



ENGLISH

YOU SPEAK
IN ENGLISH

BASIC

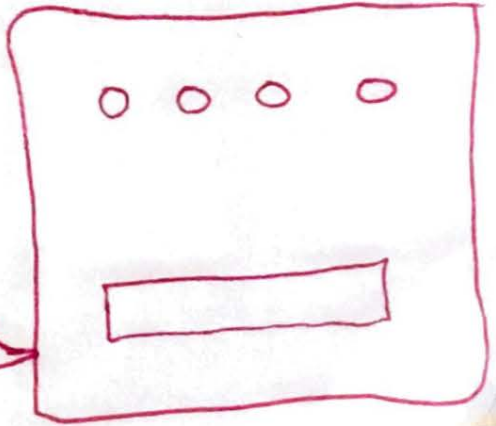
YOU TRANSLATE ENGLISH
INTO BASIC

COMPILER

THE COMPILER
TRANSLATES BASIC
INTO BINARY

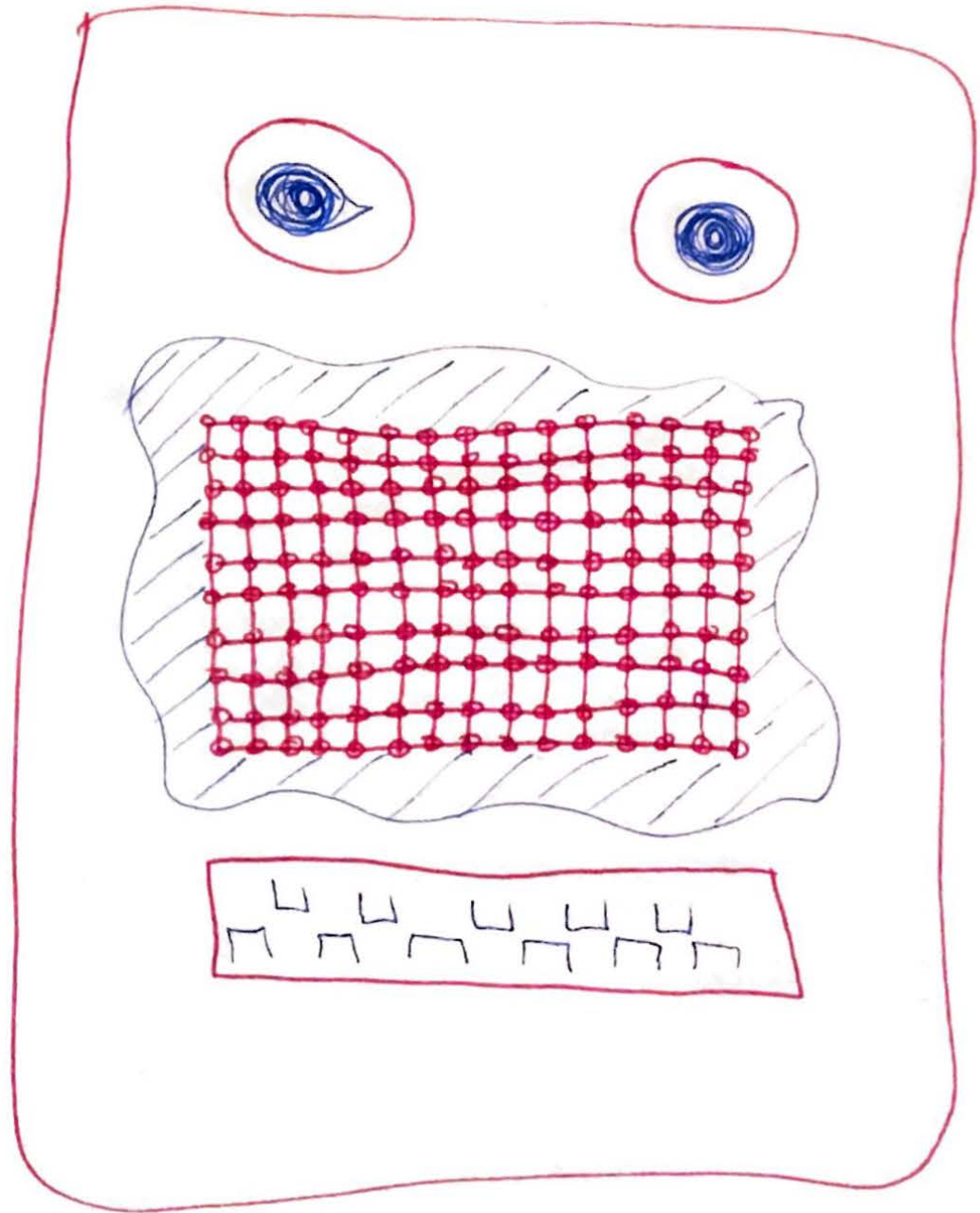
THE COMPUTER
SPEAKS IN BINARY

(BINARY)
ELECTRICAL
IMPULSES



MEMORY IS A SET OF
LOCATIONS IN THE
COMPUTER WHICH CAN
BE TURNED OFF OR
ON AND CODED TO
REPRESENT NUMBERS,
LETTERS, ETC.

BINARY CODE IS THIS
OFF / ON CODE



	8	4	2	1
0				
1				x
2			x	
3			x	x
4		x		
5		x		x
6		x	x	
7		x	x	x
8	x			
9	x			x

← IF WE ALLOW THESE RELATIVE LOCATIONS TO REPRESENT THESE NUMBERS —

← AND IF WE TURN ON THE ELECTRICITY IN THESE PATTERNS —

↑ WE HAVE A CODE FOR THESE 10 DIGITS

	16	8	4	2	1
A					x
B				x	
C				x	x
D			x		
E			x		x
F			x	x	
G			x	x	x
H		x			
I		x			x
J		x		x	
K		x		x	x
L		x	x		
M		x	x		x

	16	8	4	2	1
N		x	x	x	
O		x	x	x	x
P	x				
Q	x				x
R	x			x	
S	x			x	x
T	x		x		
U	x		x		x
V	x		x	x	
W	x		x	x	x
X	x	x	.		
Y	x	x			x
Z	x	x		x	

SIMILARLY -

A CODE

FOR THE

LETTERS