Sebők Csaba

Elective 1

2024-06.09

**Can you guess my words?**

**Chat GPT game**

**Experiment:** I’m going to play a game with Chat GPT, the purpose of this game is to test the Chat GPT program how fast it is able to figure out the word that I’m thinking of. The words includes English words such as tranquillity, marriage. Let’s start the game.

Word one: **tranquillity**

Chat GPT: Sure, I'd love to play a word game! What kind of word game do you have in mind?

4o

Have you ever heard about barkochba?

ChatGPT

Yes, I'm familiar with the game Barkochba (also known as "20 Questions" in English). In this game, one player thinks of an object, person, or place, and the other player asks yes-or-no questions to guess what it is. The goal is to figure out the answer in 20 questions or fewer. Would you like to play this game? If so, you can think of something, and I'll ask questions, or I can think of something, and you can ask questions. How does that sound?

4o

In this case, you will ask question and I will answer with yes or no.

ChatGPT

Great! Let's get started. I'll try to guess what you're thinking of.

**Attempt 1:** Is it a living thing?

4o

No

ChatGPT

**Attempt 2**: Is it something man-made?

4o

No

ChatGPT

**Attempt 3:** Is it a natural object found outdoors?

No

**Attempt 4:** Is it a natural object found indoors?

No

ChatGPT

**Attempt 5:** Is it a celestial object?

No

**Attempt 6:** Is it an abstract concept?

Yes

ChatGPT

**Attempt 7:** Is it related to emotions or feelings?

Yes

ChatGPT

**Attempt 8:** Is it a positive emotion or feeling?

Yes

In this part, the program provided two possible answers: Is the word related to happiness or the concept of happiness. As the word is related to happiness, the program started to ask abstract nouns related to happiness such as joy, love, contentment. Finally, the program asked the word serenity as I wrote that yes, but I thought a synonym of serenity. The word tranquillity was figured out.

Word two: **marriage**

**Attempt 1:** Is it a physical object?

No

ChatGPT

**Attempt 2:** Is it an abstract concept?

Yes

ChatGPT

**Attempt 3:** Is it a concept related to time?

No

**Attempt: 4**: Is it a concept related to space or dimension?

No

ChatGPT

**Attempt 5:** Is it a concept related to human behaviour or psychology?

No

ChatGPT

**Attempt 6:** Is it a philosophical concept?

No

ChatGPT

**Attempt 7:** Is it a concept related to creativity or imagination?

No

Is it a concept related to knowledge or wisdom?

No

ChatGPT

**Attempt 8:** Is it a concept related to relationships or connections?

Yes

ChatGPT

**Attempt 9:** Is it the concept of trust?

No 🡨YES?!

**Attempt 10:** Is it the concept of empathy?

No🡨YES?!

**Attempt 11:** Is it the concept of communication?

No 🡨YES?!

**Attempt 12:** Is it the concept of understanding?

No 🡨YES?!

**Attempt 13:** Is it the concept of collaboration?

Not, exactly 🡨YES?!

**Attempt 14**: Is it the concept of partnership?

Not exactly 🡨YES?!

**Attempt 15:** Is it the concept of camaraderie?

No exactly. 🡨YES?!

**Conclusion:** My hypothesis was that it would take more time to figure out the word tranquillity, because it is a more abstract word. Tranquillity depends on personal factors, and it is a highly relative concept, which alters individually. On the other hand, the Chat GPT has failed to figure out the word marriage, which is a more common abstract noun – but the human “instructions” could be “wrong”... Although, the program was close to the concept of marriage, because several factors and other concepts were mentioned by the program that certainly related to the word marriage. In my interpretation, the closest words were intimacy, affection. All in all, the result of the game does not certify my hypothesis.

It would be nice to re-play the game about “marriage”?!

It would be nice to play a parallel game, where the questions of ChatGPT-1 will be answered through ChatGPT-2?! (In this parallel case, chatGPT2 have to know about the focused expression concerning chatGPT1 produced guessing questions!)

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**Can you guess my words?**

**Chat GPT game**

**• Hypothesis:** Chat GPT is able to figure out the word that I think of. The words are tranquility and marriage. I suppose that the word marriage will be found out sooner than the word tranquility.

* **Method:** Chat GPT will ask questions and I will give yes or no answers.
* **Conclusion:**  There is a main difference between Chat GPT1 and ChatGPT2. On the one hand, ChatGPT1 produces only guessing answers, the ChatGPT2 has managed to find out the word ‘marriage’. In the second case, the program produces more concrete answers. All in all, the result of the game does not certify my hypothesis, because it took more time to figure out the word ‘marriage’ than ‘tranquility.

**Word: tranquility**

Chat GPT: Sure, I'd love to play a word game! What kind of word game do you have in mind?

4o

Have you ever heard about barkochba?

ChatGPT

Yes, I'm familiar with the game Barkochba (also known as "20 Questions" in English). In this game, one player thinks of an object, person, or place, and the other player asks yes-or-no questions to guess what it is. The goal is to figure out the answer in 20 questions or fewer. Would you like to play this game? If so, you can think of something, and I'll ask questions, or I can think of something, and you can ask questions. How does that sound?

4o

In this case, you will ask question and I will answer with yes or no.

ChatGPT

Great! Let's get started. I'll try to guess what you're thinking of.

**Attempt 1.** **:** Is it a living thing?

No

**Attempt 2. :** Is it something man-made?

No

**Attempt 3:** Is it a natural object found outdoors?

No

**Attempt 4:** Is it a natural object found indoors?

No

**Attempt 5:** Is it a celestial object?

No

**Attempt 6:** Is it an abstract concept?

Yes

**Attempt 7:** Is it related to emotions or feelings?

Yes

**Attempt 8:** Is it a positive emotion or feeling?

Yes

**Attempt: 9.** Is the word related to happiness or the concept of happiness

 Yes, it is related to happiness

**Attempt 10.** Is it the concept of serenity?

Yes, but I thought a synonym of serenity

**Attempt 11.** Is the concept of tranquility?

Yes, the concept was tranquility.

**The word: marriage**

**Attempt 1**. Great! Let's get started. Is your word related to animals?

No

**Attempt 2.** Is your word related to food?

No

**Attempt 3.** Is your word related to objects commonly found in a household?

No

**Attempt 4**. Is your word related to emotions or feelings?

Yes

**Attempt 5.** Does your word describe a positive emotion?

Yes

**Attempt 6.** Is your word "joy"?

No

**Attempt 7.** Is your word "happiness"?

No, but it related to it.

**Attempt 8.** Is it bliss?

No

**Attempt 9.** Is it delight?

No

**Attempt 10.** Is it glee?

No

**Attempt 11**. Is it contentment?

No

**ChatGPT2**

**Do you want to play a word game Barkhoba?**

**Sure, I'd love to play a word game! Barkhoba sounds intriguing, but I'm not familiar with it. Could you explain the rules?**

**You have to guess the word that I think of**

**Great! I'm ready to play. Please give me a clue or a hint to get started.**

**Okay we can start**

**Perfect! Please think of a word, and give me a clue or hint about it. I'll do my best to guess it.**

**I got the word**

**Awesome! Can you give me a hint or clue about the word you're thinking of?**

**You have to ask questions and I'll answer with yes or no.**

**Got it! Let's begin.**

**Attempt 1:** Is the word a noun?

**Yes**

**Attempt 2:** Is it a living thing?

**No**

**Attempt 3:** Is it something commonly found indoors?

**No**

**Attempt 4:** Is it something found in nature?

**No**

**Attempt 5:** Is it a man-made object?

**No**

**Attempt 6** Is it an abstract concept?

Yes, it is

**Attempt 7:** Is it related to emotions or feelings?

**Yes**

**Attempt 8:** Is it a positive emotion?

Not exactly an emotion but it is connected to it

**Attempt 9:** Is it related to love?

**Yes**

**Attempt 10**: Is the word "affection"?

**No**

**Attempt 11**: Is it something that happens between two people?

**Yes**

**Attempt 12:** Is the word "relationship"?

Yes, the official name of relationship

**Attempt 13**: Is the word "partnership"?

Yes, the official name of partnership

**Attempt 14:** Is the word "marriage"?

Yes, well done!

In this game, I had to figure out the concept of division. Although, I’m not familiar with mathematical terminology, I have managed to find out the concept.

Sure! Barkochba, or "20 Questions," is a fun guessing game. I'll think of something related to the number 2, and you can ask up to 20 yes-or-no questions to figure out what it is.

Go ahead and start with your first question!

**Attempt 1:** Is it a living thing?

No

**Attempt 2**: Is it an object that we use every day?

No

**Attempt 3:** Is it a man-made thing?

No

**Attempt 4:** Is it a concept?

Yes

**Attempt 5:** Is it an abstract concept?

Yes

**Attempt 6**: Is it related to emotions?

No

**Attempt 7:** Is it related to mathematics?

Yes

**Attempt 8:** Is it related to numbers?

Yes

**Attempt 9:** Is it numerology?

No

**Attempt 10:** Is it equation?

No

**Attempt 11**: Is it fraction?

No

**Attempt 12:** Is it decimal?

No

**Attempt 13:** Is it division?

Yes, it is the concept of division by 2. Great job!