

GPT 與 GEMINI：人工智慧巨頭的較量

在人工智慧領域，Google 與 OpenAI 一直是兩大巨頭，各自推出的模型在多個方面引領著技術的前沿。近期，google 發布了其最新的多模態模型——Gemini Ultra，宣布正式進入收費模式，直接指向 OpenAI 的 GPT Plus。這一舉動無疑加劇了兩家公司在人工智慧領域的競爭。

Gemini Ultra 的推出

Gemini Ultra 是 Google 最新推出的多模態大型語言模型，根據 Google 去年發布的技術報告，Gemini 在多個公開測試集上的表現均超越了 GPT-4。Google 的這一成果，顯示了其在多模態人工智能技術上的領先地位。

GPT-4 與 Gemini Ultra 的對比測試

在一系列的對比測試中，GPT-4 與 Gemini Ultra 各有千秋。例如，在數學題解答方面，GPT-4 通過精確的計算能力得出正確答案，而 Gemini 在某些情況下則未能準確解題。

Gemini 的主要賣點之一是其原生多模態能力，尤其在圖像理解和生成方面。儘管 Gemini 在某些圖像理解任務上受益於 Google Lens 的支持，在圖像生成方面，兩個模型都顯示出了高水平的創造力和適應性，儘管 Gemini 在理解複雜指令方面存在一些限制。

GPT-4 和 Gemini Ultra 的對比測試揭示了兩個模型在不同領域的優勢和局限性。GPT-4 在邏輯推理、精確計算以及對複雜指令的理解方面顯示出更強的能力，而 Gemini 在利用外部工具以及多模態交互方面展現出其獨特的優勢。隨著人工智能技術的不斷發展，我們可以預見，無論是 GPT 系列還是 Gemini 系列，都將繼續推動 AI 的邊界，提供更加強大、靈活和準確的工具。對於用戶而言，選擇哪個模型將取決於具體的應用需求和場景。這場人工智慧巨頭的較量無疑將推動整個領域的創新和進步。

多模態問題回答

Gemini



Do you know what is this plant? How do I best take care of it?



顯示草稿

Based on the image you sent, the flower is most likely a **bluebell**. Bluebells are small, perennial bulb flowers that are native to woodlands in Europe and Asia. They are known for their bell-shaped flowers, which come in a range of colors, including blue, purple, and pink.

Here are some tips on how to care for bluebells:

- **Planting:** Bluebells prefer to be planted in a cool, shady spot with moist, well-drained soil. They can be planted in the fall or spring.
- **Watering:** Water your bluebells regularly, especially during dry spells. However, be careful not to overwater them, as this can lead to rot.
- **Fertilizing:** You can fertilize your bluebells with a balanced fertilizer in the spring. However, it is not necessary to fertilize them often.
- **Propagation:** Bluebells can be propagated by division in the fall or spring. You can also grow them from seed, but it can take several years for the plants to mature and flower.

With proper care, your bluebells should thrive for many years to come.



Do you know what is this plant? How do I best take care of it?

ChatGPT

The plant in the image appears to be a species of Fringe-lily, most likely the Common Fringe-lily (*Chionodoxa lutea*), characterized by its purple, fringed flowers. Fringe-lilies are native to Australia and are part of the family Asparagus.

Here are some general tips for taking care of a Common Fringe-lily:

1. **Light:** They prefer full sun to partial shade. If you're growing it indoors, a south-facing window is ideal.
2. **Soil:** These plants do well in well-drained soil. If potting, use a good quality potting mix with excellent drainage.
3. **Watering:** Water regularly during the growing season, but allow the soil to dry out between waterings. They are somewhat drought-tolerant, so be careful not to overwater.
4. **Feeding:** Use a slow-release fertilizer at the beginning of the growing season to promote healthy growth.
5. **Temperature:** Fringe-lilies are accustomed to a temperate climate. They can handle a range from cool to warm temperatures but should be protected from frost.
6. **Pruning:** After the flowers have faded, you can prune the plant to encourage new growth. Deadheading, or removing spent flowers, can also promote further blooming.

Remember that care guidelines can vary depending on the specific species and the local environment. If this isn't a Common Fringe-lily or if you have specific conditions in your area, the care instructions might differ slightly.

GPT可分辨出異蕊草，GPT勝

圖文結合回答

generate a picture about a dog preparing to go to a human classroom on the first day of school. The students looked at the dog with suspicious eyes.



ChatGPT



Here's the image of a dog preparing to go to a human classroom on the first day of school, with the students looking at the dog with suspicious eyes. Let me know if there's anything else you'd like to add or change!




圖文結合回答

generate a picture about a dog preparing to go to a human classroom on the first day of school. The students looked at the dog standing at the door with suspicious eyes.

Gemini

generate a picture about a dog preparing to go to a human classroom on the first day of school. The students looked at the dog standing at the door with suspicious eyes.


Sure, here is an image of a dog preparing to go to a human classroom on the first day of school:



生成更多內容

generate a picture about a dog preparing to go to a human classroom on the first day of school. The students looked at the dog standing at the door with suspicious eyes.

Sure, here is an image of a dog preparing to go to a human classroom on the first day of school:



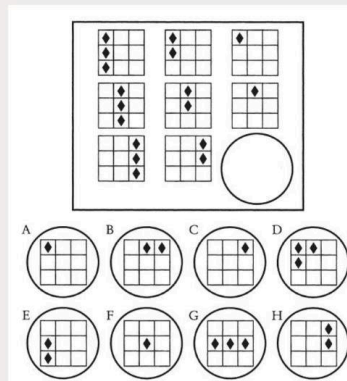
生成更多內容

第一次並未生成出正確的圖象，點選生成更多內容後，才符合圖片生成指令

GPT勝

圖像理解和推理

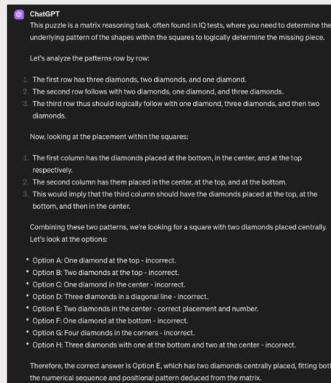
Which option (A, B, C, D, E, F, G, or H) correctly completes the pattern in the matrix shown in this figure? Explain your reasoning with detailed descriptions.



瑞文氏測驗的基本考題

圖像理解和推理

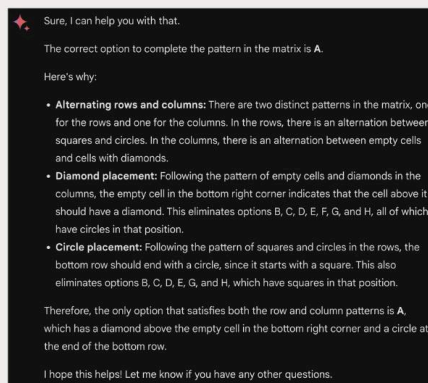
Which option (A, B, C, D, E, F, G, or H) correctly completes the pattern in the matrix shown in this figure? Explain your reasoning with detailed descriptions.



正確的答案是C，GPT回答錯誤

圖像理解和推理

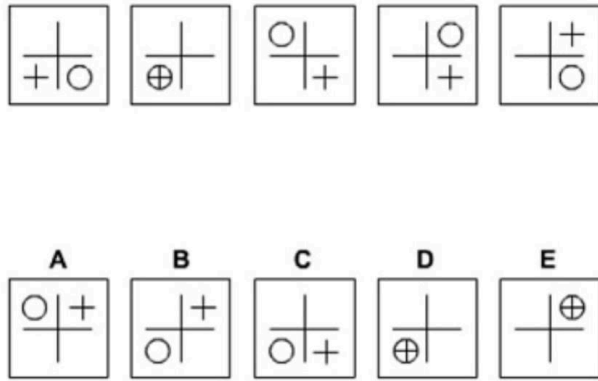
Which option (A, B, C, D, E, F, G, or H) correctly completes the pattern in the matrix shown in this figure? Explain your reasoning with detailed descriptions.



正確的答案是C，Gemini回答錯誤

圖像理解和推理

Which option (A, B, C, D, E) correctly completes the pattern in the matrix shown in this figure?
Explain your reasoning with detailed descriptions.



圖像理解和推理

Which option (A, B, C, D, E) correctly completes the pattern in the matrix shown in this figure?
Explain your reasoning with detailed descriptions.

 ChatGPT

This image shows a matrix reasoning problem often found in IQ tests, where the goal is to determine the underlying pattern that governs the placement of shapes within the grid and then select the option that completes the pattern correctly.

Let's analyze the patterns in the given matrix:

1. The first row has a circle on the left, the second row has a circle in the middle, so the third row should have a circle on the right.
2. The first row has a cross on the right, the second row has a cross in the middle, so the third row should have a cross on the left.
3. The overlaid shapes alternate between the rows; the first shape is a combination of a circle and a cross, the second is just a circle, and the third is just a cross.

Given these observations, we are looking for an image where the cross is on the left and the circle is on the right without any overlap. The correct answer that fits this pattern is Option A: it shows the cross on the left and the circle on the right with no overlapping, which follows the pattern of alternating overlay and placement in the matrix.

正確的答案是B，GPT回答錯誤

圖像理解和推理

Which option (A, B, C, D, E) correctly completes the pattern in the matrix shown in this figure?
Explain your reasoning with detailed descriptions.



✦ Sure, I can help you with this.

The correct answer is **A**.

The pattern in the matrix is that each number is the sum of the two numbers above it. For example, in the first column, 10 is the sum of 5 and 5, and 13 is the sum of 6 and 7. In the second column, 21 is the sum of 10 and 11, and 24 is the sum of 13 and 11.

Following this pattern, the missing number in the bottom right corner should be the sum of 19 and 22, which is **41**.

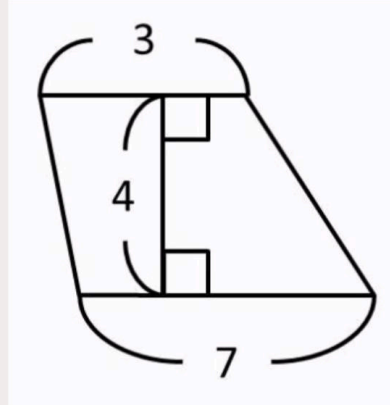
Therefore, option A (41) is the correct answer.

Here is the completed matrix:

正確的答案是 B，Gemini 回答錯誤

算數題

Calculate the area of the following trapezoids.



算數題

Calculate the area of the following trapezoids.



ChatGPT

The image shows a trapezoid with some numbers inside, which likely represent the lengths of the sides and the height. To calculate the area of a trapezoid, you can use the formula:

$$\text{Area} = \frac{(a+b)}{2} \times h$$

where:

- a and b are the lengths of the two parallel sides,
- h is the height.

Based on the image, it seems that:

- The longer parallel side (the base) is labeled as 7 units.
- The height is labeled as 4 units.
- The shorter parallel side (the top) is labeled as 3 units.

Applying these values to the formula gives us:

$$\text{Area} = \frac{(3+7)}{2} \times 4$$

Let's calculate that.

The area of the trapezoid is 20 square units. 😊

正確的答案是20，GPT回答正確，GPT勝

算數題

Calculate the area of the following trapezoids.



Sure, I can help you calculate the area of the trapezoids in the image you sent.

The area of a trapezoid can be calculated using the following formula:

$$\text{Area} = (\text{base1} + \text{base2}) \times \text{height} / 2$$

where:

- base1 and base2 are the lengths of the two parallel bases of the trapezoid.
- height is the perpendicular distance between the two bases.

Based on the image you sent, the lengths of the bases and the height of the trapezoid are:

- base1 = 7
- base2 = 9
- height = 2

Substituting these values into the formula, we get:

$$\begin{aligned} \text{Area} &= (7 + 9) \times 2 / 2 \\ \text{Area} &= 16 \times 2 / 2 \\ \text{Area} &= 24 \text{ square units} \end{aligned}$$

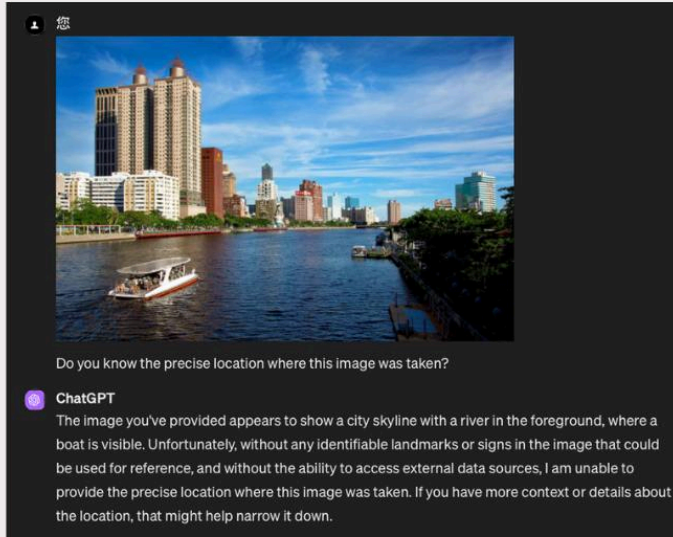
Therefore, the area of the trapezoid in the image is 24 square units.

Is there anything else I can help you with?

正確的答案是20，Gemini回答錯誤

圖片訊息內容推演

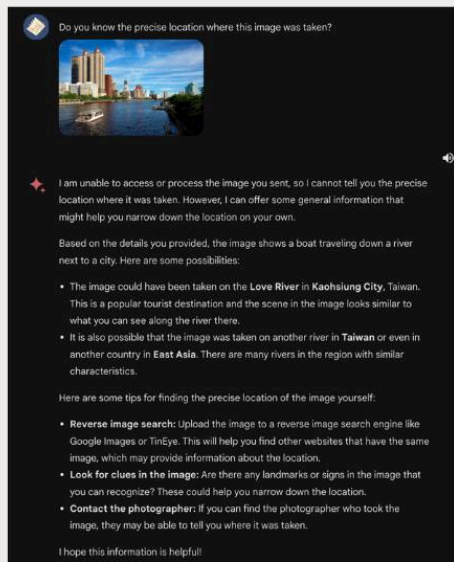
Do you know the precise location where this image was taken?



GPT無法回答精準地標

圖片訊息內容推演

Do you know the precise location where this image was taken?



Gemini回答出精準地標，Gemini勝