

Sisyphus Work

Let us imagine the world when no Computers exist in mass production. Does it make a difference with the nowadays situation? Is anyone happier because he now spends all his day in front of computer instead of spending it in the front of the sea? Someone says yes, someone – no. There is no sense to argue because both are right. One gets what he wants in the end.

I just remember one guy who almost lost his eye-brows because he was too keen to program Fortran. Is programming Fortran some kind of sublimation, ie replacing the sun with the monitor?

This article shows that the existence of computers (we can call computer Dr. Watson according to the known computer project called Watson, see [1]) is redundant. By this, we prove rigorously what Albert Camus was writing in his Essay [3].

Definition.

Bug in a computer program is a situation (command input) that makes the program to behave in unpredictable way, ie not written in the specification.

Definition.

Software (computer program) that has a bug is called malware.

Theorem on Bug.

Any computer program (software) has a bug.
In other words any software is a malware.

Proof.

Computer program is a set of logical rules with input and output. It is based on arithmetic operations in the processor. So, it is a logical system consisting of rules that accepts input and derives the output according to them.

According to Gödel theorem (see [2]), any such logical system encounters a statement (command input) that it does not know how to interpret (by Gödel theorem it can not be proved or disproved using the rules of that system).

It means that such logical system contains a bug.
In other words, it is a malware.

QED

Definition.

Sisyphus work is “to move a stone up to the rock” everyday (see [3]).

Theorem on Sisyphus work.

Programming computer programs is a Sisyphus work.

Proof.

Due to Theorem on Bug, there is always bug in the computer program no matter how one programs it. So, the bug should be fixed everyday.

QED

In recent years there appeared new branch in Computer Science, so to say meta Computer Science, the knowledge about the knowledge (data about the data), which main tasks are to monitor, analyze and mine the business data. It is called Business Intelligence.

It can be argued now whether Business Intelligence exists because of the above theorems since over time the number of errors grows in any computer system especially in the environments with multiple software installed requiring complex integration software that brings even more bugs. It is easy to show that the growth is exponential. It also proves the necessity in Big Data projects and in-Memory technologies that is the modern trend showing the exponential growth of data. The existence of endless software doing the same things (like Joomla and Drupal) is also due the same reason.

In other words, we showed that Dr. Watson is redundant because there is Mr. Sherlock Holmes who actually knows everything and already programmed everything (Mr. Kurt Gödel is one of such Sherlocks).

Dr. Watson is just blind and always in some kind of prostration. But Dr. Watson is a companion of Mr. Sherlock Holmes because without Him there would never exist Mr. Sherlock Holmes - it is Dr. Watson who wrote the story about Sherlock.

Literature.

1. Wikipedia. Watson (computer)
2. Wikipedia. Gödel theorem
3. Albert Camus, The Myth on Sisyphus. Essay on Absurd