علرها ار ورش - ۲۰۲۱۸۹

AC Y-9 Instruction Location 103 BSA 5103 100 (FFFE) CMA 7200 101 7001 HLT 102 (5101) 0000 103 0000 7800 CLA 104 0001 7020 105 INC 103 I 106 BUN (103

. — I FFFE . AC . I ... HALT : 1 0%.
. — I 1. 1. 1. 0 0, 1, 1, 1, 2, 2, 26, 9

A-B < 0 10 LDA B CMA A - B = 020 INC A /form A-B A-B >0: ADD 30 /skip if AC pos SPA N10 /A-B<0 to N10 BUN / Skir if AC zero SZA N30 /A-B>0 to N30 BUN N20 /A-B = 0 to N20 BUN

	7/	A		12	ood			18-4
LDA				11	f zero.			
	SZA							*
BUN		NZR		11	)	product zer	o in AC	
	HLT			1 1	zer 1			
	NZR, CMA							
INC		CTR		15	Lore - A	in Counter	v	
STA				/Store - A in Counter /Stort with AC = 0				
CLA		12		Add Multiplicants				
LOP, ADD 152		BCTR		/ Hold Wall Pro				
BUN		LOP		/ Repeat Loop A times			ne s	
HLT								
A, DEC		- 1		/ No	. Hiplier			
B, DEC		-			Hip licand			
CTR, HEX		0		/ Coun	ter			
EN:	<b>D</b>			C 0.0. O				YY _ 4
	CM1	2		CMAINC				PILA
YSSA	100			STA	CTR			
HEX								
	32		100	LDA	PTR			
	32		LOP,	LDA	PTK			
	32		LOP,		PTK			
Subroutine	32		LOP,		STA	PIR	A.	
	HEX	O			STA 152	PTR		
Subroutine	HEX LDA	CMP			STA 152 152	PTR	1	
Subroutine	HEX	CMP			STA 152 152 152 13UN	PTR CTR LOP	1	
Subroutine	HEX LDA	CMP PTR CMP			STA 152 152 152 150 152	PTR CTR LOP CMP		
Subroutine	HEX LDA STA	CMP		CMA	STA 152 152 152 13UN	PTR CTR LOP	1	
Subroutine	HEX LDA STA 152	CMP PTR CMP			STA 152 152 152 150 152	PTR CTR LOP CMP		
Subroutine	HEX LDA STA 152	CMP PTR CMP		CMA	STA 152 152 152 13UN 152 13UN	PTR CTR LOP CMP		