ALU – Putting it all together

✳ Combine add/sub, shift and Boolean units

5-bit ALUFN

Sub	Bool	Shft	Math	OP
0	XX	X	1	A+B
1	XX	X	1	A−B
X	00	1	0	B<<A
X	10	1	0	B>>A
X	11	1	0	B>>>A
X	00	0	0	A & B
X	01	0	0	A | B
X	10	0	0	A ^ B
X	11	0	0	A ‾|‾ B