

Systems Programming

Assignment 1

[1] LDA Beta
MUL GAMMA
STA Alpha

[2] LDA Beta
DTU GAMMA
STA Alpha
Alpha Resu 1
BETA Resu 1
GAMMA Resu 1

~~End~~

3 LDA zero
 STA Index
 LDA zero
 STA ALPHA, 20
 LDA Index
 ADD THREE
 Comp k300
 TFX Twenty
 JLT Loop

Index RESW 1
 ALPHA RESW 1
 zero word 0
 k300 word 100
 Three word 3

5

RDAEC LDX zero
 RLOOP TD Index
 JEQ RLOOP
 RD Index
 Comp NULL
 JEQ Exit
 STCH Buffer x
 TIL k100
 JLT RLOOP
 Exit STX Length
 RSUB

zero word 0
 NULL word 0
 k100 word 1
 Index Byte x
 Length RESW 1
 Buffer RESB 100

[4]	JSUB	WRECC
WRECC	LDX	Zero
WLOOP	TI	Output
	JEQ	WLOOP
LDX		Record, 20
WP		Output
TI 20		Length
JLT		WLOOP
RSUB		

Zero word 0
 Length word 1
 Output Byte 2 '05'
 Record RESB 100