	LDA STA	ZERO INDEX	INITIALIZE INDEX VALUE TO 0
- San and	LDX	INDEX	LOAD INDEX VALUE INTO REGISTER X
ADDLP	LDA	ALPHA, X	LOAD WORD FROM ALPHA INTO REGISTER A
	ADD	BETA, X	
	STA	GAMMA, X	STORE THE RESULT IN A WORD IN GAMMA
	LDA	INDEX	ADD 3 TO INDEX VALUE
	ADD	THREE	
	STA	INDEX	
	COMP		COMPARE NEW INDEX VALUE TO 300
	JLT	ADDLP	LOOP IF INDEX IS LESS THAN 300
			•
	•		
INDEX	RESW	1	ONE-WORD VARIABLE FOR INDEX VALUE
4			ARRAY VARIABLES100 WORDS EACH
ALPHA	RESW	100	
BETA	RESW	100	
GAMMA	RESW	100	
		:	ONE-WORD CONSTANTS
ZERO	WORD	0	
K300	WORD	300	
THREE	WORD	3	
			(a)
	LDS	#3	INITIALIZE REGISTER S TO 3
	LDT	#300	INITIALIZE REGISTER T TO 300
	LDX	#0	INITIALIZE INDEX REGISTER TO 0
ADDLP	LDA	ALPHA,X	LOAD WORD FROM ALPHA INTO REGISTER A
	ADD	BETA, X	ADD WORD FROM BETA
	STA	GAMMA,X	STORE THE RESULT IN A WORD IN GAMMA
	ADDR	S,X	ADD 3 TO INDEX VALUE
	COMPR	•	COMPARE NEW INDEX VALUE TO 300
	JLT	ADDLP	LOOP IF INDEX VALUE IS LESS THAN 300
	•		·
	,		·
	•		ADDAY SANDEADIDE 100 MODIC DACTI
ALPHA	RESW	100	ARRAY VARIABLES100 WORDS EACH
BETA	resw resw	100 100	
GAMMA	resw Resw	100	
-4. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	TATA ZYYY	TAA	