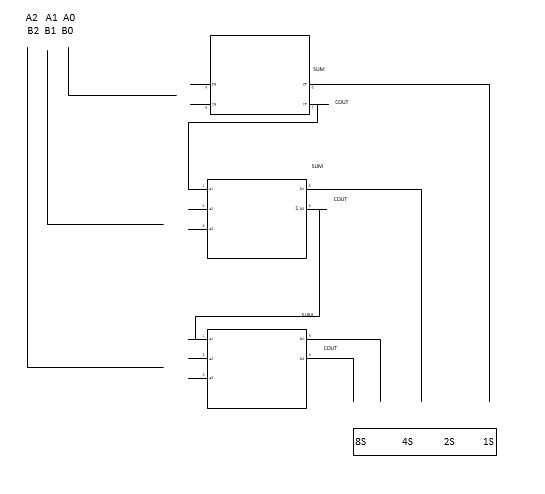
# Look-Ahead CA

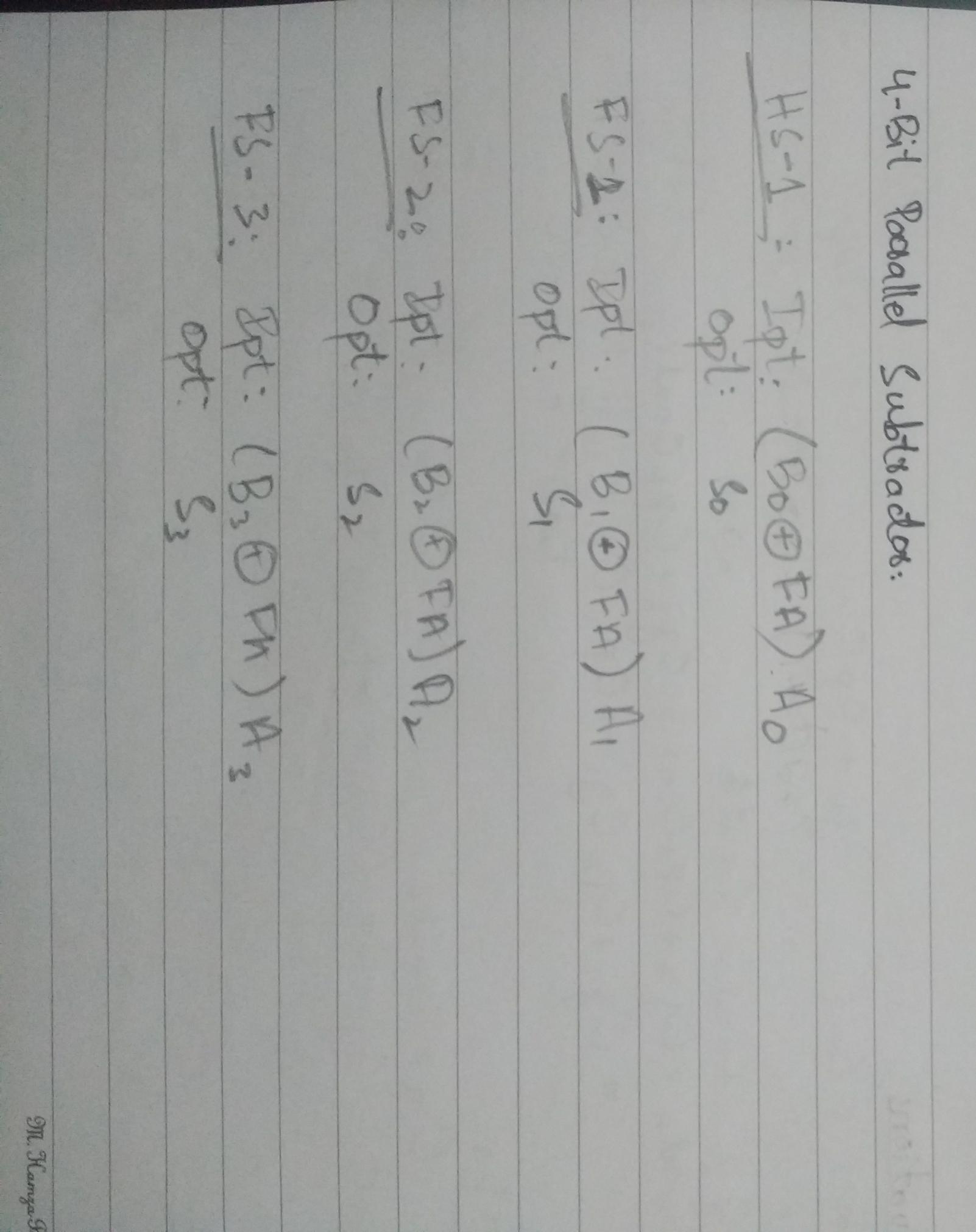
# Ripple Carry Adder

# Ripple CA

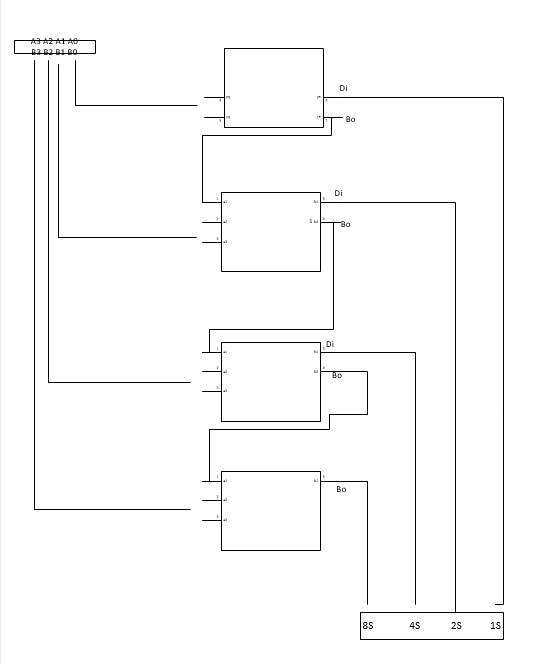
QUESTION:2

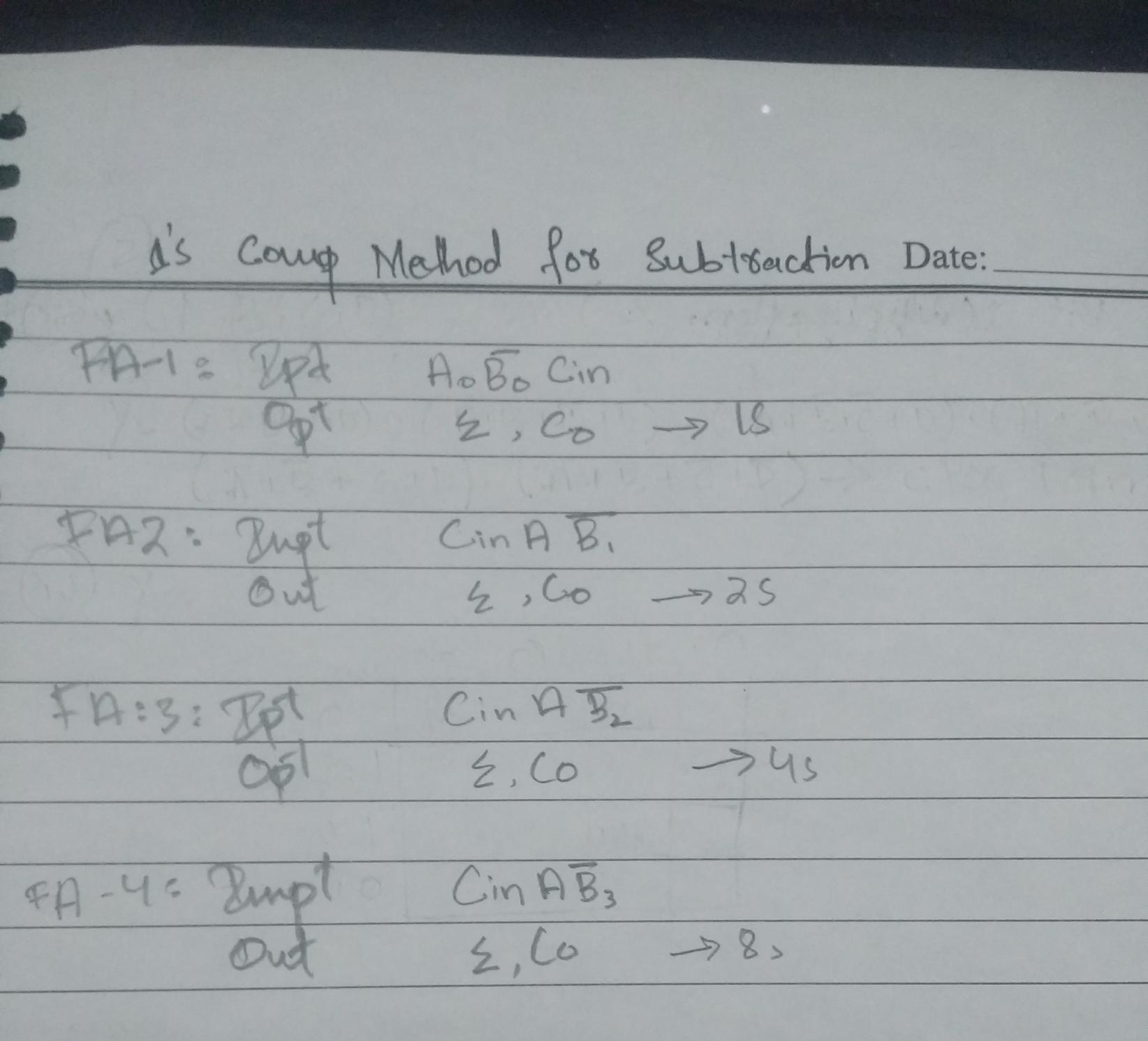
3 bit parallel adder



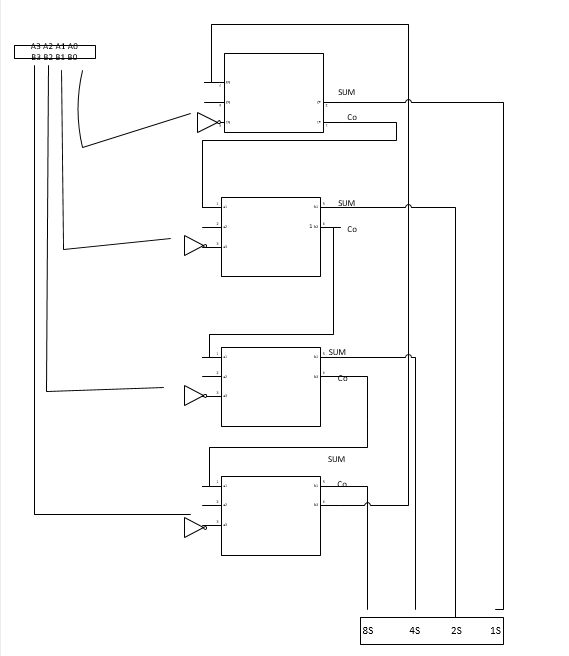


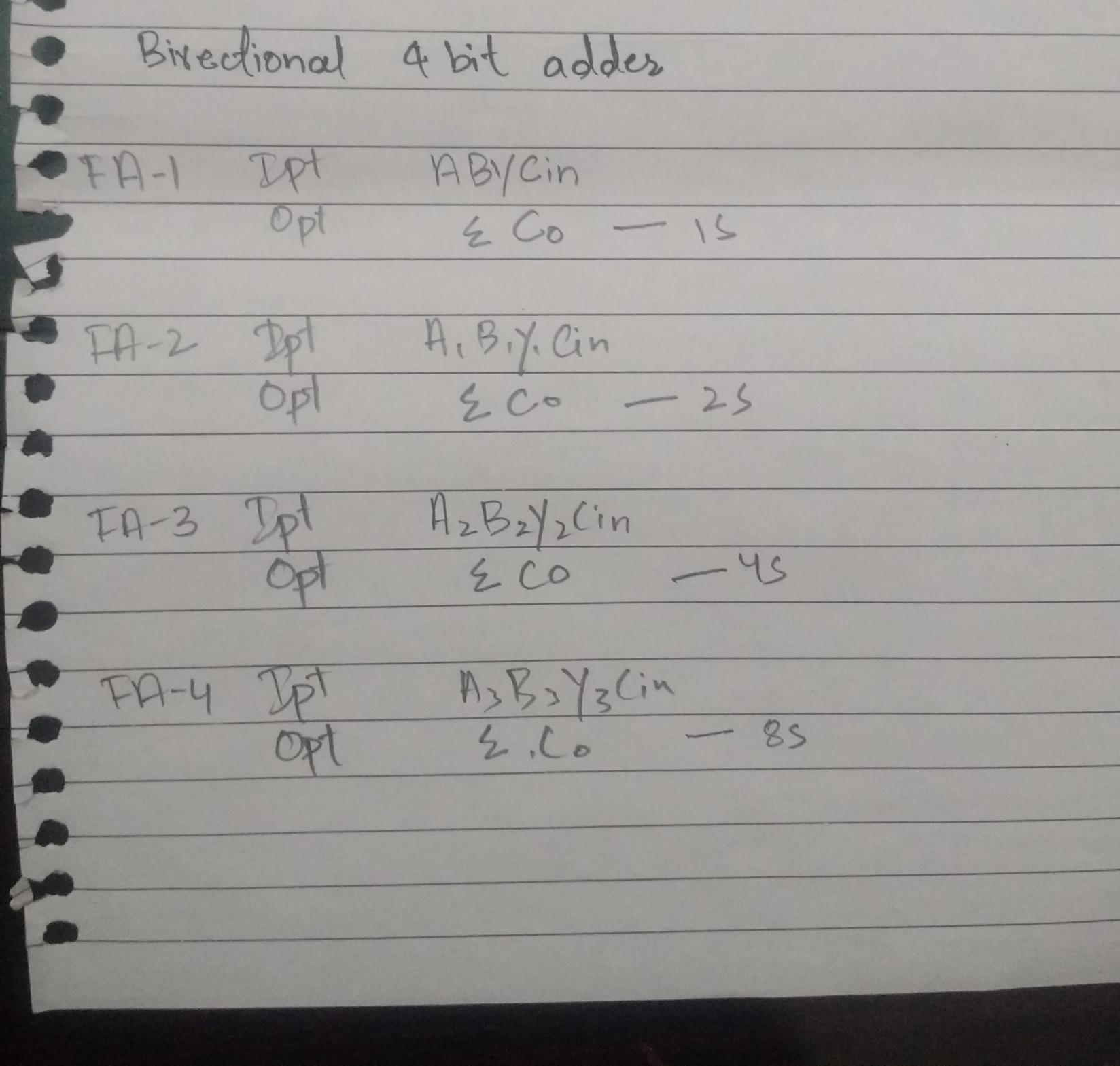
4 Bit parallel subtractor

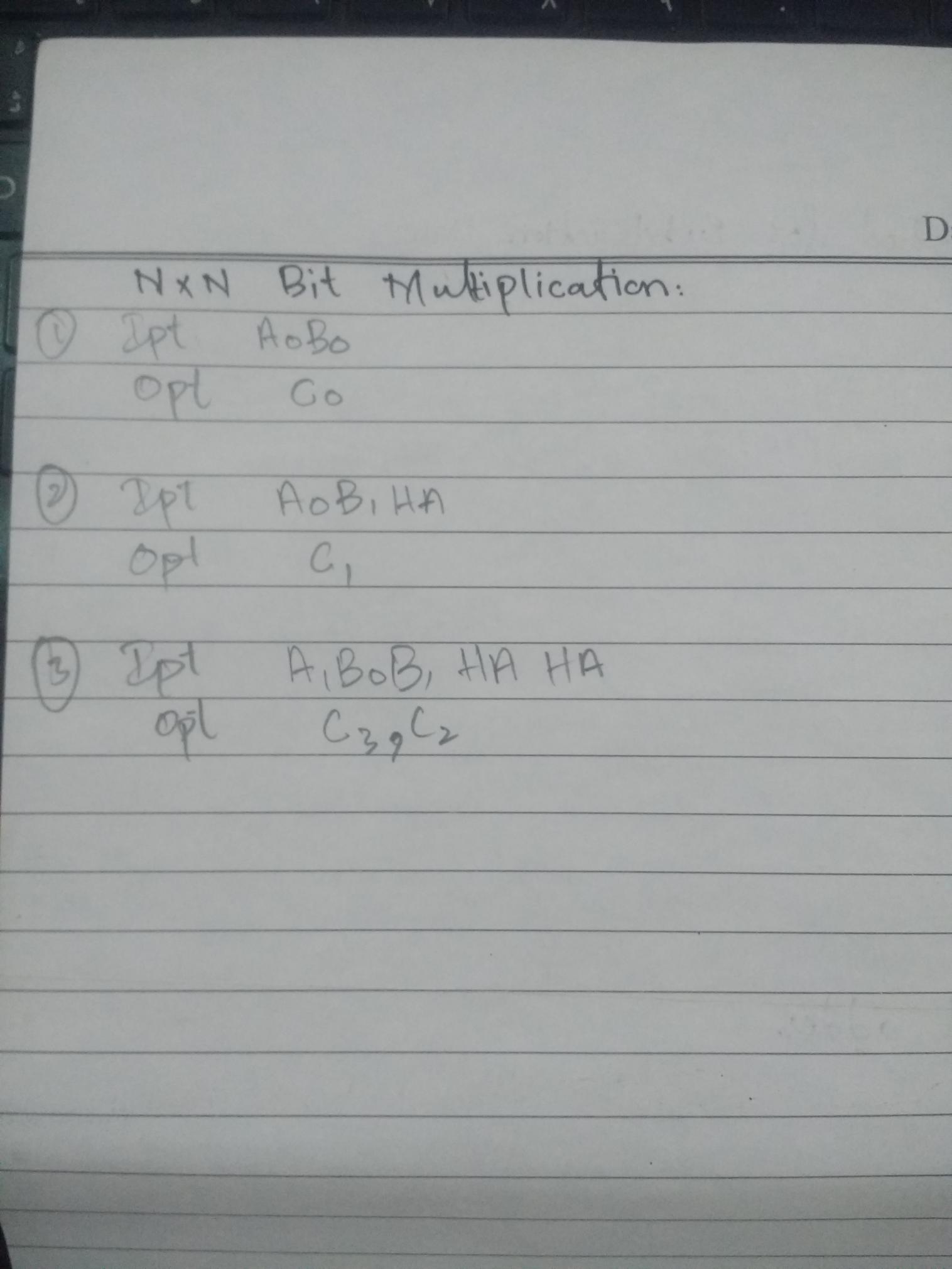




1s complement method for subtraction







NxN Multiplication

