

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

JUMP (immediate)	imm	0000		100	1	
JUMP (register)	0000000000			src	100	0
JUMP (relative)	imm	00	src	100	1	
HALT	11111111	0000		100	0	

JUMPZ (immediate)	imm	0000	101	1	
JUMPZ (register)	0000000000	src	101	0	
JUMPZ (relative)	imm	00	src	101	1

JUMPNZ (immediate)	imm	0000	110	1	
JUMPNZ (register)	0000000000		src	110	0
JUMPNZ (relative)	imm	00	src	110	1

JUMPN (immediate)	imm	0000	111	1	
JUMPN (register)	0000000000	src	111	0	
JUMPN (relative)	imm	00	src	111	1