ORG 100

INPUT

STORE N

STORE INDEX

WHILE, LOAD INDEX

SKIPCOND 400

JUMP LOOP

JUMP PRINT

LOOP, LOAD INDEX

SUBT ONE

STORE INDEX

INPUT

STOREI BASE

LOADI BASE

ADD SUM

STORE SUM

CHECK, LOAD INDEX

ADD ONE

SUBT N

SKIPCOND 400

JUMP IF

JUMP SETMIN

IF, LOADI BASE

SUBT MAX

SKIPCOND 800

JUMP ELSEIF

JUMP SETMAX

ELSEIF, LOADI BASE

SUBT MIN

SKIPCOND 000

JUMP ELSE

JUMP SETMIN

ELSE, LOAD BASE

ADD ONE

STORE BASE

JUMP WHILE

SETMAX, LOADI BASE

STORE MAX

JUMP ELSEIF

SETMIN, LOADI BASE

STORE MIN

LOAD INDEX

ADD ONE

SUBT N

SKIPCOND 400

JUMP ELSE

JUMP IF

PRINT, LOAD MAX

OUTPUT

LOAD MIN

OUTPUT

LOAD SUM

OUTPUT

HALT

INDEX, DEC 00

N, DEC 00

BASE, HEX 700

ONE, DEC 01

MAX, DEC 00

MIN, DEC 00

SUM, DEC 00