Program the expression:

x=(A+B-C)/(D+E\*F)

Three address mode:

ADD R1,A ,B

SUB R1,R1,C

MUL R2,E ,F

ADD R2,R2,D

DIV R3,R1,R2

Two address mode:

MOV R1,A

ADD R1,B

SUB R1,C

MOV R2,E

MUL R2,F

ADD R2,D

DIV R1,R2

One address mode:

LDA A

ADD B

SUB C

STA X

LDA E

MUL F

ADD D

STA Y

LDA X

DIV Y

Zero address mode:

Expression in postfix mode:

AB+C-DEF\*+/

PUSH A

PUSH B

ADD

PUSH C

SUB

PUSH D

PUSH E

PUSH F

MUL

ADD

DIV

POP