

### Exercise 3: Generate a SIC object program

loc		SIC		object code
01FF	SUM	START	1FF	
01FF	FIRST	LDX	ZERO	04046F
0202		LDA	ZERO	00046F
0205	LOOP	ADD	TABLE,X	188214
0208		TIX	COUNT	2C046C
020B		JLT	LOOP	380205
020E		STA	TOTAL	0C0472
0211		RSUB		4C0000
0214	TABLE	RESW	200	
046C	COUNT	RESW	1	
046F	ZERO	WORD	0	000000
0472	TOTAL	RESW	1	
		END	LOOP	

object program

H^SUM ^0001FF^000276

T^0001FF^15^04046F^00046F^188214^2C046C^380205^0C0472^4C0000

T^00046F^03^000000

E^000205