Q:- Design an ALU which has two inputs a and b of 4-bits . And 4 bit output c . Your Alu must

perform following operations.

1. And
2. Nand
3. Or
4. Xor
5. Nor
6. Not
7. Xnor
8. Add
9. Sub

You have a selection pin (sel) to select what kind of operation you want to perform.