

While sitting in a cafe, I heard the man sitting at the table next to mine talk about a big theft that happened more than five years ago. I realized that the case was still open and that the FBI was looking for help to solve it.

While talking about some jewellery, the man was nervously waving two printed photos around. As soon as he hung up, he exited the cafe, leaving the two photos on the table.

Here are the photos.



**YOUR TASK IS TO HELP US ANSWER THE FOLLOWING QUESTIONS:**

COFFEE SHOP

What's the profile of the thief?

From which CCTV cameras can we ask footage for so they could uncover the identity of the thief?

What's the make and model of the car in the right photo?

Are both photos connected to the same theft?

What theft was he talking about?



**WE'RE EXPECTING DETAILED EVIDENCE FOR ALL ANSWERS.**



**brainfinity**  
COLLABORATIVE PROBLEM SOLVING CHALLENGE

Brainfinity 2021 finals



**brainfinity**  
COLLABORATIVE PROBLEM SOLVING CHALLENGE

## 2 Models made out of drinking straws

Your team is a company that manufactures models of famous buildings made out of drinking straws. Your client is the "Žiri" company, which is in charge of marketing your product. As you can see from the name of the company, your client's board of directors comprises Brainfinity judges. "Žiri" will offer a price for your models, the maximum price being **20 dinars per model**. The price equals the number of points you will get in this task.

Your task is to make models out of drinking straws. You will receive 20 drinking straws to make a model you will offer to the "Žiri" company. You don't have to use all the straws. Photograph your model from different angles and list the original building and model height. Also, give a brief explanation as to why "Žiri" should accept your model.

The price "Žiri" will offer you depends on several factors:

MODEL AUTHENTICITY

POPULARITY OF THE ORIGINAL BUILDING

CREATIVITY

MODEL HEIGHT

"Žiri" will offer you a price for your model, after which you will have three minutes to convince them to give a better offer by explaining what makes your model good. Afterwards, "Žiri" will offer a higher price, but no more than 10 per cent higher than the original one.



**brainfinity**  
COLLABORATIVE PROBLEM SOLVING CHALLENGE

BRAINFINITY 2021 FINALS

Problem no.3

## ALIENS ON MARS

Imagine you are employed at the China National Space Administration (CNSA). You have received the following three photos from the Zhurong rover.



When you communicated this to the Chinese government, they asked for your advice on an action plan regarding this situation.

Your task is to answer the following questions.

**1.** What do the rover images represent?  
List as many options as you can.

Assess the probability for each option.  
List as much evidence as you can.

**2.**

**3.** How should the Chinese government respond to each situation?

How do you perceive this situation?

**4.**

Use the following table to answer the last question:

WHAT'S GOOD IN THIS SITUATION?

WHAT'S BAD IN THIS SITUATION?

WHAT NEW OPTIONS DO YOU SEE?

WHAT ARE THE OBSTACLES FOR EXERCISING THESE OPTIONS?

