I CAN MEET WITH DEAD SCIENTISTS

Another group of people originally planned to wait and see, hoping to decide whether to purchase after the first batch of user reviews came out.

In other words.

These users actually have the desire to consume, but due to various reasons, they haven't yet had any interaction with "One Praying Mantis Extermination."

Now, with the news coming out, their consumption desire has been immediately aroused.

This is also the internal reason why many domestic products can become very popular—only if your quality is good, others might follow the trend and make purchases.

Take Pechoin as an example.

At that time, after Dior's incident of insult to Chinese people, there were actually quite a few domestic brands to choose from on the market, and Pechoin hadn't done anything special like Hongxing Erke.

It was able to stand out from the crowd of domestic products, relying purely on its past reputation. The combination of reputation and the patriotic sentiment aroused by the news resulted in a surge in sales.

Often, as long as you're lucky enough, occasionally riding the waves is not difficult.

But ultimately, if you want to fly high and far.

Then you must first be a Kunpeng yourself.

Then Xu Yun handed the phone back to Gu Qunqing and asked:

"Aaron, what are the current sales of the product?"

Gu Qunqing pressed a few keys on her laptop, then turned the laptop towards Xu Yun:

"83,229."

Xu Yun stared at this number for a while and said:

"So what are today's actual sales? Can you estimate?"

Hearing this, Gu Qunqing raised a smile mixed with joy and helplessness:

"It's hard to estimate. After all, the current situation has already escaped our control, and the model has lost its general effectiveness."

"However, conservatively, the final number should be around 120,000 to 150,000 units."

"If the hot search holds up, sales might also remain stable tomorrow, then decrease by 30% daily, reaching a stable value in a few days."

"A few days later, the feedback from the first batch of users will appear, and sales will likely increase slightly again, and afterward, it will maintain a long-term standard commodity fluctuation curve."

"100,000 to 120,000 units..."

Xu Yun repeated the number, paused for a moment, and said to Gu Qunqing:

"Aaron, if that's the case... our production capacity is somewhat insufficient."

....

Note:

Two things to mention.

First, my public account 'Novice Fisherman,' you can follow it; I might post some extra material related to the Northern Song Dungeon there.

Second, the third dungeon is about to open. You can guess who the protagonist is, and if you guess right, I'll update five more times.

"There's nothing much, just came to ask, are you used to using your phone?"

Old Su nodded lightly, pointed with his chopsticks to a Micromax on the table, and said:

"I'm still getting used to it overall, but I've already mastered the nine-square grid and WeChat chatting. So, old... oops, can I go out now?"

Xu Yun pondered for a moment, took a card out of his pocket, handed it to him, and explained:

"It should be almost time. This is a library card I asked my teacher to get for you. Keep it safe first."

"In a few days, I will take you to the university library and introduce Ke Da to you along the way."

"Although nowadays a lot of information can be accessed online, from a learning perspective, the library's collection is much richer."

"Not to mention that compared to a computer screen, the tactile feel of a physical book is also better."

"When the time comes, I'll guide you a couple of times, and if there are no issues, you can go to the library on your own to hang out... oops, I mean to study."

It has been a few days since Old Su arrived in modern times, and he gradually adapted to modern life habits.

For example, he no longer needs Xu Yun's help and can independently use household appliances like washing machines and microwave ovens.

Moreover, he has managed the buttons on the induction cooker quite well, showing high adaptability.

However, since iron pots only started appearing in the Song Dynasty, and given Old Su's somewhat noble status, he hadn't been in the kitchen much.

Therefore, his cooking skills are quite limited.

These days, Xu Yun was busy with company affairs and had hardly any free time except for sleeping. Old Su mainly relied on self-heated rice and instant noodles to get by.

For this reason, Xu Yun specifically bought a box of Meilin beef cans online, which were really delicious but expensive.

And in terms of academics.

Old Su mainly remains in a stage of updating his knowledge, so he still cannot help Xu Yun in the short term.

Therefore, Xu Yun specifically found Tian Liangwei to get a West District AED pass for Old Su.

According to his arrangement:

After a few days when the time is right, he will take Old Su to the library for a couple of tours to get familiar with the process.

Once he has mastered how to use electronic borrowing devices and access the entrance system, then he can be officially left to himself.

And after some time.

Look at where Old Su's strengths lie professionally, and then you can do the final preparation in that direction.

Although from the current perspective, Old Su's strengths should still be in physics.

But on the other hand.

Xu Yun also cannot rule out other situations because the object is a living person, and Xiaoli is a very representative example.

After all, times have changed. "There's nothing much, just came to ask, are you used to using your phone?"

Old Su nodded lightly, pointed with his chopsticks to a Micromax on the table, and said:

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197629.

This number, slightly lower than a certain fisherman's monthly task update, is the final product sales figure for 'Eradicate-a-Cock' on its launch day.

It's about 10% more than Gu Qunqing expected, falling within a very normal margin of error.

After all, commercial models aren't prophets; they often can't explain everything—otherwise everyone would just model when anything comes up.

For example, on that evening around eight o'clock, a cockroach enthusiast from Guangdong Province bought two thousand products in one go, which directly boosted the product sales significantly.

Later, Xu Yun looked up the person's name on Celestial Net and verified the delivery address once more.

Finally discovered that this customer is the owner of a large food factory, evidently driven mad by those little darlings from Guangdong Province.

There are plenty of similar cases, like some companies making bulk purchases, which are special situations that the model cannot predict.

In summary.

This was a very successful product launch, the results far exceeded everyone's expectations.

Of course.

The ensuing worries were equally so.

Early the next morning.

At Ke Da headquarters, Life Medicine Building.

Dean's office.

Xu Yun, Gu Qunqing, Tian Liangwei, Zheng Zu, and the director in charge of the 'Eradicate-a-Cock' production line, Qian Guanglin, gathered here.

The reception area of the office had been set to Do Not Disturb.

In the dean's office, besides Xu Yun, the other four all held a lit cigarette in hand.

The whole room was shrouded in a fog, filled with the unique smell of tobacco, resembling an internet café from 2010.

After a while.

Gu Qunqing pressed the cigarette butt into the ashtray and said to everyone:

"Ladies and gentlemen, our product's first-day sales have exceeded two hundred thousand, today's online consumer enthusiasm remains high, with sales of at least one hundred and fifty thousand."

"Based on our assessment, within a week, our total product sales could surpass six hundred thousand, and this number was originally expected to be the total monthly sales."

"Following this trend, about another week or so, purchasing enthusiasm will drop to its lowest point."

"However, meanwhile, feedback from the first batch of users will appear just in time, boosting the lower declining trend."

"Thereby stabilizing the sales at around forty thousand units daily, approximately sixty-five percent on JD.com, thirty-five percent on Taobao."

Upon hearing these words.

The people present nodded almost simultaneously, all appeared very satisfied.

Breaking six hundred thousand in a week, subsequent daily sales across all platforms at forty thousand units.

These sales are more than triple Xu Yun's expectations and about five times that of the official Baymex flagship store.

Of course.

These are just comparisons between flagship stores, actual accounts certainly shouldn't be calculated like this.

After all, 'Eradicate-a-Cock' currently stands alone on online platforms, while Baymex has many distributors on each platform.

The pricing and sales volume among these distributors might differ, but they all get their stock from Bayer's factory.

Therefore, the total platform sales are the numbers Xu Yun ought to compare horizontally.

Overall speaking.

Baymex's monthly sales on dual platforms are roughly eight hundred thousand units, so the advantage of 'Eradicate-a-Cock' is not particularly large—at least relative to the entire industry, certainly the ceiling of cockroach eradication has not been truly touched.

Gu Qunqing paused for a moment and continued:

"It's naturally rejoice-worthy that the product can achieve such sales, but on the other hand, the issue is... everyone, our production capacity is insufficient."

"Director Qian, you're responsible for this area, please explain the specific situation."

Qian Guanglin nodded, took out a schedule from his pocket, and spread it flat on the table:

"Dear directors, currently our plant's regular capacity is daily ten thousand, under overtime condition it can produce fifteen thousand to twenty thousand units."

"For instance, during the past week's stocking period, our daily production capacity has reached eighteen thousand."

"This capacity is achieved with the machine running sixteen hours, considering the cooling period of the equipment, under special circumstances it can increase to twenty-two hours, with capacity around twenty-three thousand."

"Twenty-three thousand ah...]

Tian Liangwei repeated this number, quickly shaking his head:

"Not enough, not enough, our first week's sales will be around six hundred thousand, and the subsequent daily average sales won't be too low."

"A capacity of over twenty thousand is obviously insufficient, the maximum load is quite long to sustain for both workers and equipment, we must increase the production line."

Mentioned this early on.

Due to the ring process during production, currently limiting a single production line's capacity isn't manpower or filling output.

But rather the homogeneity system yield, or to be blunt, the ten-liter capacity.

Therefore, right now to expand capacity, apart from continuing recruitment, the key lies in purchasing production line.

Gu Qunqing evidently understood this too, he softly clicked his tongue and said with a serious expression:

"Dr. Xu and I also believe we need to expand the production line, but the problem is..... the unit price for a FOERDA-T632 production line, is one point seven million Huaxia Coin."

"In full operation, the unit capacity of a single production line daily is only seven to eight thousand, so to ensure regular production, we need to introduce at least four more production lines."

"But now, after deducting expenses for the plant, the previous production line, and production materials, the funds in our account are already insufficient..."

Xu Yun nodded as well, and took out a detailed financial expenditure report, handing it to everyone:

"Aaron is right, the funds in our account are limited, introducing one production line is fine, but more would be like Messi."

According to the initial terms of the contract.

The New Creation Fund would inject 8 million after the company's establishment, with Tian Liangwei and Academician Pan each representing the School of Life Sciences and Physics College injecting 2 million.

Xu Yun invested 1 million through the entrepreneurship support transfer agreement, totaling 13 million.

The 13 million in cash arrived in the company's account the day after the contract was signed, which was quite efficient, and it was a full payment.

Later, the contract for the factory spent a bit over 1.13 million, and three production lines cost 5.1 million.

Recently, the production materials for the products cost another over 3 million.

Moreover.

All the advertising costs on online platforms during the product launch period were also close to a million, plus some other expenditures, the company currently has about 2 million in funds left on the books.

On the other hand.

According to the platform's model, the first batch of payments from Taobao and JD will be settled in the earliest seven days—unless you sell virtual goods, which can shorten it to three days.

Considering the current sales situation, we can't wait until seven days later to start expanding production capacity, right?

In this way.

An unsolvable Möbius strip appeared before Xu Yun and others.

Just as Tian Liangwei and the others were showing masculine expressions.

Zheng Zu, who had been silent, cleared his throat and suddenly spoke up:

"Dr. Xu, regarding the funding problem... I might have a solution."

Xu Yun looked at him with surprise, Zheng Zu's statement was indeed beyond his expectations:

"What, Secretary Zheng, you have a way?"

Zheng Zu nodded slightly and explained:

"You all might not be aware, but the New Creation Fund has actually always had a flexible fund, specifically prepared for situations like this, with a total of about 20 million."

"However, the procedures for disbursing this fund are quite cumbersome, such as verifying whether you are planning to cash out before bankruptcy, so preliminary audits and guarantees are required."

"And this fund is not interest-free, its daily interest rate is about two ten-thousandths, meaning if you borrow a million, you have to pay a 200 fee every day."

"The total price of five FOERDA-T632 production lines is about 8.5 million, and calculated with a return ten days later, the interest expenditure would probably be... around 17,000."

When Xu Yun and the others heard this, their eyes immediately lit up.

Originally, Xu Yun and Gu Qunqing planned to have Tian Liangwei negotiate with the materials supplier to see if they could run up a tab.

Try to spare the funds originally meant for cost payment and buy three production lines to start with.

After all, with Tian Liangwei's connections, he has always had a pretty good personal relationship with these material suppliers, so asking for an extended ten-day credit period should be easy enough.

Moreover, he is also a company shareholder, so he knows whether the company is truly short on funds or planning to cut and run, therefore he would most likely agree to Xu Yun's proposal.

It was unexpected that before they even discussed this with Tian Liangwei, Zheng Zu spontaneously offered a big surprise?

To be honest.

An interest rate of two ten-thousandths is neither high nor low, just a standard rate.

But the key is that it can serve as emergency funding, and it can also purchase five production lines—even with Tian Liangwei stepping in to extend credit, the amount freed up would only be enough to buy three production lines.

Given the current sales of Langmie's products, ten days of interest at 17,000 isn't really high...

Thinking of this.

Xu Yun immediately made a decision in his heart.

He first exchanged glances with Gu Qunqing and Tian Liangwei to confirm each other's thoughts, then said to Zheng Zu:

"In that case, please trouble Secretary Zheng."

Zheng Zu waved his hand with a smile, keeping a low profile:

"Oh, just a small matter, New Creation is also a company shareholder and should do its part."

"Moreover, if it weren't for our product's current sales, I wouldn't be able to shift this money even if I wanted to, you have to strike while the iron is hot."

"How about this, I'll contact finance now, it's 9:30... uh, by 5 PM, I guarantee the money will be in the account!"

With Zheng Zu's guarantee, the remaining problem was simple.

Then Xu Yun and everyone else had a brief discussion about the company's direction, then decided to dismiss the meeting.

Not long after leaving the office.

Xu Yun's phone suddenly rang.

Pulling it out, he saw that it was none other than Qiu Sheng calling.

Upon seeing this, Xu Yun quickly moved to a quieter corner and pressed the call button:

"Hello, Old Qiu?"

As soon as the words fell.

Qiu Sheng's booming voice emerged, as if the air was transmitting through the signal:

"Old Xu, great news, we've discovered the conditions for amplifying a new type of microorganism!"

Xu Yun was momentarily stunned, and then delighted.

In biology, there are many amplification conditions and techniques, but clearly Qiu Sheng was referring to the culture medium's substrate.

Thinking of this.

Xu Yun quickly glanced around, and after confirming no one was nearby, he turned down the phone volume by two notches:

"Oh? What conditions?"

"A medium ground from donkey hair and bean dregs—no, to be precise, a medium ground from local donkey hair!"

Xu Yun:

"?????"

Meanwhile.

Two kilometers away.

In the kitchen of the East Garden Canteen.

After finishing his work, Brother Lv was lying in the pen, preparing to discuss issues of quantum tunneling barriers and transition energy levels with the two mates assigned by the canteen...

But just as he was about to stack barriers, Brother Lv was suddenly startled.

For some reason.

He suddenly thought of a certain daytime a long time ago.

A wicked young man called his fierce servants to pull him off another Donkey Sister, collected his non-Newtonian fluid, and then placed it on a plate for observation...

At this thought.

Brother Lv couldn't help but sigh slightly.

Born with a life of toil...

....

Note:

I forgot to mention yesterday, the next dungeon is abroad, other than that I refuse to disclose any details, otherwise why would I offer a reward for five chapters... you can continue guessing.

Mentioned a long time ago.

Due to the cyclization process during production, the current limitation to a production line's capacity is neither manpower nor filling capacity.

But the yield rate of the homogenization system, or more plainly the 10-liter capacity.

Therefore, to expand capacity at the moment, aside from continuing to recruit workers, the most crucial thing is to purchase production lines.

Gu Qunqing clearly understood this as well, and with a serious expression, he said:

"Dr. Xu and I also believe in expanding production lines, but the problem is... a single FOERDA-T632 production line costs 1.7 million Huaxia Coins."

"Under full operation, a single line's daily yield is only seven to eight thousand, so to ensure normal production, we need to introduce at least four more production lines."

"But currently, after deducting expenses for the factory, previous production lines, and production materials, the money left in our account is not enough..."

Xu Yun nodded as well, and took out a detailed financial expenditure report, handing it to everyone:

"Aaron is right, the funds in our account are limited, introducing one production line is fine, but more would be like Messi."

According to the initial terms of the contract.

The New Creation Fund would inject 8 million after the company's establishment, with Tian Liangwei and Academician Pan each representing the School of Life Sciences and Physics College injecting 2 million.

Xu Yun invested 1 million through the entrepreneurship support transfer agreement, totaling 13 million in total.

The 13 million in cash arrived in the company's account the day after the contract was signed, efficiency was still high, and it was a full payment.

Later, the contract for the factory cost over 1.13 million, and three production lines went for 5.1 million.

Recently, the production materials for the products again cost over 3 million.

In addition.

The advertising costs on all online platforms during the product's promotion period were also close to a million, plus some other expenses, leaving the company's book with only about two million in funds.

On the other hand.

According to the platform modules, the first batch of payments from Taobao and JD take at least seven days to settle—unless you're a virtual product, then it can be shortened to three days.

Considering the current sales situation, we can't wait until seven days later to start expanding production capacity, can we?

As a result.

A Mobius strip puzzle appeared before Xu Yun and the others.

And just as Tian Liangwei and the others were showing distressed expressions.

Zheng Zu, who had remained mostly silent, cleared his throat and suddenly said:

"Dr. Xu, regarding the funding problem... I might have a solution."

Xu Yun looked at him in surprise, as Zheng Zu's statement indeed took him by surprise:

"What, Secretary Zheng, you have a way?"

Zheng Zu nodded slightly and explained:

"You all may not be very aware, but New Creation Fund actually has a flexible fund specifically prepared for similar situations, totaling about 20 million."

Half an hour later.

Xu Yun hurriedly arrived at the medical building and rode the elevator to the laboratory.

Just as he entered the door.

He saw Qiu Sheng sitting in a chair with headphones on, browsing Douyin while sipping soy milk, looking utterly content.

Xu Yun quickly walked over to him, curled his index finger, and tapped the table twice:

"Hey, Old Qiu."

"Hmm?"

Qiu Sheng snapped back to reality and took off his headphones.

Then he stretched lazily and pushed a sealed cup of soy milk from beside him toward Xu Yun:

"Here, soy milk from the East Garden Canteen, still warm."

"Courtesy of Brother Lv's hard work. You wouldn't believe how in demand this stuff has become; you can't get it even a minute past eight these days."

Xu Yun took the soy milk, sipped a bit, and then said:

"Let's not talk about the soy milk for now. By the way, Old Qiu, what's the deal with the cultivation medium you mentioned before?"

Qiu Sheng chuckled upon hearing this, nodded in the direction where the cultivation medium was placed, and explained:

"These days, the stone-ground soy milk business at the canteen has been quite good, resulting in lots of soy pulp every day."

"It's said that there's over a hundred pounds of soy pulp leftover every day, and dealing with it is quite a hassle. You know about this, right?"

Xu Yun nodded lightly.

People from past lives revolving around soybeans would know.

Generally speaking, one pound of soybeans can yield about five to six pounds of soy milk.

With stone grinding, due to uneven grinding, it's about 4 pounds.

The density of soy milk is higher than water, converted out, 500 grams of soy milk is just over 400 milliliters.

400x8=3200

That means one pound of soybeans can roughly produce 3.2 liters of soy milk with stone grinding.

The East Garden Canteen usually serves soy milk in 200 ml cups, so for a thousand people, that's 200 liters, around 70 pounds.

Recently, the stone-ground soy milk at the East Garden Canteen has been booming, attracting many students from the Central District and West District to come over for breakfast, totaling around 3000 people.

Counting other soy-based foods, the weight of soy pulp produced by the canteen daily fluctuates between 130 and 160 pounds.

Handling this soy pulp is relatively troubling since soy pulp products aren't particularly marketable.

In most situations, leftover soy pulp can only be sent off to ferment for liquid fertilizer production.

Qiu Sheng paused for a moment, then continued:

"That day, I met a few diligent students handling the soy pulp at the southeast gate, and one of them happened to be a junior from my hometown."

"So, I asked her for a pound of soy pulp to take back and make some soy pulp cakes to treat myself."

Xu Yun nodded and asked:

"And what about the donkey hair?"

Qiu Sheng took a sip of soy milk and pulled a small blue bag from the side, revealing a few bits of animal hair:

"She was holding a small plastic bag, and when I asked, I found out it was donkey hair shed during the seasonal change, intended for the trash heap."

"Coincidentally, I'm currently overseeing a project studying the water-responsive shape memory and mechanisms of keratin fiber materials."

"Donkey hair is a kind of natural fiber material, somewhat rarer than wool or bird feathers, so I decided to take both the soy pulp and donkey hair back."

"Later, while making cultivation media, I remembered someone mentioning it costs nothing, so I used the soy pulp as a base."

"I brought the soy pulp and donkey hair back together, and despite being separated by bags, a strand somehow got into the soy pulp."

"I was simply creating a control group on a whim, and during the examination process, I wasn't thorough, so it got mixed in without notice."

"As time passed, I suddenly discovered that the new microorganisms around the donkey hair increased to over twenty times that of other control groups!"

"That's why I immediately called you over."

After hearing Qiu Sheng's story.

Xu Yun thoughtfully nodded.

When mentioning microbial cultivation, many often think along grandiose lines.

But in fact.

Microbial cultivation media doesn't always involve something high-end; it varies by type, some bases are quite common.

Generally speaking, microbial cultivation media fall into three types:

Firstly, synthetic media.

This type consists of known chemical substances, with the advantage of having clear chemical components, precise composition, and strong repeatability.

The disadvantage is the high cost and that microorganisms grow more slowly in such media.

Examples include Gao's No.1 synthetic medium, Cha's medium, etc.

Secondly, semi-synthetic media.

These are based on natural organic matter, supplemented with known inorganic salts, or synthetic media with added natural elements to form a medium.

For instance, potato dextrose agar used for cultivating molds is of this type.

The last and most frequently used is natural media.

It consists entirely of natural substances, like steamed potatoes and standard beef broth—the former for cultivating molds and growing P. eryngii, the latter for cultivating bacteria.

Aside from potatoes and beef broth, soy pulp like Qiu Sheng used is also a common standby.

Pleurotus eryngii mycelium, for example, is cultivated with this, and the reduction of E. coli uses this base too.

But in reality.

Many struggling biochemists prefer soy pulp because it allows them to purchase soybeans to make soy milk, saving money while being safe...

When Xu Yun was studying for his Ph.D., he met a biologist in the neighboring laboratory, where Xu Yun did laborious physical experiments. This biologist would often come over with a big bucket of soy milk.

Back then, he and Xu Yun, both single, would chat about everything over soy milk and boiled edamame. Thinking back, it was quite entertaining.

Later, that guy's kid was admitted to Ke Da this year, and Xu Yun is still single...

What a sad story.

Other than the bean dregs, the donkey hair that Qiu Sheng mentioned being accidentally added is also quite normal.

Ordinary petri dishes are probably the place in the lab where the strangest things appear.

You can find things like nail clippings, hair, and some curly unknown fibers.

Xu Yun even heard of someone who added a phone case into the mix unknowingly during a dinner gathering after graduation.

He paused for a moment, looked at Qiu Sheng, and asked:

"Old Qiu, where’s the test report? Let me have a look."

Qiu Sheng was evidently prepared for this question. He took a few sheets of paper from beside him and handed them to Xu Yun:

"I printed them, here you go."

Xu Yun took them and began to read them intently.

A few seconds later.

His eyebrows raised immediately, his gaze fixated on one particular column:

"Wow, 30,000u per milliliter?"

As is commonly known.

In the field of pharmaceuticals and microorganisms, the smallest unit of efficacy is called a "unit."

Internationally it’s called IU, while in Huaxia it’s called U.

There’s no conversion between IU and U, only conversions between IU and weight or U and weight.

This means U/L is a unit unique to Huaxia.

Generally speaking.

In the domestic market, vitamins are usually expressed in IUs, while antibiotics are in Us.

For example, penicillin is usually specified as 20,000u per milliliter, while erythromycin is 70,000.

The highest new species unit Xu Yun and others found in algae previously was 8,000U, but this was a high-density population achieved through special enrichment techniques, and not very universal.

Under normal circumstances.

The unit density of such new microbial species is around 1,500U.

Now achieving 30,000U in the bean dregs + donkey hair medium is indeed a massive increase.

Xu Yun then placed the report aside and asked Qiu Sheng:

"So Old Qiu, what’s the reason for the surge in the new species?"

"It makes sense that the bean dregs base could boost the population, as it might have some unique physicochemical properties, which is not hard to accept."

"But what’s the deal with the donkey hair, and why does it have to be specifically domestic donkey hair?"

Qiu Sheng lifted his eyelids to glance at him, smiling as he asked:

"Old Xu, do you remember the study led by the national gene bank on donkey gene expression?"

Xu Yun was slightly taken aback, then quickly responded:

"You mean those reports 10.13881/j.cnki.hljxmsy.2021.02.0100 and 10.28502/n.cnki.nkjrb.2014.007254?"

Qiu Sheng nodded:

"Exactly."

In 2014, led by the Huaxia Gene Bank, Academician Yang Huaming organized a donkey gene sequencing project.

This was also the world’s first large-scale donkey genome project.

During the subsequent assessments, the team found quite a few peculiar phenomena.

For example, donkeys produce a small amount of calcium mercaptoacetate in their bodies.

That’s right.

Calcium mercaptoacetate.

This stuff sounds awkward to pronounce, and it’s actually used for hair removal in reality, can you believe that...

In addition,

They also discovered that domestic donkeys exhibited a phenotype known as Light Point, or LP for short.

Under this phenotype.

The MC1R gene mutation affects not only hair but also amplifies the CDS sequence of the PepT1 gene.

This directly results in a very peculiar ratio for the Young’s modulus of donkey hair.

For example, when the relative humidity increases from 0 to 100%, the axial swelling of donkey hair is only 1%.

However, the ratio of the Young’s modulus to the shear modulus decreases from 217:1 to 15:1.

Additionally,

A pentose phosphate pathway product with 225 differential metabolites was detected on the hair of domestic donkeys, and this research result was even published in a sub-journal of Nature.

Unfortunately, the number of domestic donkeys is just too low, so over the years, no authoritative institutions at home or abroad have conducted further investigations.

Thinking of this.

Xu Yun couldn’t help but look at Qiu Sheng, asking:

"Old Qiu, are you saying that the pentose phosphate product forms a special nurturing environment with the bean dregs, thereby facilitating the expansion of the new species of microorganisms?"

Qiu Sheng nodded, affirming:

"That’s right, though this is just a surface-level feedback, and the specific internal mechanisms need further study."

"Therefore, I think we have three tasks to prioritize right now."

Xu Yun glanced at him and asked:

"What three tasks?"

Qiu Sheng quickly counted on his fingers, glancing at the box of culture media beside him, and said:

"First of all... is the analysis of the new species expansion."

"The current density of 30,000U has already reached the limit of natural growth, offering little room for further growth. But this figure is still a certain distance from our ideal target."

"So we need to quickly decipher the components of the pentose phosphate product and master its amplification technology."

"Then proceed with further amplification, deactivation, before finally considering the issue of production for toothpaste."

At this point.

Qiu Sheng couldn’t help but look around the laboratory, taking a deep breath, and said to Xu Yun:

"And to achieve this, it’s clear our current lab doesn’t have the capability. We’ll need to apply to the school for a small molecule probe."

Small molecule probes are a relatively new technology in recent years.

They started to rise around 2010, and now more than ten years have passed, with significant technological differences in the field.

For example, an ordinary small molecule probe can be done at a regular hospital, costs 200 yuan, and can even be covered by a medical card, but has limited precision.

The most sophisticated ones, capable of forming DNA microarrays, are insanely expensive, with full costs not less than tens of millions.

The small molecule probes Qiu Sheng referred to are roughly at the KIT-level of equipment, with a single-use cost of about twenty to thirty thousand.

This equipment must be approved by Tian Liangwei before it can be used, and it's clearly not present in this laboratory.

In a certain sense.

It's considered Ke Da's treasure, it seems fair to say.

Faced with Qiu Sheng's request, Xu Yun immediately nodded and continued:

"I've noted this down, I'll contact the teacher, what's the second matter?"

Qiu Sheng's expression relaxed instantly, he sat back in his seat and said to him:

"The second matter is... about that donkey."

"Nowadays native donkeys are quite hard to find, even in villages and towns, most are hybrids, after all, the country had introduced hundreds of thousands of Pakistani donkeys back then."

"Therefore, that donkey's fur can be considered extremely precious, in the short term, it could even be classified as 'rare specimen'. "

"So we need to come up with a plan for it to periodically produce some fur."

"Bean dregs are relatively easier to handle, they're basically scrap material, just tell them and we'll have it."

Xu Yun nodded in agreement as well.

Brother Lv's appearance brought considerable profit to the East Garden Restaurant, and since bean dregs were meant to be used as fertilizer waste, they hardly have any value.

Thus, this matter doesn't even need to bother Tian Liangwei, Xu Yun can take care of collecting the bean dregs himself.

In this way.

From production to waste recycling, the entire process is completed from beginning to end.

No waste at all, almost perfect.

Only Brother Lv's broken world completed.JPG.

Then Xu Yun paused and asked:

"And the last thing?"

"The last thing... "

Qiu Sheng scratched his head and stretched lazily in his seat, said:

"This isn't really difficult, it's just that this new microorganism's name is somewhat tricky, want to name it?"

"Name it?"

Xu Yun was slightly stunned and fell into thought.

Indeed.

This is a highly valuable microorganism, constantly referring to it as 'new species' doesn't quite fit, giving it a name would be much more convenient.

But what name should it be...?

In the midst of his thoughts.

Xu Yun suddenly glanced at an optical Microscope in the distance.

A moment later.

His mind flashed with a short figure of a little girl waving her hands enthusiastically towards him.

According to the simulation results.

She later discovered numerous microorganisms and as expected became a great biologist...

Wondering if the microorganism he discovered had some connection with her?

Meanwhile, this microorganism is constantly cleaning the world, even in the dirtiest sewage, it emerges unstained...

Thinking of this.

Xu Yun couldn't help but take a deep breath and said to Qiu Sheng:

"As for the name..."

"Let's call it Yi'an Bacteria."

.....

"Currently, the density of 30,000 U has reached the natural growth limit, and there's not much room for growth, yet this number is still different from our ideal value we've aimed for."

"Therefore, we need to quickly analyze the components of the phosphopentose product and master its expansion technology."

"Then further amplify and deactivate it before we can consider producing toothpaste."

Speaking of this.

Qiu Sheng couldn't help but look around the lab, take a deep breath, and said to Xu Yun:

"And to accomplish this step, it's apparent that our laboratory doesn't have the capability, we must apply to the school for a small molecule probe."

"Yi'an Bacteria?"

In the laboratory.

Upon hearing the name suggested by Xu Yun,

Qiu Sheng was momentarily taken aback, and a name slipped out:

"Layman Yi'an, Li Qingzhao?"

Xu Yun nodded slightly and turned sideways, exhaling with a complicated expression.

Even though he had lived two lifetimes and was relatively calm, seeing life and death with more detachment than ordinary people,

the Northern Song Dungeon still remained an indelible memory in his heart.

In the dungeon, he changed Xiaoli's fate, turning her from a female poet into a scientist with expertise in both literature and science, discovering various microorganisms.

As for Xu Yun, he received a reward of a new species at the dungeon's settlement.

Is there really no connection between the two?

The true answer may be unknown, but Xu Yun personally believes that there is a connection.

Naming this new species after Xiaoli, both in meaning and sentiment, is a very fitting choice.

However, Qiu Sheng couldn't understand Xu Yun's thoughts; he just genuinely thought the name sounded okay and said:

"Old Xu, the name isn't bad, and since it's your discovery, you can call it whatever you like, I have no objection."

Xu Yun nodded towards him, pondered for a moment, and then asked:

"By the way, Old Qiu, do you have any ideas about the molting solution for that donkey?"

Qiu Sheng frowned and thought for a while, then slowly shook his head and said:

"I've heard in a novel that Bat Lady's blood can help Gou Mei grow hair, but in reality, we can't find a humanoid creature that's been poor for ten thousand years, so that's obviously impossible."

"The remaining methods are nothing but black sesame or minoxidil—my suggestion is to use both simultaneously. After all, this donkey seems quite resilient, so it probably won't be an issue."

Although the spread of minoxidil might not be very wide, it is actually one of the mainstream medications internationally recognized for treating hair loss, with a very high rate of use.

However, the effects of this stuff are somewhat limited; it can only be said to be slightly better than a placebo, a "tall one among short ones."

Black sesame is something more familiar, often mentioned alongside Polygonum multiflorum as a traditional dietary supplement for promoting hair growth.

Saying it's nonsense or an IQ tax is definitely not the case, but its effects are relatively limited.

Considering that there are currently no particularly effective methods, these two things become the only choice.

Of course.

Hair growth is a temporary solution; what's more important is breeding—continuously relying on Brother Lv isn't quite right.

However, these days it is quite difficult to find a purebred native LP phenotype female donkey because there are so many hybrid donkeys in our country.

Those who have been donkeys in a past life probably know this.

The lifespan of a donkey is generally 20 years, roughly equivalent to over a hundred human years.

This means the native donkeys from 2000 years ago, male or female, are almost all dead now.

The large-scale introduction of Pakistani donkeys happened just around 2001 and 2002, exactly 20 years ago.

At that time, the smallest unit to implement this policy was the township-level livestock station, with grassroots cadres promoting it in rural areas, and the breeding coverage rate was very high.

Therefore, it is currently quite difficult to find a purebred native female donkey, and hybrid breeding cannot activate the LP phenotype, let alone obtain the phosphopentose metabolic product that exists in the hair.

Of course.

The domestic species gene banks surely hold the genes of native donkeys, since the Rabbits are old hoarders.

But the key is Brother Lv's gender is ♂, not ♀, so even with the gene, there's no way to reproduce…

By the way.

The largest species gene bank in the country is located in Qian Province, while the headquarters of the World Species Gene Bank is established in two places:

The crop seed bank is in Longyearbyen, the closest city to the Arctic.

The seed bank is buried 130 meters underground, with its entrance as a bare wedge-shaped building standing atop a rocky slope.

A seven-day trip to Longyearbyen from within the country costs about ten thousand Huaxia Coin. If economically feasible and one wishes to see polar bears, Longyearbyen is a good choice.

The animal gene bank, on the other hand, is in Ushuaia, the closest city to the Antarctic, with its entrance being top-secret.

Both of these gene banks were constructed by the Global Crop Diversity Trust to provide a backup in case Earth encounters some extreme conditions.

As a result, these two gene banks receive a variety of peculiar items every year, seeds naturally from various plants, while the animal bank… well…

Back to the original topic.

In short.

Until a suitable breeding female donkey is found, Brother Lv might be akin to a sheep being shorn from time to time.

Then Xu Yun thought of something and asked Qiu Sheng:

"By the way, Old Qiu, have you read that digital media document?"

Qiu Sheng's expression was quite normal initially, but upon hearing this, his face turned bitter and he pointed at himself with his forefinger:

"Brother, do you think I'm Superman?"

"On one hand, still working on the new species… Yi'an Bacteria research, and on the other, have to review the feasibility summary of DNA storage technology, do you really think I'm the donkey in the canteen?"

"...."

Facing Qiu Sheng's complaints, Xu Yun chuckled, scratched his head tactically, trying to appear less awkward.

As Qiu Sheng said.

Over the past few days, he has been busy dealing with the release issues of an extermination, spending most of his time either at the company or with Tian Liangwei.

Thus, his time spent in the laboratory has been minimal, and Qiu Sheng has indeed undertaken a large portion of the research tasks.

However, the matter of digital media was just a casual question from him; it was merely the DNA storage technology received as a reward.

Unlike imidacloprid and Yi'an Bacteria.

At present, Xu Yun hasn't figured out its specific commercial use, and it's not a technology that can be broken through in just a day or two.

Therefore, he wasn't planning to devote too much energy to it. Unless there's a sudden breakthrough, the current key focus remains on Yi'an Bacteria.

Right.

Reward?

As these two words flashed in his mind, Xu Yun suddenly thought of something:

Of the eight rewards provided by Halo initially, apart from the mysteriously vanished national operation, six have fully unveiled their mysteries — at least to the extent of knowing how to start.

But there's only one reward, which Xu Yun hasn't had time to research.

That is...

That soft paper recording a large number of mathematical formulas.

He then mentally reviewed his schedule.

He found that he still had a large block of free time today, perfect for studying the formulas.

Thinking of this.

He couldn't help but look at Qiu Sheng and said:

"Old Qiu, I've got some things to do right now, can you handle the lab here..."

Hearing this, Qiu Sheng glanced at him and sighed, resigning to his fate:

"I'll take care of the lab, alright? Sun Thief, hurry up and scram!"

Xu Yun didn't stand on ceremony with him, joined his index and middle fingers, placed them at his temple, and swiped forward:

"Then Daddy's leaving, okay!"

Qiu Sheng didn't say anything but instead raised a middle finger at him.

After leaving the lab.

Xu Yun walked quietly alone on the path to the library.

An earlier remark from Qiu Sheng in the lab suddenly made him realize another problem:

The company's research and development manpower was somewhat insufficient.

Currently, the core personnel at the company's research and development end are only two people, himself and Qiu Sheng.

There's no need to mention Qiu Sheng's capabilities; he's the future leader of the biochemical institute at Ke Da, at least capable of managing one project very well for now.

As for Xu Yun.....

Previously, he focused on the business side mainly because the company was in its startup stages, and "One Roach Elimination" was the key product determining the company's foundation, requiring his constant attention.

Now as the company moves onto the right track, he will certainly shift his focus to R&D—otherwise, he wouldn't have hired Gu Qunqing, an experienced returnee, to be COO.

But other than that.

There aren't many usable people in the company.

The remaining research personnel are either students like Zhou Peiyao and Ren Yongcun who are just there to complete projects, or graduate students recommended by Tian Liangwei.

These people do have abilities, and their future can be promising.

But for now, they're far from being able to head individual projects.

Currently Xu Yun has just experienced two dungeons and already has imidacloprid and Yi'an Bacteria as two commercial products awaiting breakthroughs, not to mention the DNA storage technology still needing research.

What about the third and fourth dungeon?

It's important to note.

These projects are not straightforward paths.

Rather, they consist of a substantial number of derivative fields 'technology tree'.

Even the simplest among them, imidacloprid, has very broad derivative prospects.

For example, while cockroach sodium ion channels are different from mice's, they are very similar to mosquitoes'.

If a mosquito-effective product could be developed, the market potential might not be smaller than cockroach extermination.

Moreover, as an enterprise aiming to grow into a towering tree, the R&D department must have a boss at the helm.

Certainly.

Huadun Biotech is backed by Ke Da, capable of merging production, education, and research.

But integrating production, education, and research doesn't mean Xu Yun can directly poach people from Ke Da.

Surely, having some research tasks handled by Ke Da occasionally is fine, but expecting a professor or even an academician to work directly for you?

That's definitely impossible, even for someone as closely related to Xu Yun as Tian Liangwei.

Hence both emotionally and rationally.

Xu Yun needs to quickly find one or even several experts who can act as pillars.

But saying it is easier than doing it, which is equally challenging.

The kind of expertise Xu Yun needs are not just any Ph.D.s or professors, but super experts with academician-level abilities.

There are many academicians in Huaxia and few at the same time, especially in the biology field.

In such circumstances, how can you easily find a mutually agreeable big shot?

Thinking of this.

Xu Yun couldn't help but sigh faintly.

So let's still rely on Qiu Sheng for now....

Fifteen minutes later.

Xu Yun arrived at the library.

After swiping his card and going through the gate, he first fetched a cup of water and found a quiet corner to settle down.

Then he took out the paper with equations recorded on it from his pocket.

After so many days.

The contents of the equations remained unchanged:

4D/B2=4(√(D1D2))2/[2D0]2=√(D1D2)/[D0]=(1-η2)≤1....

{qjik}K(Z/t)=∑(jik=S)∏(jik=q)(Xi)(ωj)(rk); (j=0, 1, 2, 3…; i=0, 1, 2, 3…; k=0, 1, 2, 3…)

{qjik}K(Z/t)=[xaK(Z±S±N±p), xbK(Z±S±N±p), …, xpK(Z±S±N±p), …}∈{DH}K(Z±S±N±p)....

(1-ηf2)(Z±3)=[{K(Z±3)√D}/{R}]K(Z±M±N±3)=∑(ji=3)(ηa+ηb+ηc)K(Z±N±3);

(1-η2)(Z±(N=5)±3): (K(Z±3)√120)K/[(1/3)K(8+5+3)]K(Z±1)≤1(Z±(N=5)±3);

W(x)=(1-η[xy]2)K(Z±S±N±p)/t{0,2}K(Z±S±N±p)/t{W(x0)}K(Z±S±N±p)/t.....

Le(sx)(Z/t)=[∑(1/C(±S±p)-1{∏xi-1}]-1=∏(1-X(p) p-s)-1.

This is a composite system of equations made up of regularized combinatorial coefficients and analytic continuation, very troublesome to solve.

The only judgment Xu Yun made at the time was that the solution to the last equation must be a ratio.

But today, with enough time, he discovered something more.

He drew two lines by the third and fifth lines of the equation, followed by a question mark.

His expression was thoughtful:

"Seems like..."

"Could the composite system of equations on this piece of paper be calculated in three parts?"

It's well known.

Regularization theory was first proposed to solve ill-posed problems.

For a long time, it was believed that mathematical problems derived from practical problems were always well-posed.

As early as the early 20th century.

Hadamard observed a phenomenon:

In some very general circumstances, solving linear equations can be ill-posed.

Even if the equation has a unique solution, a small disturbance on the right side of the equation can cause a large change in the solution.

In this situation.

Minimizing a norm function of the difference between both sides of an equation doesn't yield an approximate solution to the equation.

By the 1960s.

Tikhonov, Ivanov, and Phillips discovered the addition of regularization terms to minimize error norms.

That is, the regularized norm, not just minimizing the error norm, can obtain a sequence of solutions to an ill-posed problem that tends towards the correct solution.

In other words.

The first part of the equations is actually a sequence set describing the gradient change region.

It might even be...

Images?

With this thought.

Xu Yun suddenly became interested.

Judging from 4D/B2, this should be a problem involving rotational surfaces.

The second line's ∑(jik=S)∏(jik=q)(Xi)(ωj) determines the surface at a fixed angle to the meridian.

Since it's a fixed angle, one can assume the fixed model λ=(A , B ,π), and the observation sequence O =(o1 , o2 ,..., oT).

Then there is α1(i)=πibi(o1), i=1,2,...,N

αt+1(i)=[j=1∑Nαt(i)aji]bi(ot+1), i=1,2,...,N

Fifteen minutes later.

Looking at the results before him, Xu Yun was contemplative:

"Maximized model parameters..."

Then he pondered for a moment and continued writing an equation on paper:

$$Q(\lambda,\lambda)=I\sum\log\pi i1P(O,I|\lambda)+I\sum(t=1\sum T-1logaitit+1)P(O,I|\lambda)+I\sum(t=1\sum Tlogbit(ot))P(O,I|\lambda).$$

This is a very simple projection curve, and the arc length at any point of a conic logarithmic spiral is inversely proportional to the distance from that point to the axis.

Thus it can be simplified into another expression.

$$\delta t(i)=i1i2,...,it-1maxP(it=i,t-1,...,i1,ot,...,o1|\lambda),\ i=1,2,...,N$$

While solving, Xu Yun's expression became increasingly grave.

Two hours later.

Xu Yun looked at the drawings in front of him, his brows tightly knit:

"Goodness, the reduced terms of the first set of equations turned out to be a state of observation equation?"

A state of observation equation is quite an odd thing, its mathematical interpretation is rather complex, but its physical interpretation is quite simple:

It represents a time sequence non-probability model, referring to a non-random process passing through state space from one state to another state.

Seeing this.

Might some students feel very familiar?

That's right.

This is a model definition that is entirely contrary to the Markov chain, describing a definite possibility within a very small interval.

And such models will generally only appear in.....

Extremely, extremely small microscopic fields.

With this thought.

Xu Yun suddenly had a flash of inspiration.

"Micro-scale, decay integral?"

He swiftly picked up a pen and quickly wrote a line on another piece of paper:

$$y(xn+1)-y(xn)/h\approx f(xn,y(xn))$$

$$y(xn+1)=y(xn)+hf(xn,y(xn))$$

After finishing writing.

Xu Yun took out his notebook and opened a customized physics software.

This is a quantitative computational program that graduate students at Ke Da can apply for, based on Gauss's quantitative calculations as the core foundation, capable of calculating models with limited precision, named Aurora.

Aurora includes the trajectories of all discovered particles so far, connected to a secondary server over at Keda Tongfu.

Subsequently, Xu Yun used Mathpix to recognize and input the formulas he wrote, pressing the Enter key.

Twelve seconds later.

A number appeared before Xu Yun:

0.

This 0 isn't the unreliable 0, it signifies that the system didn't find a result matching this eigenvalue.

"Strange..."

Looking at the 0 before him, Xu Yun was spinning his pen as he puzzledly talked to himself:

"No result matching the eigenvalue... the equation set wasn't input wrong, could it be that my idea is flawed?"

According to his thought process.

The first part of the set of equations produced an observation state equation after simplification, he then tentatively performed an integral simplification.

Finally, he derived a period from a finite difference approximation derivative that seemed to correspond to the magnitude of the decay in the microscale field of particles.

In other words....

It seems to match a certain particle's trajectory.

Yet the result from Aurora is a 0?

Or maybe...

Is this a new particle not previously discovered?

It's commonly understood.

Currently in the particle physics standard model, we temporarily believe there are 61 fundamental particles divided into four parts:

Quarks.

Leptons.

Gauge bosons.

And Higgs particles.

Of course.

There's also an unconfirmed particle, the "graviton."

It is a hypothetical particle used to mediate gravitational interactions, thus won't be elaborated here.

Among them, the matter is constituted by fermions, including quarks and leptons.

Quarks form baryons and mesons through strong interactions, baryons like protons and neutrons form the atomic nucleus, and the atomic nucleus is fermions too.

Simultaneously, the atomic nucleus and electrons can form atoms, thereby creating the world we see.

The mediators of interactions are gauge bosons, used to transmit interaction forces between fermions.

For example, photons are the most familiar type of gauge boson to us.

The particle that gives mass to fundamental particles is the Higgs particle—this is quite complex to elaborate on. Although the mass of fundamental particles comes from the Higgs particle, the primary source of visible mass in the universe is actually the strong interaction, which is a concept at the

doctoral level. In summary, it's enough to just have a conceptual understanding of it.

On the other hand,

these fundamental particles can form a vast number of composite particles, and the number of composite particles depends on what scale you are discussing.

If it is at the atomic level, just the various elements and their isotopes alone number in the thousands.

If you specifically refer to subatomic particles, then you're usually considering mesons and baryons, along with some special particles.

For instance, photons have 225 types of structures, electromagnetic elements have 2,700 types of structures, and so on.

This is akin to how we've classified birds into a species, but birds can also be further divided into sparrows, doves, eagles, and a bunch of other categories.

Humans are similar; they can be classified as non-European Emperor, or divided into male, female, and Hideyoshi.

Thinking about this.

Xu Yun pondered for a moment, then clicked a few times on the browser's bookmark page.

He opened a website named Ming Sect's pdgLive.

This is a website that professionally collects subatomic particle information, where you can find a large amount of information about subatomic particles.

This includes those confirmed by experiments and with measured properties, those proven to exist by experiments, those theoretically existing, as well as new theoretical predictions.

Then Xu Yun switched back to Aurora software, changing y(xn+1) to y(xn+2), and ran it again.

Soon,

the software simulated a binding energy number:

1.26342MeV.

"1.26342MeV..."

Xu Yun noted down this number and began comparing the mass peaks against the invariant mass spectrum on the website.

Currently, although scanning tunneling microscopes can 'see' atoms, it's actually a metaphorical phrase.

In scientific research, the true verification of new particles still relies on colliders and some other equipment.

The specific method, to be honest, is simple: it's all about one word:

Boom.

You smash particles with a collider, then measure and analyze the data like scattering cross-sections to create charts and graphs.

For example, a collision process produces a muon; muons will decay into other particles, and thus the mass peak of muons can be found on the invariant mass spectrum.

The costs for a single detection event are genuinely astronomical, so Aurora's simulation numbers obviously cannot compare in precision.

Thus, 1.26342MeV is not an exact value and requires another round of screening.

"1.379867MeV.... too high....."

"1.129973MeV.... this is too low....."

"1.14514MeV, still not enough...."

Xu Yun continued to compare them row by row in this way.

His eyes began to feel strained, but he didn't dare slack off at all.

A few minutes later,

his eyes suddenly focused, locking tightly onto one of the entries:

"Huh? 1.26812MeV?"

This was the closest binding energy level he had found so far to the Aurora's displayed figure, with only a two-decimal-point difference.

Seeing this,

he immediately moved the mouse and clicked on the information.

A moment later,

Xu Yun's pupils constricted heavily, almost exclaiming out loud in the library.

At this very moment,

a line of information was clearly written on the screen in front of him:

Particle name:

Lambda Hyperon (4685)

Discovery date:

November 18, 2022.

Discovery unit:

Huaxia University of Science and Technology, Zhao Zhengguo.

.....

Note:

Today happens to be a holiday, called World Best Buddies Day.....

Is there really no connection between the two?

The true answer might be unknown to anyone, but Xu Yun personally believes it is negative.

Using Xiaoli's name to name this new type, whether in terms of meaning or sentiment, is a very suitable choice.

However, Qiu Sheng was unable to understand the thoughts in Xu Yun's mind; he simply felt that the name seemed okay and said:

"Old Xu, this name isn't bad, and since it's a new type you discovered, you can call it whatever you like, I have no objections."

Xu Yun nodded to him, pondered for a moment, and then asked:

"By the way, Old Qiu, what do you think about that donkey's hair growth solution?"

Qiu Sheng frowned in thought for a while, then slowly shook his head and said:

"I heard in novels that Bat Lady's blood can make Gou Mei grow hair, but in reality, we can't find an inhuman lady who has been poor for ten thousand years, so this is obviously impossible."

"The remaining methods are nothing more than black sesame or minoxidil—my suggestion is to use both simultaneously. After all, the donkey seems quite tolerant to that kind of stuff, and it probably won't be an issue."

Minoxidil might not be very commonly known, but it is actually one of the mainstream internationally recognized drugs for treating hair loss, with a very high usage rate.

However, its effectiveness is somewhat limited, barely better than a placebo; it's like picking the tallest among the short.

Black sesame is probably more familiar to everyone, known alongside Polygonum multiflorum as one of the two traditional dietary supplements for hair growth.

Calling it nonsense or an IQ tax is definitely not the case, but its efficacy is also relatively limited.

However, considering there are no particularly effective methods at present, these two things have become the only choices.

Of course.

Hair growth is only a short-term measure; what's more important is to breed—it's not good to keep relying on Brother Lv too much.

However, these days it's rather difficult to find a purebred domestic LP phenotype female donkey because there are simply too many hybrid donkeys in the country.

Classmates who were donkeys in their past lives should know.

A donkey's lifespan is generally 20 years, which is about over a hundred years in human terms.

That means donkeys from 2000 years ago, whether male or female, have more or less died out.