Chapter 6362

Charlie asked him,

"What kind of satellite monitoring are you talking about?"

Abren said, "It's satellite photography."

"The accuracy of civilian satellite photography is already very high."

"Google's satellite images can't say that they can clearly take pictures of license plates on the ground,"

"But they can definitely take pictures of words as big as the hood."

"This kind of satellite image is very practical,"

"And general military targets can be identified with the naked eye."

Then Abren said, "In fact, I was thinking on the way here that this current AI model feels like a nuclear power plant that specializes in producing computing power."

"Its computing power is extremely abundant."
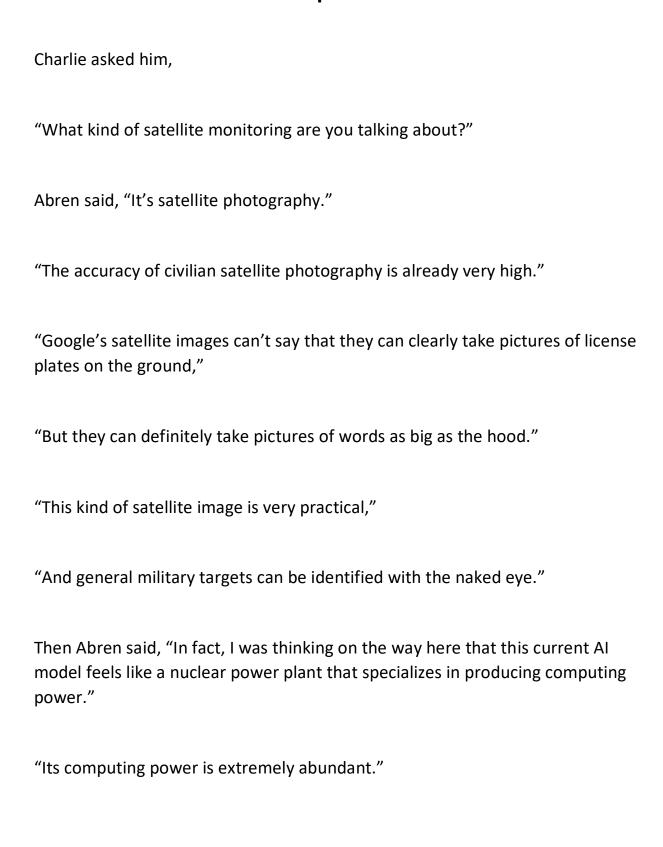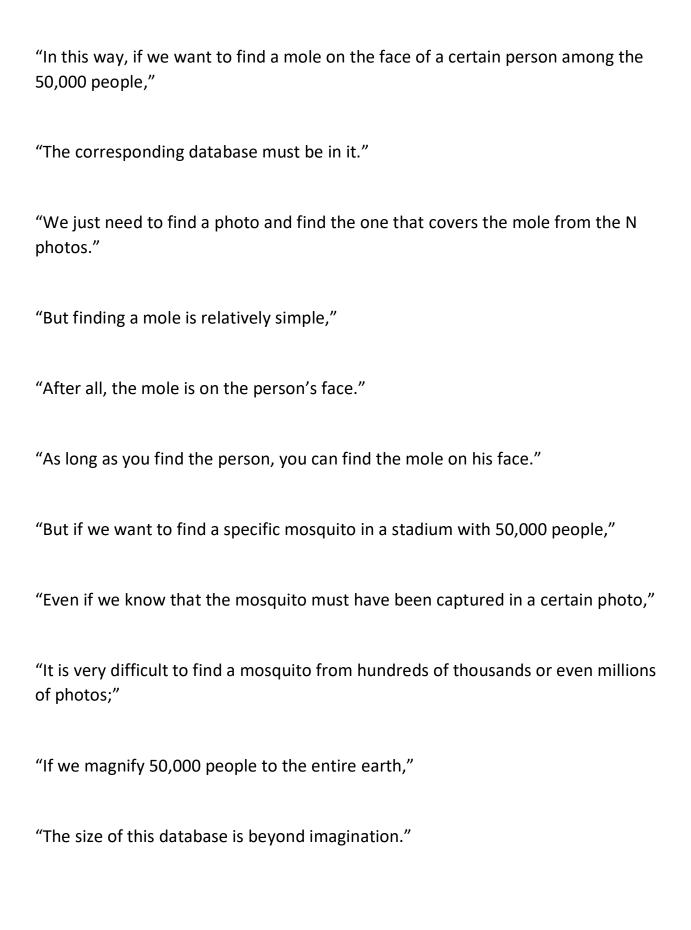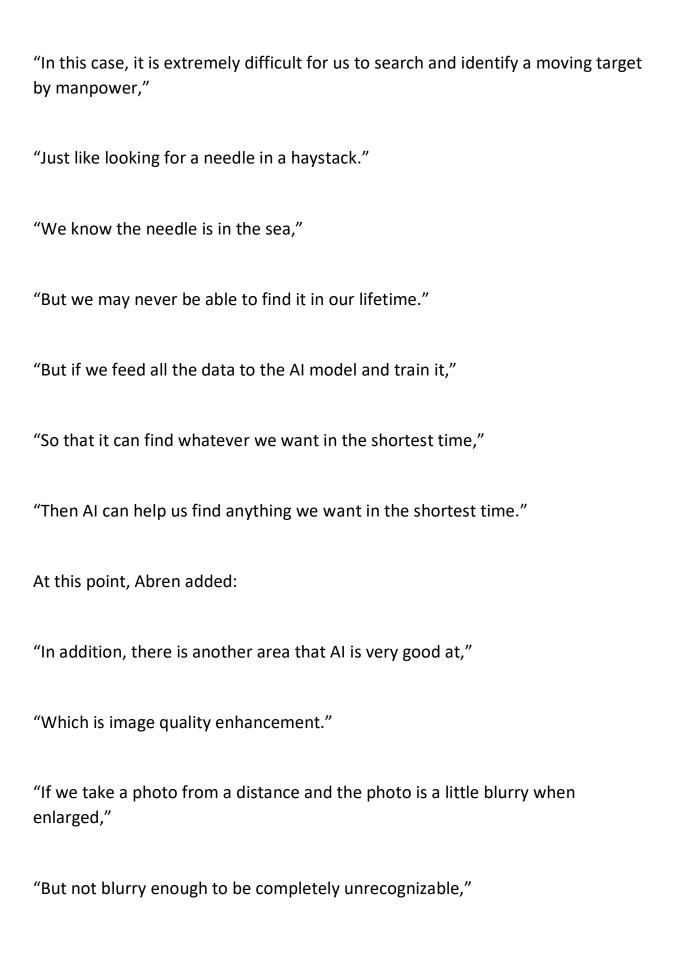
"It can not only supply a certain factory to produce a certain product,"

"But also supply an industrial city, many factories of various types,"

"And produce a variety of products."

"So I hope that we will also prepare to build our own satellite image library like Google in the future,"

"So that we can use AI to achieve image quality enhancement and intelligent retrieval,"

"Which will be of great help to the security and interests of Cataclysmic Front in the Middle East,"

"And even in the future worldwide."

"It is also my core motivation to come and see this data center and meet you again this time."

Charlie nodded and said, "If the civilian level can take a clear picture of such a large word on the hood from the satellite orbit,"

"Then the clarity is really amazing."

"Who dug an underground bunker and where, it is estimated that it can also be seen clearly."

"If the data is updated quickly enough,"

"The timeliness and practicality will be further enhanced."

"That's right."

Abren said: "But the key to the problem is that the higher the image accuracy,"

"The higher the requirements for the equipment,"

"The greater the workload of collection,"

"And the larger the image database;"

"If we compare the earth to a football field,"

"And there are 50,000 people on the football field,"

"We take a group photo of 50,000 people,"

"And each person in the photo is probably just a few pixels,"

"And it is impossible to tell who is who."

"If you use this kind of photo as a basis,"

"It is completely impossible to find someone from it."

"Even if you know that the person you want to find is there,"

"You are completely helpless in the face of such a photo;"

"If we put the camera in the center of the football field,"

"Divide the football field into ten areas,"

"Take ten photos in each area and then synthesize them,"

"The accuracy of the picture will increase tenfold,"

"But because there are too many people,"

"Even if the accuracy is increased tenfold,"

"It is estimated that we still can't tell who is who,"

"And we can only see a sea of people;"

"If we divide 50,000 people into 100 squares,"

"Take a photo for each square, and then combine the 100 photos,"

"The accuracy will be improved to a certain extent."

"With a little effort, we can probably tell whether the other person is a man or a woman,"

"But at this time, the number of pictures in the database will reach 100;"

"If we continue to improve the accuracy and want to ensure that the facial features of 50,000 people can be recognized in one photo,"

"Then we probably have to increase the material library to 1,000;"

"If we use the highest precision satellite image ratio,"

"It is roughly equivalent to us using a high-resolution telephoto lens to take N close-up photos of each of the 50,000 people to ensure that everyone's facial features and every pore can be clearly presented,"

"And everyone's facial close-up photos are included in a database."

"In this way, if we want to find a mole on the face of a certain person among the 50,000 people,"

"The corresponding database must be in it."

"We just need to find a photo and find the one that covers the mole from the N photos."

"But finding a mole is relatively simple,"

"After all, the mole is on the person's face."

"As long as you find the person, you can find the mole on his face."

"But if we want to find a specific mosquito in a stadium with 50,000 people,"

"Even if we know that the mosquito must have been captured in a certain photo,"

"It is very difficult to find a mosquito from hundreds of thousands or even millions of photos;"

"If we magnify 50,000 people to the entire earth,"

"The size of this database is beyond imagination."

"In this case, it is extremely difficult for us to search and identify a moving target by manpower,"

"Just like looking for a needle in a haystack."

"We know the needle is in the sea,"

"But we may never be able to find it in our lifetime."

"But if we feed all the data to the AI model and train it,"

"So that it can find whatever we want in the shortest time,"

"Then AI can help us find anything we want in the shortest time."

At this point, Abren added:

"In addition, there is another area that AI is very good at,"

"Which is image quality enhancement."

"If we take a photo from a distance and the photo is a little blurry when enlarged,"

"But not blurry enough to be completely unrecognizable,"

"AI will automatically optimize the blurry picture based on its own understanding of the picture and the pixels,"

"Making the blurry picture clear."

"However, when facing an extremely large database,"