TALKING TO MACHINES

Computers work in a language called MACHINE CODE, which is made up of just two symbols - 0 and 1. The 0s and 1s represent the STATE of millions of tiny switches inside a computer's memory chips. They show whether each switch is OFF (0), or ON (1).

Each 0 or 1 is known as a BIT (short for binary digit). Bits can give the computer all sorts of information, from words to images. Shade the ON switches below to reveal an image.



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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	1	0	0	0	0	0
0	0	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1.	0	0	0	0	0
0	0	1	1	1	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0
0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0
0	1	1	1	1	0	1	1	1	0	1	0	0	0	0	0	0	1	1	0	0	0
0	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	1	1	0	0
0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	0
0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	0
0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0
0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0
0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0
0	0	1	1	1	1	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0
0	0	0	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
0	0	0	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
0	0	0	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
0	0	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0



