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# The intelligence
# of the kingdom of living beings,
# the human thinking
# and the computer

*The structure of the intelligent thinking process*
*Psychological deductions*

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# Preface and introduction

Marvin Minsky told that the science is unable to establish the concept of the "perfect" artificial intelligence until the thinking activity of the human brain is recognised. I would like to add that perhaps the science is so far away from this point, because the scientists believe in the evolution. If they believed in a consciously established kingdom of living beings, it would be much easier to solve this problem. It is necessary to add, that these are namely the scientists who imagine themselves somehow as "gods" and they want to create an artificial intelligence with such intellectual thinking ability, what (as I explain below) even human beings are unable to do.

In the science people with high intellectual capabilities are generally present, but it is not always the rule. They learn relatively easily and they can recall easily the knowledge from their store of brain. The thinking is on the contrary an activity of a human in which he or she creates new and progressive thoughts, which have never been stored in the memory before. Consequently, if somebody knows the formerly reached results even on the highest level of the science, it is not sure that his or her thinking function is good and he or she is able to reach effectively new results. But it is obvious that he or she can have a highly recognised position in the science. A human being lives, feels and acts in the operation of the thinking function in accordance with an essential program of the brain. This program is the desire to reach more. The BIBLE describes it as "the desire to know the goodness". It appears in the everyday life, as the desire of people to get success, however, it is an aim, which becomes more and more difficult to access in our days.
In understanding of this essay I think it desirable, that the described concepts are formulated in accordance with the human grasp, i. e. the basic principles should be formulated according to the human grasp, as well.

A number of researches were done to find out how human intelligence works. I have already quoted Marvin Minsky, who declared that the science could make perfect artificial intelligence when it can give adequate answers about the human intelligence. I wish to add if it could give adequate answers about the human thinking. What is the cause that such a great number of learned people having an enormous financial support, which can be measured in billions of dollars, could not approach the solution? One of the causes is that they could not recognise the difference between the intellectual activity and the processes of thinking. Our Creator made a barrier between humans and the beings of lower order. An opposing scientific opinion could answer that this could mean that intellectual functioning of beings of lower order could enable thinking process through genetic transformations. The beings of lower order are ranked into order of development by this Darwinist proposition. This opinion comprises an extraordinary great mistake, stating that the living beings, which are known for humans, even the now existing species are ordered within this process.
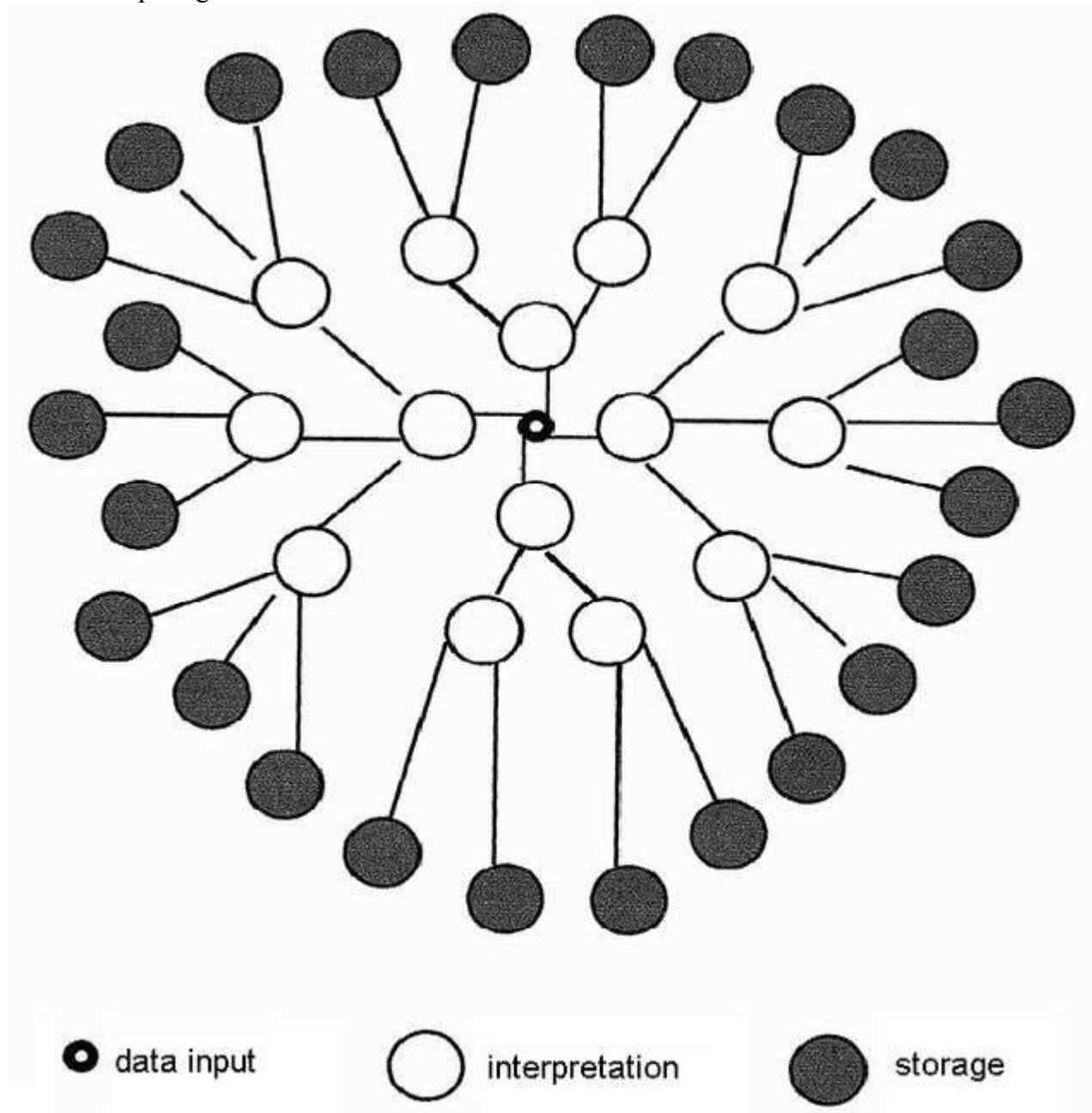Another cause of this failure of scientific success is that it insists on the Darwinist standpoint, which is opposite of the awareness of the created world. That is why scientists have supposed and suppose even now about intelligent and thinking processes of the brain that they require mathematical and scientific laws, which are not yet discovered and invented. It is no wonder that they could not discover the substantially simple intellectual and thinking process, or at least they wanted to create another more perfect one. Consequently the community of scientists may imagine itself as a "god". I think, that all members of the kingdom of living beings, which protect their lives and their "ability to function" using processes of brain, should be provided with a consciously and previously designed functioning of brain, which ensures the continuity of life through reproduction.

Please forgive me, but I think it important to present you the way, by which I arrived to this point. The way does not end, of course, but I need such support to follow it, which is not granted usually to an individual outside thinker. It can be sensed in any case that I did found these thoughts overnight. I would like to bring you to comprehension that I wouldn't show you anyway this way because of my selfishness. I was perhaps forty years old when I kept turning more and more the problem over in my mind, why human beings or more exactly the human thinking has namely such features? I needed some support even to terminate the primary school and I advanced very slowly for this reason. I am not religious but I believe in God and the Creation. In my thoughts I felt parallelism between religious teaching and commandments and their consequences in the human thinking. Ten years elapsed then I dared to formulate concretely my thoughts in documented form. I filed a patent application of an artificial thinking procedure. The application was filed on 28.07.1993. I defined an intellectual thinking system as determining feature of this intelligent system, which bases on the interpreted data storage and on diversified organisation of stored data. I could not manage to establish an adequate proposition for the data input at hat time. Nevertheless, I specified the single determining element of the system, the interpreted data storage.

On 29.09.1999 I defined successfully the model of human thinking by means of a technical tool corresponding to the state of art. The description of 27.09.1999 described the data storing elements, as a technique storing data according to difference of state. This description contained a strong reference to the forms of storing data in the brain. Data are stored in living cells of the brain. Scientists, who are much higher qualified than t, have already published scientific explanations of this storage. The fact, which I think determining, is that the method of data storage is the same, as described in this essay.

There is no doubt that a human being cannot radically abandon from the results of thinking and forms of living reached generally by the society. A human being has more chances perhaps, if he or she receives them according to his or her own thinking, i. e. not as explanation. I believed without doubt the "program of intelligence" much more complex and manifold, than it can be displayed, in the beginning. It was completely evident for me already in 1997, that this program and knowledge database must be based on the interpreted data storage. I thought that recorded data and data elements should be put through multiple interpretations and filters similarly to things, which are sorted on a conveyor. I thought it obvious that the interpreted data storage is a part and determining factor of all intelligent thinking processes of the brain.

I show the annexed simple figure to illustrate this idea.



**figure**

It should be an infinite multitude of programs to embody the idea. I always thought that it is impossible to operate human intelligence and thinking with an infinite multitude of programs. In 1999, however, I found a highly absurd and almost offensively simple solution. that I did not need to think in bits and codes any more, which was formerly very difficult. I even did not know at that The task can be solved using a general method of data storage in such way that data items are stored in sequences. The knowledge that ideograms e. g. of the Japanese language can have several meanings was very helpful. The novelty of the task was time, how to turn a computer on, so I thought, that this task cannot be solved using the known means of computer technique, or in the best case with several thousands or hundred thousands of linked computers. I thought later that a single data item, which contains a complexity of meanings, could be stored in a storing cell based on the difference of electric statuses. At that time I had to get more knowledge about the computer technique.

In this work Péter Szlávi, university professor helped me a great deal from whom I learned the most basic conceptions of the computer technique.

*"The first electronic computers were built in the middle of twentieth century. The basic principles remained substantially unchanged only new storeys are built on the base during the development.*
*One of the main parts is the central processing unit, which is called also control unit. Another main part is the store unit. The third part is the input-output unit, which supports the practical application of the computer. It could, however, work without input-output unit, as well.*

### The central processing unit

*It is the control unit or the conductor in everyday usage of the language. It knows only the command read out of the store unit. The program always determines the status of the central processing unit. The central processing unit is very simple and initially it is able to perform a very limited variety of operations. The programmer determines even the order of commands.*

### The store unit

*The store unit is relatively passive. It can generally store data and commands until the computer is turned off. It does this activity according to various programs, which are consequently the intelligence of the computer.*
*It is a basic knowledge necessary, that this unit can receive a program, which is written in »standardised terms«.*
*The data storage and the store mean the same function in the computer i. e. it is performed in the same activity.*

### The input-output unit

*It is a technical assistance unit of the computer, which enables its practical applications. The present day computers are provided with a powerful operating system, which enables attachment of new peripheral units. The operating system is a technical assistance tool for the operation.*
The present day computers seem to be intelligent because of their highly developed operating system and complexity. They could be, however, so intelligent, as the program, which operates them."
Everything described in the paragraphs above are, of course, obvious for an expert, but I put the questions according to my attitude of mind. The answers were formulated adequately to my knowledge. They were completely sufficient for me, to comprehend certain things. As I wanted to solve complex intellectual problems using traditional computer techniques, I learned thereafter more from Attila Szikora, who was university student at that time. I reached the simplest and most obvious solution. The complex meanings should be stored in bit patterns for the purposes of distinction. My way can appear "shameful", but I have to do it, because I could not even to turn a computer on, as I have already mentioned. My knowledge has become adequate to establish that the model of the "human intelligence" can be realised even on the traditional computers.
The introduction does not comprise any significant content. Nevertheless, I think that I could express my idea with an almost offensive simplicity and with consequences derived from this simplicity.
I was motivated to publish this essay because a great number of scientific and popular essays appear, which deal with the human intelligence and conclusions derived from it as psychological conclusions. These works, however, do not comply with the generally acceptable demand, that the intellectual process and the related situations in the life would be concretely described, which could prove them.

# The construction of the intellectual thinking process

If somebody wishes to give a comprehensive definition of the processes of human knowledge, he or she acts quite inadequately. The human intelligence and thinking has a multitude of processes, each of them can be delimited from the others.

There are two very similar words in the Hungarian language, which have nevertheless quite different meanings. These are "gondolkodás" and "gondolkozás" The first one means "reflecting" i. e. meditation within the existing knowledge, its repetition. The second one means "creative thinking" i. e. extension of the existing intellectual knowledge, creation of new results of thinking.

The ability of creative thinking distinguishes the human being from animals.
Programs and instructions being similar to programs determine the vital processes and those of functioning of living beings. The molecules of DNA or RNA are, which hold these instructions. The molecule DNA contains exact instructions for the shape, growth, vital processes, reproduction etc. of all living beings. The complete continuation subsists in this way in the world of living beings. The said programs and instructions are in the memory of living beings, which have more complex processes of living. The DNA molecules can hold program instructions for these living beings, as well. As I have no possibilities for research, I cannot declare that solely the instructions held in DNA molecules make function living beings also for the mammals. Nevertheless, I can surely declare that for humans the programs of brain are formed after the birth by direct input from the mother.

**First of all**, I wish to give unambiguous meanings to the definitions used in this essay. A letter of the alphabet, a word, a compound word, any grammatical forms thereof, any other sign, voice or scent ones included, data elements of any computer program, those of any movement, digitised elements of any still or moving picture etc. are defined as self-contained data elements. The data elements are linked together as in a chain in this way data series are formed.

It is expedient to define what are regarded as intellectual process and creative thinking one, which automatically extends the database.

A process is intellectual, which performs living processes within the existing scope of knowledge. An automatically extending i. e. creative thinking process is, which creates new data or data series and the created data or data series match to the existing knowledge they can be used in the processes of brain. The created data or data series are suitable to extend automatically the existing database and they are used to form living processes.
It is desirable to create a database of considerable extent to reach as good results as possible. The creation of results of a creative thinking process differs from that of a normal intellectual process that the created new data series are not previously stored in the storage unit of the used system (brain) and these results are created by the system itself. The applicability of resulted values should be novel in the applied context of concepts. The values of results should be proved by human intervention and experimentally.
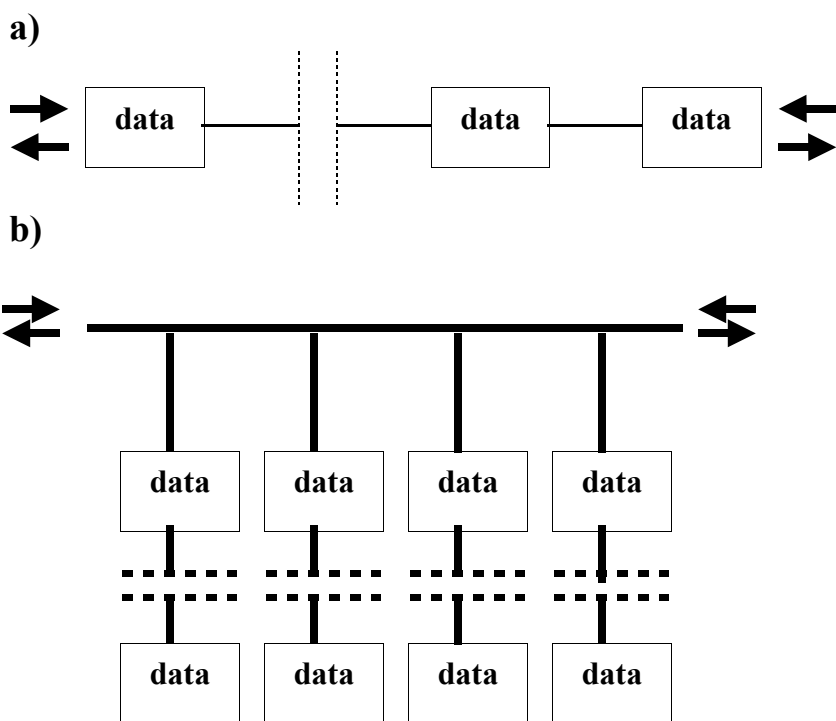
A favourite example for the creative thinking is the connection between the human being and the wheel, which is cited for ages. The wheel is a tool of the human being. The transport was known in the old ages, as defining necessity of the human activity. It was performed only by human effort in the beginning. The transport was accomplished later that goods were perhaps laid on a tool and slid. This means a creative thinking. At that time surely appeared a round object in the human perception, which somebody had seen to roll downhill. Actually the concepts of "vehicle" and "wheel", but they were divided. A human being accomplishing intellectual activity without constraint of repetition, he or she can concatenate some divided items of knowledge and create a result of thinking process.

The memory of the human brain is a multifunctional data-storing device, which can store either simple or complex contexts. A data storing method is required in the brain, which fulfils all requirements. Storing the data in data sequences fulfils the requirements, wherein all the storage cells of the data series can be filled. This enables to store even complex

contexts. This function accomplishes two aims. The storage and arrangement of complex contexts on one hand, and the usage of stored data sequences as samples, which is applicable to select the new data series created by processes of brain. This data storage method and an intellectual thinking process of the brain created an automatic intellectual status.
A single storage cell can also be filled within a data sequence using a function of another type. The memory stores characteristic data in a data series, which are related to the said single data item. This is the interpreted and characterised storing of data, which is basically applicable for the function of recollection, too.

The intellectual database is built up by continuous expansion. The basic condition of this expansion is that the determinant greater part of the expansion is accomplished by input of knowledge from outside i. e. data input. The intellectual database has dual structure. This duality has extraordinarily important role in the application and usage of the intellectual knowledge and in the creative thinking. The structure of the brain is able to accomplish this dual storing in a single structure.

The structure of this type of storing is extremely simple. The knowledge is stored simply in data series. I show the next figure for illustration, which method of storage of knowledge should need approbation from the part of biologists and physicians.

**a)**



**b)**



As I have previously mentioned, a data item can be any word of independent meaning, a voice, a taste, ache, a feeling of delight, a scent, a picture element, any independent element of feelings, especially that of touch, or an element of movement (a reflex one as part of movement) etc. A data item can be also a series consisting in multiple parts in absolute comprehension.
This format of storing accomplishes the multipurpose storing. The brain stores either automatically or directly concatenated data series in one case. Considering the above mentioned concepts the data series can be as follows: Continuous expressions having unified thought content i. e. sentences, melodies, concatenated series of movements, data series obtained by touch, a structure of a picture, where the unified data series of the picture are transformed into data series characteristically by the contours and the determining shapes.

The data series consists of a data item and explanations and characteristics linked up to it in the second case. Using a continuously expanding database of this type a general intellectual activity of the brain can be accomplished. It is the determinant feature of this activity that it contains only data series of the existing database.

The continuous speech is also an intellectual function, which consists of letters of alphabet, words and it is formed on the base of the practical experience of speaking. The thought, however, what one expresses in the next sentence or how he or she terminate the present sentence is a thinking function, especially if he or she has never said it before.
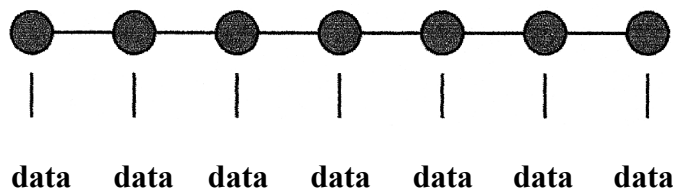
Consequently, the speech is not a reflex type activity like the movement on one hand. It is true on the other hand, that the speech is not a true creative thinking activity either, only if the brain has not yet stored the series of words (data series) before. The expression "politician for living" is frequently used in present days. If somebody has never heard before and made the following expression "scientist for living", it is a result of his or her creative thinking. There is no matter obviously that nobody might use this expression before. The matter is that the creation of this new expression signifies a result of creative thinking if it was not recorded before in the own database.

A brain of a newly born baby is absolutely empty according the generally accepted knowledge. The basic living functions like breathing, heart beat, digestion, absorption, excretion, deglutition etc. are maintained by the programs of brain, which operate these functions.

The memory of the brain records and stores the light, the darkness the voices and feelings without consciousness at the beginning. The intellectual database evolves mainly automatically simultaneously with the growth. The memory of the brain records and stores the elements of knowledge in complex form together with the characteristic facts. The direct learning and situations of life also constitute parts of the intellectual expansion.

I repeat the former statement. The intellectual database develops itself by continuous expansion. The fundamental condition thereof is that the determinant prevailing part of expansion is accomplished by input of knowledge from outside i. e. data input. The intellectual database has dual structure. This duality has extraordinarily important role in the application and usage of the intellectual knowledge and in the creative thinking. The structure of the brain is able to accomplish this dual storing in a single structure.

The structure of this type of storing is extremely simple. The knowledge is stored simply in data series. I show the next figure for illustration.



data     data     data     data     data     data     data

A data element can be any word of independent meaning, a voice, a taste, ache, a feeling of delight, a scent, an element of picture an independent element of feeling, especially that of touch, an element of movement (a reflex type part of movement). A data item can be also a series consisting in multiple parts in absolute comprehension.

This format of storing accomplishes the dual type storing. The brain stores continuous series of data either automatically or by direct input in the first case. Taking into account the above-mentioned concepts, the following items can constitute continuous data series: continuous expressions or sentences with unified conceptual content, melodies, continuous series of movements, data series obtained by touch, scents, where the unified data series of the picture are transformed into data series characteristically by the contours and the determining shapes.

The data series consists of a data element and explanations and characteristics connected with it in the second case.

This case enables to create a wide variety of structures. Different signs, pictures, words, things, events, movements, emotional effects, tastes, scents, sights etc. as leading data are linked together with different explanations and characteristics in the most common cases of the application of human intelligence.

This continuously expanding database enables to perform general intellectual activities of the brain. The determining feature of this activity is the application of data series.

All living beings, which have brain in its body performs its intellectual activity using simultaneous functioning of an interpreted database of the brain and a knowledge database of samples in its memory of brain. Programs or program instructions are necessary to these processes of the brain. The program should, in turn, somehow input in the brain. The limits of this idea can be surely determined by a great number of experiments. I think, that these programs are not

developed according to the evolution theory but by a concrete intervention. The religions name "soul" this apparently complex activity of the brain. They suppose that God "puts" it into human being when he or she is born, and it returns when the human dies. I don't believe this idea. I believe, however that a woman or more exactly the mother has a programming ability, which came into being when our Creator created the woman. It is the woman's brain, which puts this determining program, the desire to know more i. e. the thinking program of brain into embryo. Our Creator, however, intended a special role for the woman not only in this sole field. It is quite sure that the differences between the brain structures of men and women, which are aimed to intellectual arrangement, are based on a conscious intervention. A more diversified living area is created anyhow in this way, because there are no possible conditions for living, where women and men do not live together.

The mother's brain can put this complex function of creative thinking into the embryo's brain, the creative thinking function is provided in this way.

## The structure of the database of brain (differentiation of conceptions)
− **The interpreted database**
− **The knowledge database (database of samples)**

The **interpreted database** is the determining element of the intellectual thinking process. I show a database built up spontaneously without any selection using only 128 data elements and I use elements (words) of communication to make easier the presentation. The data elements can also be of course movement, sight, audition etc. according to the same principle. Furthermore the different data elements can be ordered into data series in the intellectual arrangement of the memory of brain having the only regularity that they should be linked one to another by logical, reciprocal relations and those of lifestyle.

horse 1 - animal 2 - clean 3 - race 4
table 5 - eating 6 - piece of furniture 7
chair 8 – to sit 9 – piece of furniture 7
sea 10 - fish 11 - ship 12
green 13 - color 14 - plant 15
car 16 - journey 17 - comfort 18
spade 19 - labor 20
physician 21 - curing 22 - cleanness 23 - illness 24
workplace 25 - livelihood 26
glass 27 - breaking 28 - transparent 29
house 30 - flat 31 - recreation 32 - family 33
rain 34 - getting wet 35 - watering 36
wind 37 - weather 38
war 39 - death 40 - suffering 41
illness 24 - physician - 21 - curing 22
paper 42 - writing 43 - depiction 44
telephone 45 - speaking 45 - comfort 47
jewel 48 - beautiful 49 - expensive 50
mountains 51 - excursion 52 - beautiful 49
France 53 - wines 54 -cuisine 55
England 56 - severity 57 - cold-bloodedness 58
USA 59 - richness 60 - comfort 18
Israel 61 - knowledge 62 - the Creation 63 - Torah 64
animal 2 - cat 65 - dog 66 - bird 67
race 4 - car 16 - horse 1 - richness 68
eating 6 - hunger 69 - good tasting 70 - necessary 71 - spoon 72
piece of furniture 7 - furniture store 73 - room 74 - flat 31
to sit 9 - jail 75 - tiredness 76 - school 77
fish 11 - fish soup 78 - aquarium 79 - river 80
ship 12 - sailboat 81 - barge 82 - boat 83

color 14 - blue 84 - green 13 - black 85 - yellow 86 - red 87
plant 15 - potato 88 - flower 89 - grass 90 - wheat 91
journey 17 - holiday 92 - labor 20 - visit 93
comfort 18 - richness 60 - abundance 94
labor 20 - subsistence 95 - creation 96 - household 97
curing 22 - illness 24 - physician 21 - nurser 98

cleanness 23 - woman 99 - hospital 100 - business 101
illness 24 - agedness 102 - bacterium 103 - immunity 104
living  95- labor 20 - fortune 106
breaking 28 - dish 107 - glass 108 - bone 109
transparent 29 - water 110 - glass 27
flat 31 - family 33 - money 111
recreation 32 - holiday 113 - lying 114
family 33 - child 115
getting wet 35 - rain 34 - pipeline breaking 116
watering 117 - garden 118 – soil 120
weather 38 - meteorology 121 - sunshine 122 - frost 123
dish 107 - eating 6 – washing up 119
water 110 - bathing  124 - drinking 125 - transparent 26
garden 118 - fruit 126 - beautiful 49
fruit 126 - vitamin 127 - food 128

The method of thinking of a human being is determined by the meanings, which he or she attributes to the words from his or her own intelligence. I would like, however to warn everybody against drawing extensive conclusions from a questionnaire filled up. The knowledge database of a human being consists of millions of sample data series, data series of lexical units, millions of their interpretations and structures of complex data units delivered by the organs of senses.

**A knowledge database** containing encyclopaedic knowledge is collected in the human brain, in its memory either automatically or in a natural way by human intervention. The data series formed and stored in this way, as it was mentioned above, serve for dual purpose. The database is loaded with as extensive knowledge as possible on one hand, and it serves to reach the desired aim as database of examples as tool of the intelligent creative thinking on the other hand. A uniform database is set up in this way.

The method of intellectual thinking process requires a process of organisation. In this process new data series are constructed from the same elements of the interpreted database using new relations, which correspond to intelligent results or results of thinking.

**An intelligent arrangement (an example with text)**

We wish to analyse numbers (data items) linked to some identical numbers (data items) within irregular series of numbers (data series) within a multitude of different series of numbers (data series) where the numbers of said series do not correspond to any arithmetical or geometrical series. These series of numbers are shown separately. We show the new series of numbers corresponding to the previous ones according to the same principle.
The analysis is performed either in a living situation (achievement of a new result of thinking) or in a situation with an outside intervention (learning).

The input (read in) series of numbers (data series) is:
**table cherry-wood piece of furniture → 5          129   7**
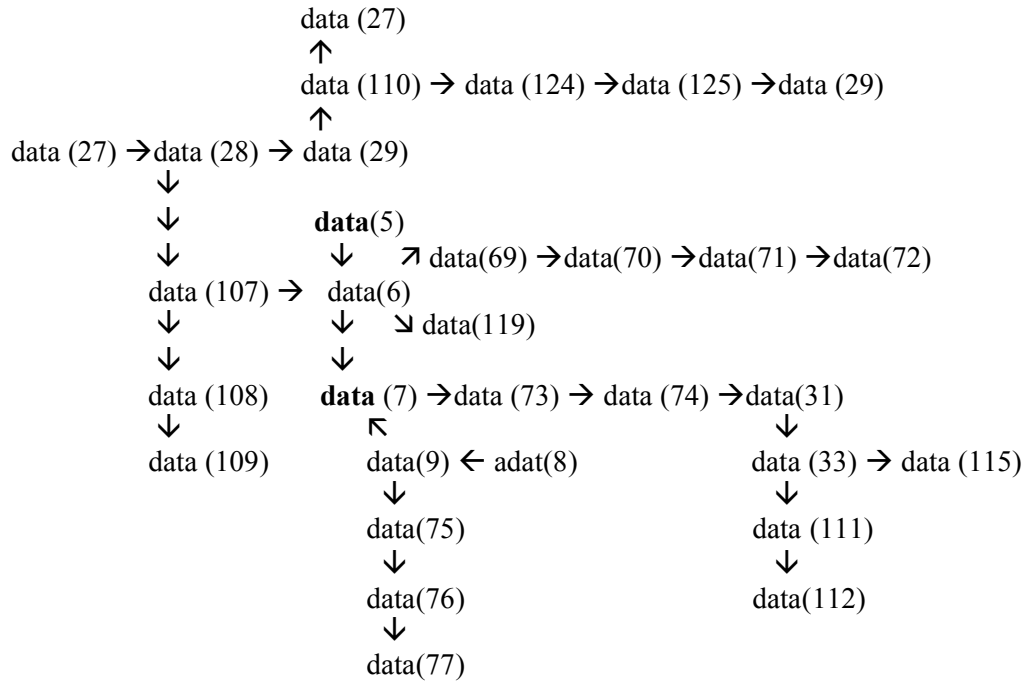
where:
**table (5)** → known data item
cherry-wood → new data item
**piece of furniture (7)** → known data item

The selected data item is → **table (5)**

Different data relations belong to the individual data items.
I show a figure of the arrangement, where the numbers are ordered according to a previously defined logical relation.
Either meaningful or meaningless data series are formed by the arrangement.

                                            data (27)
                                            ↑
                                            data (110) → data (124) →data (125) →data (29)
                                            ↑
                    data (27) →data (28) → data (29)
                                ↓
                                ↓              **data**(5)
                                ↓              ↓      ↗ data(69) →data(70) →data(71) →data(72)
                            data (107) →    data(6)
                                ↓              ↓      ↘ data(119)
                                ↓              ↓
                            data (108)      **data** (7) →data (73) → data (74) →data(31)
                                ↓              ↖                                    ↓
                            data (109)      data(9) ← adat(8)          data (33) → data (115)
                                               ↓                            ↓
                                            data(75)                    data (111)
                                               ↓                            ↓
                                            data(76)                    data(112)
                                               ↓
                                            data(77)

                              **figure**

| 5  | 6   |     |     |
|----|-----|-----|-----|
| 5  | 107 |     |     |
| 6  | 5   |     |     |
| 5  | 109 |     |     |
| 5  | 28  |     |     |
| 5  | 107 | 28  |     |
| 5  | 107 | 29  |     |
| 29 | 5   | 107 | 28  |
| 29 | 28  | 5   | 107 |

Only meaningless data series can be formed from the arrangement of data items (5), (107), (28) and (29) in relation one to another.

In continuation:

| 5 | 107 | 28 | 29 | 27→5 | 29 | 27-107 | 28 |
|---|-----|----|----|------|----|--------|----|
|   |     |    |    |      | 29 | 27-5   | 107 | 28 |

Only meaningless data series can be formed from the arrangement of data items (5), (107), (28), (29) and (27) in relation one to another in the following steps.

In continuation:

5       107    28    29    110

No meaningful data series can be formed. There are 25 meaningless data series as result.

In continuation:

5       107    28    29    110    120

No meaningful data series can be formed. There are 36 meaningless data series as result.

In continuation:

5      6      7

No meaningful data series can be formed.

In continuation:

5      6      119

No meaningful data series can be formed.

In continuation:

| 5 | 6 | 69 | | | |
|---|---|----|----|----|----|
| 5 | 6 | 69 | 70 | | |
| 5 | 6 | 69 | 70 | 71 | |
| 5 | 6 | 69 | 70 | 71 | 72 |

Similarly to the examples shown above these ordered data series may be meaningful according to the arrangement of data, but they may be meaningless, too. We can declare that they are not meaningless from the outset. Similarly, there are data series in the examples shown above, which are meaningless in any arrangement of data.

The selected data item is **piece of furniture (7)**.

| 7 | 73 | $\rightarrow$ | 73 | 7 |
|---|----|----|----|----|
| 7 | 74 | $\rightarrow$ | 74 | 7 |
| 7 | 31 | $\rightarrow$ | 31 | 7 |

In continuation:

7    73    74    $\rightarrow$    73    74-7

No meaningful data series can be found in the continuation.
In continuation:

| 7 | 73 | 74 | 31 | | |
|---|----|----|----|----|-----|
| 7 | 73 | 74 | 31 | 33 | |
| 7 | 73 | 74 | 31 | 33 | 115 |
| 7 | 73 | 74 | 31 | 33 | 111 |

No meaningful data series can be formed from these selected data in any arrangement.

This figure of arrangement consists of relations of altogether 128 data. It is asymmetric for this reason. It is obvious that a figure consisting of several thousands or ten thousands of data could give a symmetric picture.

Both meaningful and meaningless data series can be formed by arrangement for the selected data **cherry-wood 129**.

A great number of data series are formed in the process of arrangement. They can be obviously meaningful or meaningless. What would select, however, the meaningful data series? It is exactly one of the data series previously stored as lexicon. Consequently the program of selection is the conformity with a completely identical data series. It should not be forgotten that the memory of brain is able to store an indefinitely great quantity of knowledge i. e. an indefinitely great number of data series. Consequently the intelligence of brain is based on the repetition. Although this example contains text data, the basic program of repetition relates to all previously specified data-recording elements.

There are surely a number of people who say that it is impossible "It is impossible that my brain could be built so". But we have got to face facts. In fact, the human intelligence is based on the "stupid and insensitive" repetition. This fact relates to the elements of movement, the forms of expression in a sentence, the hearing, recognition of smells etc. We imagine the intelligence as higher activity, because it is a doubtless fact that this process can "select" from a huge database. So we are inclined to believe that tinged and varied activity is based on the high quality of intelligence.

What can we, nevertheless, name as result of thinking? When we ourselves perform a thinking activity, which is new and having extending character in relation to the basic database, it is a thinking activity. The formation of speech can represent thinking activity. It is, nevertheless almost negligible in comparison with all the speaking activity what we do during the life. The extension under influence from outside is generally characteristic. This is simply learning and no independent result.

I expound below some aspects of the intelligent activity. For a human being the intelligence database of movement and its application can be explained in the simplest way that the different elements of movement consist of reflex type partial movements. All of them can mean independent data. The human being makes a huge amount of experiments to develop the perfect movement while he or she grows. The failed experiments can be accompanied with pain or frustration. These "failures" (as connected interpretations) are stored in such form that the movement cannot be continued in that aspect. Regarding the formed walking a continuous series (data series) are established from the reflex type partial movements (independent data) in the memory of brain. For execution an internal command is issued, which adapts itself to the numerous characteristic features of the actual circumstances and to the sample series built up with these known features.

The intelligent repetition process can also characterised as remembrance process. This concept is result of intelligent arrangement and selection.

I wonder if a language which can be a desire and constraint of self-proving of a nation what role can play in the establishment of a result of thinking? What kind of parallel constraints do the talent and envy form?
What kind of behaviour is to which the desire of talent incites the human being? Whether the educational level affects inevitably the human honour? Whether the desire to become rich can change people? The answers can be surely yes or no for any of them. A particular person wills, however, never recognise his or her "human weaknesses". Each human being has completely identical structure of brain after birth with the exception, of course, if somebody is not healthy. It may be declared that a certain human being becomes "superior" to others under the influence of his or her circumstances.

The molecules of DVA (or RNA) can also contain programs, which are necessary for vital processes and for performance of life mainly for simpler creatures. Chickens can e. g. walk immediately after hatching of eggs, and the breathing, heartbeat, absorption etc. "function" immediately. A gazelle stands up immediately after birth and can walk or run in a very short time. This shows that a "knowledge from the Creator" may be present in any creature, like the program of continuity (in the DNA) of plants.

The determining factor of the human thinking is in which tendency the intelligent grasp is formed during the development. The most extreme explications can be made on these principles. The need of energy is one of the determining factors of our age and huge amounts of energy are lost even in the deserts. The human intelligence cannot approach to its solution, because the general human intelligence is very far from the ability to solve it.

The human thinking ability enables only stepwise development because every new idea can be based only on the existing ones, on the existing knowledge database. This fact can be even limitation to the development at the same time. It is almost impossible to create a new idea from an already formed existing knowledge database, which new idea is quite different from the existing knowledge database.

An abstract consequence can also derived from this fact. The scientists for living are almost unable to create definitively new ideas because their knowledge databases are extremely loaded and closed. The unrecognised "extravagant" thinkers have occasionally much more chance.
This fact is, of course, realisable primarily in the practical sciences.

## The intelligent thinking processes of brain connected with the movement especially for the human beings

The conformation or more exactly the state of musculature can limit the repetition of elements of movement. A human being having weaker or stronger physical state can generate different data series for movement in the same occasion. Even a first-class sportsman or -woman has to "learn" anew and anew the series of movements as his or her physical condition changes. Similarly a human being getting older has continuously renew the data series of the changing complex interpretations and patterns, as well.

It can be recognised from the description above that a human being, however issues the same series of instructions (data series) for a movement, nevertheless the movement is executed depending on the different statuses of several organs and it will be changed corresponding to the said statuses. This is the cause that a human being is almost unable even to make two signatures of identical shape even if he or she wills it. Even the shape of the line constituting the signature depends on the actual state of nerves.

## The intelligent thinking processes of brain connected with the smelling

In the storage and recognition of smells the intelligent thinking processes of the human memory have the same dual character as any other process of brain. It is unknown whether this is the cause but the sense of smelling of the human being is less effective than that of the animals having sense of smelling.

## The sight and visualisation in the memory of brain

Representation of images standing more away from the focus of the eye in a plane or in the space.

The image formations going along the stronger contours like at drawing up to the translucent things.

The colours according to the same principle together with the space filling shapes of colours.

The data elements of colours and their interpretations. They make up together the characteristics of the seen image.

The intelligent thinking processes of brain is founded on the storage of data series and the sight in images is founded on the same principle. The memory of brain can store the individual elements of the seen image if the data elements are mutually dependent one another, which can be accomplished in the way as described above.

The image making and recording systems are made according to another principle in the practice. The brain stores the data series exactly as they are seen i. e. in a plain or in the space on the base of contours and colours. The shades of colours are additionally stored. According to a very simple description, the memory of brain stores the image like it is drawn. The determining difference of this storing by the brain is, that the data series of the image, which stand more away in plain or in space from the focus point of the eye, are stored in weaker defining contours. This contrasts with the intelligent storage of e. g. the smelling or tasting, because the possibilities of changes of these concepts may be considered as infinitely large. Only a movement can cause change in the sight of image, but it is indirect change.
The perfect reconstruction of images could be done by bringing into practice a picture recording as the intelligence of brain does it.

## The interpretations in complex data series

All the intelligent processes where different data elements of feelings like movement, smelling, sight, hearing etc. are stored or data series are built up therefrom, these processes can be regarded as intelligent thinking activities of brain. The

elements of a data series can receive various interpretations, which cause to simultaneous change of formation and arrangement of data elements belonging to a multitude of other concepts.

The touching offers a very good example to understand the said process. It is not necessary to touch with hand some things or living beings to identify them exclusively by touching. The automatic selection of the sensed characteristic features relating to the actual data is the most adequate. Obviously an intelligent application based only on the touching cannot furnish complete identity.

Our organs of sense collect and record the data and data series originated from the same thing on their own "language".

Let us see an example.
We touch and lift up a ball.
The memory of brain stores at least four parallel data series. The seen information and the touching give the roundness. The measure of force acting to the muscles and nerves obtains the weight. Our fingers impress the surface, which defines a status, as well. Having obtained this information, we can recognise a ball even with closed eyes. Blind people use information delivered by hearing and other organs of sense for the processes of movement and for activities of life in enhanced measure.

The walking and running are data series of movement, wherein several organs of sense generate data series. They are at least two in addition to the movement itself in case of walking or running. The sole senses the weight on it, the muscles and the tendons also transmit data series and the command data series issued by the brain form complex meanings, too.

The data delivered by different organs of sense should be conceived in a data series, like the different data are described in different languages and an internal "interpreter" translates them into one language.

A great number of examples or intelligent statuses could be described, of course, about the conclusions.
It could be concluded on the base of description that every human being, once born healthy, has the same **program for life** of intelligence and thinking.
The circumstances of living are, which make differences between human beings. The hereditary knowledge and the created one are present in the child at the same time.

The DNA contains the programs for protection of our organism, as well. The DNA molecules of a newly born baby are inherited and motivated variants of DNA of parents.
A good example for proof of this position is described in a work of Professor of neurology Dr. György Pálffy. He documented in this work, that people of certain nations surely cannot catch a certain disease of vertebral column.

The declarations of opinions about cloning are rather in the mode nowadays. Please, permit me to explain my opinion about this object.
The human understanding and the human intelligence factors became so manifold and contradictory that the simplicity of the "object" is frequently forgotten. Unfortunately I feel that representatives of the science are completely responsible for this unhealthy experimentation. It is a more serious tragedy that the woman, the mother is chosen again as object of unhealthy experimentation.

The science hides behind appearances and good sounding expressions, which allows to suppose superhuman knowledge. The definition of "test tube baby" is one of such things. It suggests to millions of people that the embryo develops to human being in a test tube. Having uncorked the test tube the human being is taken out at the end of development. It is shameful that the woman's womb is named as test tube.

The cloning is that DNA of human cells, which are no more living, are built artificially into ovum. It is the program of "test tube baby" again, which accomplishes the cloning.
What result can be expected from the born cloned baby? It is known that even the outside features of the father and mother are known it is not obligatory that the born human being is similar to them. The outside features can be similar to one of grandparents, as well.

The intelligent knowledge of a cloned baby is also defined by the natural circumstances. The fundamental necessity of the hereditary knowledge, which can be received from the mother and the knowledge from the Creator is extraordinarily doubtful if it is reached by inserting DNA from a foreign cell, which is no more living.

If the hereditary knowledge content has influence to the life in the modern societies then the result is extraordinarily insulting for the mankind. <u>If some program elements of the DNA from the cell no more living are damaged, the cloned human being will be surely damaged when he or she is born.</u> Such damage can lead to human catastrophes at any time. But what is the need at all in the cloning that the science feels necessary? What is the aim, which it can reach in this way, which cannot be reached in other ways? What is the aim, the scientific aim, which the scientists want to reach by this intermediate process?

Unfortunately the human understanding becomes stepwise unhealthy not only in the world of MEDIA but even in respect of scientific aims, too.

A work of researchers of the 1<sup>st</sup> Division of Pathology of the SOTE (Ignác Semmelweiss University of Medical sciences) of title "Programmed death of cell") was published in 1995. A researcher, whom I may not name, had some chats heartily about this subject at that time. I put ** instead of his name. I got to know, that the title of the research means a program defect of the cell. Obviously I could not understand and cannot understand even now the particulars of the program because of my missing knowledge. Thinking again about this object, I found a contradiction, which seems to be interesting. As I got to know from ** the number of chromosomes and DNA molecules are quite irregular in a cancerous cell differing from those in the cells of healthy human tissues. As ** expressed anything can be present in a cancerous cell. What indicates this fact? It points out, that the program defect should be rather searched in an eventual defect of the "immune program". If the DNA of the cancerous cell held the program with defect, the defect can be eliminated by "change" of the DNA with that of healthy cells of the same person or a method of treatment aimed to the said change. The cause may be a "program defect" in some cells of the neurone chains, which are responsible for the maintenance of our organs and the damages can be caused by biological short circuits originated by stress.

I would like to make another remark. A human being makes several hundred thousands of data series to perform a certain movement up to the age of 20 years and simultaneously extends the intelligent database by defining the changing circumstances belonging to this movement. All these patterns are available and when the human being chooses a pattern to the actual movement, he or she can do it choosing from several hundred thousands of successful patterns without considering the numerous unsuccessful "experiments", which are also stored. Nevertheless, the scientists want to create an artificial intelligence, wherein the "apparatus" issues always the most adequate solution. Consequently I have right to declare that some of scientists imagine themselves as gods, however they are friends of evolution.

I respect very highly Mr. **. Unfortunately he do not agree completely with the content of this work. He did not give his consent to mention his name in this work.

# Psychological deductions

The memory of brain stores the knowledge with true qualification as any other memory of knowledge. If some piece of knowledge is stored as false then as it is known from the mathematics this false qualification becomes a true knowledge. It is essentially important for the function of the human intelligence what kind of information or knowledge is accepted as **true**.

**The obtaining of information or knowledge from written sources like books is on the first step in this scale.**
**The next step is when well-reputed and acknowledged people make known their knowledge.**
*The next step is when teachers transmit knowledge censored by the actual power.*
*A number of motivated sources may follow them. The MASS MEDIA is extraordinary harmful within this series. It is harmful, because it is able to do "anything" for money as profit oriented company or concern.*
**Consequently, the humanity always needs people whose translated knowledge can be stored completely and "without control" in our memory of knowledge.**
**This basic position is determinant.**

The humanity can suffer even damages from the abuse of this pressure, which is otherwise very important for it and makes easier the development. As the "storage cells" of the memory of brain accomplish electrical and biochemical statuses, short circuits and biochemical blockades can occur if too many contradictory qualifications (stress) in comparison to the existing knowledge or those of high importance suddenly in a too short time occur in the brain. This situation leads to neurosis, which is harmful to the immunity among others. The **true** meaning of the scientific terms or items of dictionaries are not authoritative in this interpretation. The essence is that the collisions between the knowledge, which the affected person believes true and the data or data series, transmitted as identical but with contrary interpretation causes the "short circuits" and "blockades".

The most fundamental principle is that all stored data or data series are inserted as **true** knowledge in the memory of brain, in any other case as **false**.

The true knowledge content is not the "general qualified human truth content" in this interpretation. All data are stored as true content in the memory of brain according to the interpretation of the individual person. One of cases of stepwise developing depression if an inserted **true** content collides with the individual opinion of the person (a biological short circuit occurs). I confess that my well-disposed critics think my explanation insufficient. Perhaps the contradictory situations of life can be described in shortest way. If they prevail in quantity result in confused and contradictory interpretations. One cannot make limitations any more in this phase as "physician's intervention". The lie prevails over the honesty, as I used to formulate.

Consequently, any data input is qualified as **true** or **false** always from the point of view of the individual person and it is not considered as a general human truth content. An obvious consequence derives instantly that the MEDIA and the politics have enormous influence to the formation of depressive circumstances of life of people.

Women and young people are the most endangered parts of population. The psychical burden of the living is much greater on the women and they are the single 'pillars' of the human life. They must accomplish a lot of 'roles'. In consequence, their brains are much more connected with the contradictions. Young people have very small knowledge databases, they can do nothing with their force, agility and readiness to learn etc. To compensate the "biological short circuits" they act instinctively or automatically in their memories of brain. Such compensations can be the long hair, abuse with drugs or the deformation of appearance with different ornaments etc. This simple reaction may have another motivation, too. According to the general understanding we consider people happy on the base of their apparent behaviour. We accept the appearance and make accept it by our memory of brain in our understanding for our egoistic endeavours, that it is sufficient to imitate the appearance of the "happy" human. If the desired effect fails we face to a greater contradiction with the **true** knowledge content. The depression becomes greater.

It is one of the favourite subject matter for the psychologists to explain how the reactions of two or more affected persons can differ to the same circumstance. They create different scientific explanations, which are difficult to understand. They appear to believe that the real causes can be diagnosed using this seemingly scientific point of view. The cause is, however, very simple. Several millions of events are stored as data series in the memory of brain of every human being. Even the smallest difference in storing of the same event allows storing and using different data series. The possibly more different possibilities of storing enables "shaded" reactions. Up to the defined moment of time the data series were stored in the life according to different types of understanding. It is almost singly the obligatory subject-matter of instruction of school, which is stored according to unified understanding. This knowledge is, however, accompanied with other data series originated from the circumstances of life its completely realistic understanding and the deduction of results the reaction is doubtful in this reason.

This is the reason why a man and a woman can completely differently understand the same situation. No one of them cannot understand why the other does not understand his or her motives, however, they live together since twenty years. The mutual understanding seems to be reached if the partners do not endeavour the "forced" understanding of the same thing. Both of them accept the understanding of the other. Here is another extreme example. A young man who graduated in three universities and an elderly man who completed only the primary school understand surely quite differently the same situation of the life. But the elderly man has more chance to make right decision. Nevertheless, this cannot be accepted as rule to accept regularly that right decisions are consequences of the elderly age. They might not be consequences of the higher education either. The education may be decisive in the acceptance of a grammatical rule or a law of mathematics or physics, which are proven, but it can be only a possibility to be considered when the question is about opinions.

When we wish to overcome our repeated "faults" in the way that we call to account other people for our own acts i. e. we criticise the same acts of other people then we struggle against repetition of our fault in our understanding. But we reach generally only this point, we are unable to do real change.

We can conclude from the analysis how complex and different types of understanding can be made as result of the very simple intelligent thinking process but with usage of different very large knowledge databases. We have not yet analysed that there are also deliberately egoistic forms of behaviour. There are also deliberately egoistic forms of behaviour, which serve only for financial interests. They make so difficult the possibilities of intelligent human coexistence that gradually more people become depressed etc.

The **guilty conscience**, as concept of human feeling, occurs when we issue command for a process of brain, which is contrary to our "understanding", even if they are "justified" commands from the point of view of the life. I should explain here my opinion about the concept of soul.

The **soul** is primarily a multitude of interpretations of concepts. In this network of interpretations data related to objects and events can occur, too. The "soul" of an individual human being depends on the data series and interpretations of concepts, which he or she stored during his or her life in the memory of brain how these concepts strengthened or received mutually opposite meanings. The "knowledge content from the Creator" and the "hereditary knowledge content" have, of course, also influence. This status can be considered as basic status.

The **love** is primarily donation of God.
The connection between the love and intelligence, its constraints. There is no doubt that the programmed sexual desire takes part therein. The species should become extinct without it. Our Creator blessed the sexual act with a fantastic feeling of joy. Maybe He did not trust enough in us that we would reproduce ourselves without this joy. The love is derived therefore from several desires and constraints. The desires are such as the desire of conquest as feeling of success, the love as desire to be accepted in one form, the eventual desire for sincerity and confidence. There is furthermore the desire for an ideal connection between a man and a woman that is a "chosen" form of the human "egoism" the strength thereof is strengthened by the idealised value of understanding.
When we choose our partner for life we can often recognise that the choice was done according to a generally accepted pattern. Women often choose charming, good-looking masher, a man who is able to pay court to women. In some cases it appears in the meantime that the burst of feeling was only temporary from the woman and she became only victim of the appearance. Nevertheless, a long time must elapse until the divorce. The possible barriers are that one or more children were born the customs of the society or religion or the woman overestimates her ability to change the man.
Women can become victims of other seeming effect, as well. I used to say that women do not recognise in some cases that they love their partner only for their money. A woman in such position falls into "sin" with a younger man almost without exception after a certain time. It is possible, that the man is motivated only to conquer the woman. Men have more "ancient" instincts (sexual desire) in this respect. It is so strange that a very simple intelligent thinking process of brain makes so complex and apparently "inexplicable" the secret of human thinking. Women could present surely examples relating to men, too.
Nevertheless, we can declare that a human being has gradually less chance for living in couple for long time. The causes thereof can be found in the intelligent ability of humans and in the contradictory world, which weighs heavily thereon.

The effectiveness of the **remembrance and forgetting** depends on a multitude of factors. Occasional records can be almost surely recalled in connection with defined circumstances or characteristic features within a short time. An occasional record can also recalled after long time provided that a defining characteristic feature occurs. The recalling of memorised data like matters learned in the school depends on the content, the characteristic feature containing the matter (like the teacher's personality) and mostly on the possibility of the multiple storing (swotting). In entirety the intelligent process of remembrance depends on structural medical and biological aspects, too.
The remembrance is also an intellectual process of brain in that the process of remembering is based on the interpreted storage of data. There are always some characteristic features in the environment of events or things, which are interpretations at the same time. They can be stored in numerous forms together with a great number of motives in the memory of brain. Some memorised facts, which happened even twenty years ago but they are recorded multiple times can be recalled together with the environment of experience of that time even after twenty years. An example for this remembrance is that in connection of a film seen many years ago the remembered pictures can be recalled completely when we see a similar event or hear its music "with closed eyes".

The **learning** is the extension of the knowledge database. Both humans and animals are able to do it. The learning is also the intelligent extension of the pattern database. The science of our age draws a number of bad conclusions from this intelligent activity of brain. It is automatically impossible to draw any serious and generally applicable conclusion from the results of experiments with animals, because the human brain performs simultaneously intelligent and thinking activities. It is true in such extent that the program for extension of results of thinking (the creative thinking program of brain) affects almost all the activities of brain. This program is an instruction, which is present in the whole human life. This is the desire of success. The BIBLE describes it as "the desire to know the goodness". This program makes us, however, even bad in the same time, because this program is unable to follow the principle of the deduced protection of values. The human being should add this principle to our basic program. It is the general scale of values of the individual person, which could establish its "standard".

How is it possible that people in connection with psychosis have such reminiscences, which are completely inexplicable from their lives? Its possibility can be found in the reality. It is proven from my point of view that the mother has programming ability. The simpler living beings hold their intelligent knowledge in the DNA (RNA) molecules. There are a great number of animals, which are able to walk or run and perform other processes of life immediately after birth without any "learning" because the instructions included in the DNA (RNA) molecules connect the function with the birth. Our Creator provided the mother with the ability to make the thinking process continued. The mother transmits the program to the newly born human being at the birth. Some determinant reminiscences may be connected with the program at the same time, which have strong effect in the subconscious. These reminiscences may be transferred occasionally through several generations. I think that the explication may be searched not in the reincarnation but in a more acceptable reality.

Finally I explain the most important conclusion. The **depression** is nothing more than a previous reaction of fear of the contradictions of life, which really or potentially occur in the future. The explications of the signs can be searched in these facts, when a human suffering from depression is able to burden on himself or herself everything, which occurs in the environment or reacts out the contradictions in other form ("for the sake of survival").
Consequently the depression is the constraint of "survival" of the human being. It is a defensive reaction of the brain, just like any other immunity program for living.

# Closing remarks

Please let me to make the conclusions completely having purpose in itself. I would like to conclude on the first place that the intellectual view, which defines the humanity, became so egoistic according to defined interests that one can declare that the humanity reached the highest point of its possible development. In this process of understanding there are already more consequences, which are harmful for the values of humanity, than potential technical benefits.
The scale of values of a particular human being can be recognisable never by the phrases. The human being becomes known by his or her acts. The religions have much more responsibility now than to transmit their "stupid" and egoistic traditions. The religions should declare themselves whether they regard every human being equal. Do they accept the God's will according to that all human beings, once created, have completely equal "talent" at the birth? Because if they perform only their religious services in egoistic and tradition-bound way then people forced to disadvantageous living circumstances are not protected against the promises of priests. The humanity has lost even this chance to the honest life

I think that our Creator created perfect human being. I confess that I have had doubts for long time. I think that this doubt was also caused by the egoism implied in the human being. Two parties are necessary to create the perfect human being, God, our Creator and the human being. God provides the continuity and the human being should add the "patterns and data series" of understanding, which are necessary to the perfect function. The question is frequently asked whether God "punishes" that who makes bad deed against his fellow-being. I do not understand why the Almighty should "punish". He created us exactly such we are. It is possible that he is not happy what happens on this planet to his creatures.

We could do that we would make him happy.

I would like to share a suspect of mine with you. The DNA (RNA) molecules contain more than the structure, function and intellectual program of a particular creature. I think that the DNA (RNA) molecules contain, similarly to the annual

rings of the trees, also the age of the being i. e. the age from the Creation. I suspect that the scientists "guess" already something about his fact, but they cannot make it consistent with Darwin's theory.

The community of scientists insisting on Darwin's theory issues the most absurd explanations to the circumstances of depression caused by the contradictory world of our age. The one of such explanations is that a human being utilises only a small part of thinking abilities of his brain. They suggest with this explanation that the human being could much easier treat the mental overburden if he or she could better utilise the capabilities of brain, which could enable better life to a great number of people. But the oversizing is necessary even the mechanical constructions are oversized three or four times. Consequently a human being can never reach in his or her life that the memory of brain is completely full.

The other absurd explanation is when the scientists declare that the brain structure of human beings did not develop adequately to the requirements of loading derived from the technical and living circumstances of our age. One cannot say anything to this declaration but points on the fact that hundreds of people die on the streets and well-paid scientists explain contradictions of our world by this absurdity.

In this essay I endeavoured to give an explanation of the intelligence, as a process containing the repetition in itself, in the kingdom of living beings, especially the human intelligence, which uses the general intelligent knowledge of the humanity. The creative thinking activity is very small in our everyday life. It is the repetition what defines the existence of a human being and the humanity. The science and the religions have extraordinarily high responsibility to the future of humanity.

In contrary to the opinion of a great number of scientists I declare that commercial computers contain fundamentally much more knowledge even when they are turned on at the first time than the "human intelligence". It has more potential abilities according to the added programs than the directing program structure of the human brain. The computer cannot become tired it has no psychological motivations to contradict. There are a great number of further reasons, which can be specified.

Finally I would like to express the following ideas:
**A human being can overcome a certain situation of life if he or she is able to understand it really.**

**Every human being depends primarily on his or her understanding. His or her real scale of values can be qualified only in his or her acts and his or her relation to the fellow-beings and not according to his or her words in this reason.**
Attention! It is not the honest people who should prove their honesty against the unbalanced status of our world burdening the humanity.
Thank you for the honouring attention.