

7-6 7-6 7-6 7-6 7-6 7-6 7-6 7-6 7-6 7-6 7-6 7-6 $11 = \log 6.97$ $17 = \log 6.99$ $17 = \log 6.99$ 17 = 1 $17 = \log 6.99$ 17 = 1 17

الر سار روا من در ایل کود، در صرب تے یا فال صربوں 11.2 L 5 5 8 min 02 . Norisi Branch . AC CINI INDROT SUSPENSED FELCH SUI · July AR 10 9 iduitions of content JUST PC - AR : 1 1 3 - COUST ARTPC U JMP FERTA . Se = of FETCH Neiber = , in co ORG 20 SUB: 7-16 NOP I INDRCT CALL READ U NEXT JMP SUB V JMP FETCH ORG 36 SEQ: NOP I CALL IMPRCT READ V JMP NEXT DRTAC, ACTOR NEXT JMP XOR 1) JMP TEMP TEMP: ORG 69 DRTAC, ACTOR 2 JMP KEMP NOP U JMP FETCH KEMP: INC PC U JMP FETCH

BSA: NOP I CALL INDRCT

PCTOR, ARTPC V JMP NEXT

WRITE, INCPC V JMP FETCH

> $A+B = \frac{C}{D*E} = \frac{8-8}{b}$ (((F+6)*E+D)*C+B)*A(d)

8-12

b) MOV 0) MUL RI, D, E RI, P MUL RI, E SUB RI, F SUB RI, F MUL RI, C MUL RI,C SUB Re, A, B APP RI, A ADD RI, RZ SUB RI, B MUL R3, H, K Mor Re, K ADD 83,6 ADD R2,5 DIV $\times, RI, R3$ DIV R1, R2 RI,X LDA H

MUL

ADD

STA X

LDA 0

E MUL

SUB F

MUL

SUB B

ADD A

DIV X: AC - AC/X

STA X: X = AC 8-12-2)

PUSH D: STK - D

PUSH E: STK LE

MUL: STK - DXE

PUSH F: STK F

SUB: STK - DXE-F

PUSH C: STK C

MUL: STK CX(DXE-F)

PUSH B: STK + B

SUB: STK C*(D*E-F)-B

PUSH A: STK - A

ADD: STK < -A-13 + C*(D*E

PUSH H: STK + H

PUSH K: STK < K

MUL: STK + H * K

PUSH G: STK ← G

ADD: STK < 6+ (H*K)

DIV: $STK \leftarrow \frac{A-B+C\times(D\times E-F)}{G+(H\times K)}$

POP X: X & STK

79 78 79 79 78 79 79 79 79 79

8-18

800 (a

301 (b

702 (c

200 (d

600 (e

8-27

S=0 => no provolon

s=1 => overflow

SOV = D

A<13 =>!(A = 13)

V=0 => S= 1 or V=1 => S=0

50V=1

A>13 => A 213 88 A + 13

SOV = 0 22 2=0

ASB => ACB 11 A=B

SOV=1 11 2=1