Instruction	Instruction code	Operation
NOP	00000000	No operation
LOAD X	00100000 X	$A \leftarrow M[X]$
STORE X	00110000 X	$M[X] \leftarrow A$
MOVE	1000000	R ←A
ADD	1010000	A ←A + R
XOR	1100000	A ←A xor R
TESTNZ	1110000	$Z \leftarrow not V$
TESTZ	1110001	$Z \leftarrow V$
JUMP X	10000000 X	$PC \leftarrow X$
JUMPZ X	10010000 X	If $(Z = 1)$ then $PC \leftarrow X$
LOADSP X	10110000 X	$SP \leftarrow X$
PEEK	11000000	A <- M[SP]
PUSH	11010000	M[SP] ←A
POP	11100000	$A \leftarrow M[SP++]$
HALT	11110000	$PC \leftarrow 0$, stop microsequencer