ORG 100

load x

add y

store m

halt

x, dec 10

y, dec 18

m, hex 0

ORG 100

if, load x

subt y

skipcond 400

jump else

then, load y

subt x

store y

halt

else, load x

add x

store x

halt

x, dec 10

y, dec 10

ORG 100

input

store size

load addr

store addrpos

loop, load size

subt index

skipcond 800

halt

input

store inpt

load sum

add inpt

store sum

load addrpos

add one

store addrpos

load index

add one

store index

jump loop

output

size, hex 0

inpt, hex 0

addr, hex 0

addrpos, hex 0

index, hex 0

sum, hex 0

one, hex 1