

Nijaz Ibrulj

THE VIRUS OF INCOMPLETENESS

The genius Austrian logician and mathematician Kurt Gödel, with his 1930 paper "On Formally Undecidable Propositions of *Principia Mathematica* and Related Systems", demolished half a century of work in mathematics and logic on the theory of completeness and consistency of formal (logical and mathematical) systems. . He simply proved that every formal system has a *virus of incompleteness* in it.

Gödel proved that for any computable axiomatic system rich enough in notation to describe the arithmetic of natural numbers it holds that (1) if a logical or axiomatic formal system is consistent, it cannot be complete, (2) the consistency of axioms cannot be proved within their own system.

I called his proof here "the virus of incompleteness," he called it "theorems on the incompleteness of formal systems." Gödel constructed a formula that he found to be unprovable within a given formal system. If the formula were provable, then it would be false. Therefore, in any such system there will always be at least one true but unprovable claim. The axioms of that formal system cannot prove the truth of all claims in that system, that is, they cannot prove the truth of themselves in that system! One must go to another formal system that is richer in order to derive the truth of the axioms of one system from the axioms of another system. This means that the first system is not complete, if it is consistent.

Computer science is based on formal logical systems (axiom formulas, formulas derived from axioms, Boolean functions, Frege's first-order predicate logic, second-order predicate logic). These formal logic systems are the basis of artificial intelligence and logic programming. Their technological expression is *Microsoft Office, Windows*, and other computer program systems.

After *Microsoft* started producing formal logic systems in the form of computer programs, generation after generation (*Windows 92-97, Windows 2000, Windows 2003, Windows 2007, Windows 2010, Windows ...*), it also started producing VIRUSES FOR WINDOWS PROGRAMS. ..

AT ONE MOMENT, VIRUS PRODUCTION BECAME THE MAIN ACTIVITY OF THE COMPUTER INDUSTRY BECAUSE IT WAS ABSOLUTELY NECESSARY TO PRODUCE ANTI-VIRUS PROGRAMS. So generations of Windows programs went to waste and we had to buy new computers and new generations.

Today, all that has been transferred from artificial logical systems to the sphere of biological physical systems. Viruses have appeared for this generation that expects someone to find an antivirus program, that is. vaccine.

Bill Gates, who is the designer of the Windows program, also constructed the Virus for that program and the Antivirus program at Microsoft.

Now suddenly Bill Gates has appeared as a prophet who knows everything about viruses and antiviruses in biological systems. A few months before the appearance of the Corona Virus, he announced that the virus would appear ... A computer technologist, who is not an epidemiologist!

I don't think it's a question of whose virus is in us, but whose vaccine (antivirus program) will be in us!

The model of "outbreak" of viruses in the virtual world of artificial intelligence, and the model of antivirus production for this generation of systems has been realized in the computer industry.

For more than 30 years, we have lived in the technological fear that our computer may have been attacked or infected by a virus! We need to buy antivirus programs. Those who want to manage our computer systems and the data in them insert viruses into that system and enter all databases through them.

This model is now being applied to biological systems. This generation of the human species, which has already been named Generation -19, is infected or will be infected with the Corona Virus, which was "predicted" by computer technologist (humanist) Bill Gates.

This human generation (Human Generation -19) needs to buy (from someone) an antiviral vaccine.

So it looks like it will go on from generation to generation in the human race. *The incompleteness of the biological system* shows that there are formulas in the DNA and RNA chains that are not firmly connected and into which the virus can simply be inserted and start reprogramming these chains of the biological system ...

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VIRUS NEKOMPLETNOSTI

Genijalni austrijski logičar i matematičar Kurt Gödel je svojim spisom iz 1930. godine "O formalno neodlučivim tvrdnjama u *Principia Mathematica* i s njima povezanim sistemima " srušio pola stoljeća radova u matematici i logici na teoriji o kompletnosti i konzistentnosti formalnih (logičkih i matematičkih) sistema. Jednostavno je dokazao da je svaki formalni sistem u sebi ima *virus nekompletnosti*.

Gödel je dokazao da za svaki izračunljivi aksiomatski sistem koji je dovoljno bogat notacijom da opiše aritmetiku prirodnih brojeva važi da (1) ako je logički ili aksiomatski formalni sistem konzistentan, ne može biti kompletan, (2) konzistentnost aksioma ne može biti dokazana unutar njihovog vlastitog sistema.

Njegov dokaz sam ovdje nazvao "virus nekompletnosti", on je to imenovao "teoremima o nekompletnosti formalnih sistema." Gödel je konstruirao formulu za koju je utvrdio da je nedokaziva unutar datog formalnog sistema. Ako bi formula bila dokaziva, onda bi bila lažna. Prema tome, u svakom takvom sistemu uvijek će biti bar jedna istinita, ali nedokaziva tvrdnja. Aksiomi tog formalnog sistema ne mogu dokazati istinitost svih tvrdnji u tom sistemu, odnosno ne mogu dokazati istinitost samih sebe u tom sistemu! Mora se izići u drugi formalni sistem koji je bogatiji da bi se istinitost aksioma jednog sistema derivirala iz aksioma drugog sistema. To znači da prvi sistem nije kompletan, ako je konzistentan.

Računarska znanost je zasnovana na formalnim logičkim sistemima (formulama aksioma, formulama koje su derivirane iz aksioma, na Booleovim funkcijama, na Fregeovoj logici predikata prvog reda, na logici predikata drugog reda.). Ovi formalni logički sistemi su osnova artificijelne inteligencije i logičkog programiranja. Njihov tehnološki izraz je Microsoft Office, Windows, i drugi sistemi računarskih programa.

Nakon što je *Microsoft* započeo produkciju formalnih logičkih sistema u formi računarskih programa, generacije za generacijom (Windows 92-97, Windows 2000, Windows 2003, Windows 2007, Windows 2010, Windows...) istovremeno je započeo i proizvodnju VIRUSA ZA WINDOWS PROGRAME...

U JEDNOM TRENUTKU JE PROIZVODNJA VIRUSA POSTALA GLAVNA DJELATNOST RAČUNARSKE INDUSTRIJE JER SU MORALI BITI PROIZVEDENI ANTIVIRUSNI PROGRAMI .Tako su generacije Windows

programa odlazile na otpad i morali smo kupovati nove kompjutere za nove generacije Windows programa ali i nove antivirus programe...

Danas je sve to prebačeno iz artificijelnih logičkih sistema u sferu bioloških fizičkih sistem. Pojavili su se virusi za ovu generaciju koja očekuje da neko pronade antivirus program tj. vakcinu.

Bil Gates koji je konstruktor Windows programa, konstruirao je i Virus za taj program i Antivirus program u korporaciji *Microsoft*.

Sada se najednom Bil Gates pojavio kao prorok koji zna sve o virusima i antivirusima u biološkim sistemima. Nekoliko mjeseci prije pojave Corona Virus on je najavio da će se virus pojaviti...Jedan računarski tehnolog, koji nije epidemiolog!

Mislim da nije pitanje više čiji je virus u nama, nego čija će vakcina (antivirusni program) biti u nama!

Model "izbijanja" virusa u virtualnom svijetu artificijelne inteligencije, i model produkcije antivirusa za tu generaciju sistema realiziran je u računarskoj industriji.

Više od 30 godina živimo u tehnološkom strahu da je naš kompjuter možda napao ili zarazio virus! Moramo kupovati antivirusne programe. Oni koji žele upravljati našim kompjuterskim sistemima i podacima u njima ubacuju u taj sistem viruse i preko njih ulaze u sve baze podataka.

Taj se model sada aplicira na biološke sisteme. Ova je generacija ljudske vrste ,koja je već dobila ime Generacija -19, zaražena ili će biti zaražena Corona Virusom kojeg je "predvidio" računarski tehnolog (humanista) Bil Gates.

Ova ljudska generacija (Human Generation -19) treba da kupi (od nekoga) antivirnsnu vakcinu.

Tako će izgleda ići dalje iz generacije u generaciju u ljudskoj vrsti. Nekompletnost biološkog sistema pokazuje da u lancima DNK i RNK postoje formule koje nisu čvrsto povezane i u koje se virus može jednostavno ubaciti i započeti reprogramiranje tih lanaca biološkog sistema...

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