1 Instruction Format

Op-Code is 4 bits long:

1. (CYCLE)

000
Op-Code
0-2

2. LOAD: LD

101	x	xxxx
Op-Code	Register	Address
0-2	3	4-7

3. STORE: STR

111	x	xxxx
Op-Code	Register	Address
0-2	3	4-7

4. ADD: ADD

0010	x
Op-Code	Register to store into
0-3	4

5. SUBTRACT: SUB

0011	x
Op-Code	Register to store into
0-3	4

6. Branch equal: BEQ

0100	x
Op-Code	Address
0-3	4-7

7. Branc not equal: BNQ

0101	x
Op-Code	Address
0-3	4-7

8. PRINT: PRT

0110	x
Op-Code	Register to display
0-3	4

9. INPUT: INP

0111	x
Op-Code	Register to store into
0-3	4

10. STOP: STOP

1000
Op-Code
0-3

11. MULTIPLICATION: MULT

1001	x	xxx
Op-Code	Register to store into	Constant
0-3	4	5-7