Instruction Set

Instruction\Bit	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
ADD (immediate)	imm								dest		src		000			1
ADD (register)	000000						dest		src2		src		000			0
SUB (immediate)	imm								dest		src		001			1
SUB (register)	000000						dest		src2		src		001			0
LOAD (immediate)	imm								dest		00		010			1
LOAD (register)	000000						dest		00		src		010			0
LOAD (relative)	imm								dest		src		010			1
BANK SWITCH	imm								1111				010			0
STORE (immediate)	imm								src		00		011			1
STORE (register)	000000						dest		00		src		011			0
STORE (relative)	imm								src2		src		011			1
MOV	000000						dest		11		src		011			0
JUMP (immediate)	imm								0000				100			1
JUMP (register)	0000000000										src		100			0
JUMP (relative)	imm									00		1	100			1
HALT	11111111								0000				100			0
JUMPZ (immediate)	imm								0000				101			1
JUMPZ (register)	0000000000										src		101			0
JUMPZ (relative)	imm									00		1	101			1
JUMPNZ (immediate)	imm								0000				110			1
JUMPNZ (register)	0000000000										src		110			0
JUMPNZ (relative)	imm									00		1	110			1
JUMPN (immediate)	imm								0000				111			1
JUMPN (register)	0000000000										src		111			0
JUMPN (relative)	imm									00		1	111			1