



LITTLE MINITON COMPUTER

The little Whiten Computer is a Genceptual model of a simple CPU, untowoduced sky Dr. stuart Madrick of M.T.T in 1965. Although it Islams simplistic, in yact the model captures many unpartant yeatures of vial CPU & illustrate these in an accessible may. The conceit is that inside the CPU is a tiny person or minion that views around whata and preyoming the calculations. Inside the been of the CPU are:

100 nunherad mailbones.

A calculator

An ûn-toray

A-2-digit counter

An out-tray

FETCH AND EXECUTE CYCLE

A little minion estarts by loaking est est the counter you number, which is a mailbon number.

The minion universement the country, so ithat next time minion comes ût will be one clonger.

The minion goes to the mailbox with the number the minion oread on the counter, and oread when withen on the slip 8 paper in the mailbox, inc. 3 digit.

The minion takes the approximate action depending on strong edigits

The minion other estart again.

INSTRUCTION SET

	OLI	
Mnemonic	OP coole	Diesouption
ADD	1 XX	Add
8UB	2××	Subtract
870	3×x	Sitoire
LDA	БХХ	Add
BR	6××	Branch
BRZ	TXX	Boranch on yero
BRP	8xx	
IN	901	Branch on possitive
OUT	902	Input
HLT	000	autput
DAT		Halt or stop Laata istoringe docation
-		

Following in the code to find biggest of items

Numbers

IN

870 a

sto a

000

