

الأكاديمية العربية للعلوم والتكنولوجيا والنقل البحري

Arab Academy for Science, Technology & Maritime Transport



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Course : Systems Programming .

Assignment

Q1-

Test

Start

0

Multi

ST(BETA) → A

Clear A

LDA ^{local} BETA

Mul GAMMA

ST(A) ^{store} → ALPHA

Analysis

1) local value of BETA to AC

2) Mult AC * GAMMA
By default the result is stored in AC

3) Finally Store ALPHA

Q2-

Test 2

Start

0

Divide

Clear A

LDA BETA

Div GAMMA

STA ALPHA

Q3-

Test 3

Start 0

LDA Zero

STA Temp

loop

LDA ← Temp

LDA Zero

STA ALPHA, X

LDA Temp

ADD THREE

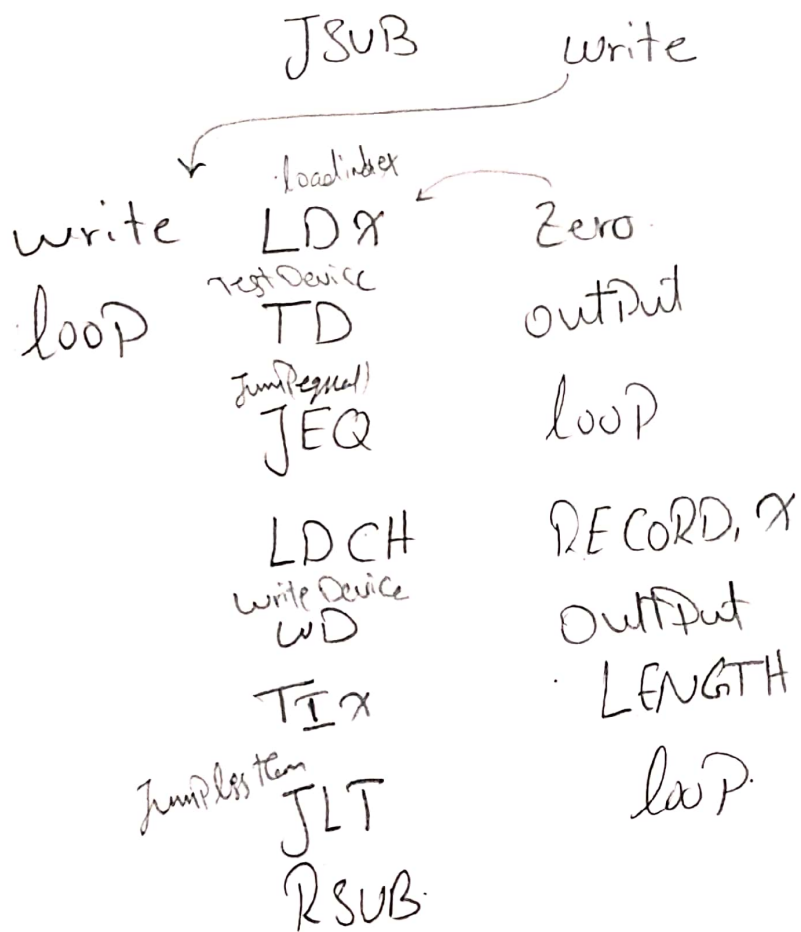
STA Temp

Comp K300

TX Twenty

JLT loop

24-



Q5-

JSUB

Inc

Variables

x word 0
one word 1
Count word 10

Inc

loop

LDA

ADD

STA

Comp

TD

WD

// TI x

JLT

RSUB

zero

one

x

Count

output

output

loop