of questions.

Dear Arthur. Computers are very complicated things. How they work is really hard to explain in the space of a comic strip. But, I can give you a new way to think about computers. You Can think about them and they cannot think about you! Computers are just machines that follow instructions we give them. We call the instructions a program. That means a computer is like a program-player. And the computer turns into anything - any kind of machine - we can tell it to. With the right program, a computer can be a typewriter, a game, a musical instrument, or even a telescope. It can be any kind of machine we can program it to be. This is why the job of being a computer programmer is such a big deal.

Here's a secret: I don't use a pencil to draw this comic. I use a computer that has been turned into a drawing machine by the programs I play on it.

Does th

beina

than 1 cell?

The being is

probably

Does

the being

have

feathers

probably

Lastly, each weird little area is given a color that represents how light or dark it would be if a light was shining on it. The areas together turn out to be a



I want to draw a red blood cell. I start by drawing this shape on the computer. It's really a bunch of math that describes this curvy thina.

Next. I tell the computer program to spin the shape around the dotted line. I get this thing that looks like a bagel-shaped bird cage.

Now I tell the program to pretend the bird-cage-thing has a shiny surface and that there are 2 lights shining on it. What does it look like now?

good drawing of a red blood cell!





the being is. P.S. from Jax: When a mistake is written into a program, it's called a bug. The first bug was really a bug. A moth got caught in a switch in an early computer. Beakman's program has bugs, too. Iry it with a moth or a snake as your being.

The being is

probably

Beakman Place

The program

doesn't have

enough information

to decide what