

octal	Instructions	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10
"000"	PCout,MARin,Read,Clear Y,Set-Carry-in,Add,Z-in	"0001"	"011"	"01"	"0"	"0000"	"01"	"1"	"1"	"0"	"0"
"001"	Zout,PCin,WMFC	"0011"	"001"	"00"	"0"	"0000"	"00"	"0"	"0"	"1"	"0"
"002"	MDRout,IRin	"0010"	"010"	"00"	"0"	"0000"	"00"	"0"	"0"	"0"	"0"
"003"	uBranch[ uPc <- [PLA] ]	"0000"	"000"	"00"	"0"	"0000"	"11"	"0"	"0"	"0"	"0"
"004"	PCout,Yin, <b>Branch else uPC &lt;- [PLA] = 0</b>	"0001"	"111"	"00"	"1"	"0000"	"00"	"0"	"0"	"0"	"0"
"005"	IR-Address-Out,Add,Zin	"0111"	"011"	"00"	"0"	"0000"	"00"	"0"	"0"	"0"	"0"
"006"	Zout,PCin,End	"0011"	"001"	"00"	"0"	"0000"	"00"	"0"	"0"	"0"	"1"
"007"	HLT,End	"1000"	"000"	"00"	"0"	"0000"	"00"	"0"	"0"	"0"	"1"
"010"	Reset,End	"1001"	"000"	"00"	"0"	"0000"	"00"	"0"	"0"	"0"	"1"
"011"	NOP,End	"0000"	"000"	"00"	"0"	"0000"	"00"	"0"	"0"	"0"	"1"
"012"	Temp out, Carry-in =0, ADD, Z in	"0110"	"011"	"00"	"0"	"0000"	"00"	"0"	"0"	"0"	"0"
"013"	uBranch[ uPc <- 274 ]	"0000"	"000"	"00"	"0"	"0000"	"11"	"0"	"0"	"0"	"0"
"014"	Temp out, Carry-in =0, ADC, Z in	"0110"	"011"	"00"	"0"	"0001"	"00"	"0"	"0"	"0"	"0"
"015"	uBranch[ uPc <- 274 ]	"0000"	"000"	"00"	"0"	"0000"	"11"	"0"	"0"	"0"	"0"
"016"	Temp out, Carry-in =0, SUB, Z in	"0110"	"011"	"00"	"0"	"0010"	"00"	"0"	"0"	"0"	"0"
"017"	uBranch[ uPc <- 274 ]	"0000"	"000"	"00"	"0"	"0000"	"11"	"0"	"0"	"0"	"0"
"020"	Temp out, Carry-in =0, SBC, Z in	"0110"	"011"	"00"	"0"	"0011"	"00"	"0"	"0"	"0"	"0"
"021"	uBranch[ uPc <- 274 ]	"0000"	"000"	"00"	"0"	"0000"	"11"	"0"	"0"	"0"	"0"
"022"	Temp out, Carry-in =0, AND, Z in	"0110"	"011"	"00"	"0"	"0100"	"00"	"0"	"0"	"0"	"0"
"023"	uBranch[ uPc <- 274 ]	"0000"	"000"	"00"	"0"	"0000"	"11"	"0"	"0"	"0"	"0"
"024"	Temp out, Carry-in =0, OR, Z in	"0110"	"011"	"00"	"0"	"0101"	"00"	"0"	"0"	"0"	"0"
"025"	uBranch[ uPc <- 274 ]	"0000"	"000"	"00"	"0"	"0000"	"11"	"0"	"0"	"0"	"0"
"026"	Temp out, Carry-in =0, XOR, Z in	"0110"	"011"	"00"	"0"	"0110"	"00"	"0"	"0"	"0"	"0"
"027"	uBranch[ uPc <- 274 ]	"0000"	"000"	"00"	"0"	"0000"	"11"	"0"	"0"	"0"	"0"
"030"	Temp out, Carry-in =0, INV, Z in	"0110"	"011"	"00"	"0"	"0111"	"00"	"0"	"0"	"0"	"0"
"031"	uBranch[ uPc <- 274 ]	"0000"	"000"	"00"	"0"	"0000"	"11"	"0"	"0"	"0"	"0"
"032"	Temp out, Carry-in =0, LSR, Z in	"0110"	"011"	"00"	"0"	"1000"	"00"	"0"	"0"	"0"	"0"
"033"	uBranch[ uPc <- 274 ]	"0000"	"000"	"00"	"0"	"0000"	"11"	"0"	"0"	"0"	"0"
"034"	Temp out, Carry-in =0, ROR, Z in	"0110"	"011"	"00"	"0"	"1001"	"00"	"0"	"0"	"0"	"0"
"035"	uBranch[ uPc <- 274 ]	"0000"	"000"	"00"	"0"	"0000"	"11"	"0"	"0"	"0"	"0"
"036"	Temp out, Carry-in =0, ASR, Z in	"0110"	"011"	"00"	"0"	"1010"	"00"	"0"	"0"	"0"	"0"
"037"	uBranch[ uPc <- 274 ]	"0000"	"000"	"00"	"0"	"0000"	"11"	"0"	"0"	"0"	"0"
"040"	Temp out, Carry-in =0, LSL, Z in	"0110"	"011"	"00"	"0"	"1011"	"00"	"0"	"0"	"0"	"0"
"041"	uBranch[ uPc <- 274 ]	"0000"	"000"	"00"	"0"	"0000"	"11"	"0"	"0"	"0"	"0"
"042"	Temp out, Carry-in =0, ROL, Z in	"0110"	"011"	"00"	"0"	"1100"	"00"	"0"	"0"	"0"	"0"
"043"	uBranch[ uPc <- 274 ]	"0000"	"000"	"00"	"0"	"0000"	"11"	"0"	"0"	"0"	"0"
"044"	Temp out, Carry-in =0, INC, Z in	"0110"	"011"	"00"	"0"	"1101"	"00"	"0"	"0"	"0"	"0"
"045"	uBranch[ uPc <- 274 ]	"0000"	"000"	"00"	"0"	"0000"	"11"	"0"	"0"	"0"	"0"
"046"	Temp out, Carry-in =0, DEC, Z in	"0110"	"011"	"00"	"0"	"1110"	"00"	"0"	"0"	"0"	"0"
"047"	uBranch[ uPc <- 274 ]	"0000"	"000"	"00"	"0"	"0000"	"11"	"0"	"0"	"0"	"0"
"050"	Temp out, Clear Y, MOV, Z in	"0110"	"011"	"00"	"0"	"1111"	"00"	"1"	"0"	"0"	"0"
"051"	uBranch[ uPc <- 274 ]	"0000"	"000"	"00"	"0"	"0000"	"11"	"0"	"0"	"0"	"0"
"052"	Temp out, Yin, MOV, Zin	"0110"	"011"	"00"	"1"	"1111"	"00"	"0"	"0"	"0"	"0"
"053"	uBranch[ uPc <- 274 ]	"0000"	"000"	"00"	"0"	"0000"	"11"	"0"	"0"	"0"	"0"
"054"	(CMP) -->Temp out, SUB, END	"0110"	"000"	"00"	"0"	"0010"	"00"	"0"	"0"	"0"	"1"
101	Rsrc -> [Temp]	"0100"	"110"	"00"	"0"	"0000"	"00"	"0"	"0"	"0"	"0"

