ORG 100

INPUT

STORE X

INPUT

STORE Y

LOAD Y

SUBT ONE

STORE Y

LOAD X

SUBT ONE

STORE Z

LOAD K

ADD Z

STORE K

LOAD X

STORE PROD

LABEL1, LOAD PROD

ADD X

STORE PROD

LOAD Z

SUBT ONE

STORE Z

SKIPCOND 400

JUMP LABEL1

LOAD PROD

STORE X

LOAD K

STORE Z

LOAD Y

SUBT ONE

STORE Y

SKIPCOND 400

JUMP LABEL1

LOAD PROD

OUTPUT

HALT

X, DEC O4

Y, DEC 03

Z, DEC 00

K, DEC 00

PROD, DEC 00

ONE, DEC 01