

	LDA	ONE
	STA	I
	LDA	ZERO
	STA	INDEX
L1	LDA	ONE
	STA	J
L2	LDA	I
	MUL	J
	STA	SUM
	LDA	INDEX
	MUL	THREE
	STA	TEMP
	LDX	TEMP
	LDA	SUM
	STA	ARRAY, X
	LDA	INDEX
	ADD	ONE
	STA	INDEX
	LDA	J
	ADD	ONE
	STA	J
	LDA	J
	COMP	TEN
	JLT	L2
	LDA	I
	ADD	ONE
	STA	I
	LDA	I
	COMP	TEN
	JLT	L1
I	RESW	1
J	RESW	1
INDEX	RESW	1
ARRAY	RESW	81

SUM	RESW	1
TEMP	RESW	1

ZERO	WORD	0
ONE	WORD	1
TEN	WORD	10
THREE	WORD	3