



We initially set register $x1=3$, $x2=2$, and the instructions are in the following order:

AND	BEQ
ADD	BLT
OR	SW
SUB	LW
XOR	LUI
SRA	ADDI
SLL	ORI
SLT	XORI

For all R-format instructions, we let register $x3$ be the destination of data calculation:

AND, ADD, OR, SUB, XOR, SRA, SLL, SLT $x3, x1, x2$

So the results will be:

$x3=x1$ AND $x2=2$; $x3=x1$ ADD $x2=5$; $x3=x1$ OR $x2=3$; $x3=x1$ SUB $x2=1$;

$x3=x1$ XOR $x2=1$; $x3=x1$ SRA $x2=0$; $x3=x1$ SLL $x2=C$; $x3=x1$ SLT $x2=0$;

BEQ: we compare $x0$ and $x3$, if True, jump to the next instruction, now $x0=0$, $x3=0$, so go to the next instruction

