

# PROTOTYPE ASSEMBLY LANGUAGE INSTRUCTIONS

COMMAND	OPCODE
ADD	“0000”
SUB	“0001”
MUL	“0010”
DIV	“0011”
AND	“0100”
OR	“0101”
NOT	“0110”
XOR	“0111”
MOV	“1000”
LOAD	“1001”

REGISTER	OPCODE	REMARKS
R0	“000”	Accumulator
R1	“001”	General purpose
R2	“010”	General purpose
R3	“011”	General purpose
R4	“100”	General purpose
R5	“101”	Program counter

ADDRESS	OPCODE
Register	“000”
Indirect	“001”
Memory	“100000”
Immediate	“100001”