Tech System 51

Patrick and his team of IT nerds could be seen sitting in a resort's swimming pool that was rented exclusively for them.

Impossible!! Is what you want to say but it happens, not all nerds hate public spaces.

But Patrick's team nerds were among those that the public. That's why it was fully rented just for them.

"Do any of you have any idea what steps we should follow once we return?" Patrick asked the team members.

"I think we should ask the person on the side of DOD to see where they are compared to us" Said one of them.

"I can ask them but I don't know what their rank is in the DOD and if they even have access to that information," Patrick replied to the recommendation.

Then he turned to the hotel worker who was responsible for helping all of their needs and said "Bring me my phone from that bag" while pointing to the bag with the said phone.

The worker did as she was asked and went to look for the phone in the bag she was shown.

After looking through the bag and finding a phone, she handed the phone to Patrick, who took the phone and powered it for the first time since he left the base.

They were required to power their phones off when leaving the base which had signal jammers to avoid triangulating the bases location.

And are only allowed to power them on and use them only when they are far enough from the base making it impossible to determine the bases location.

He had forgotten to power it on until now when he needed to use it.

Patrick pressed the power up button.

As soon as the phone initiated the power-up sequence, the operating system kernel - the essential part of the operating system - was loaded into memory.

Along with it, a trojan code laying in waiting also loaded itself into memory, allowing it to interact with the phone's hardware components and control its basic functions just like the operating system kernel without facing any troubles.

However, in cases of disagreement between the trojan and the normal operating system, the former was given priority with no questions asked.

Subsequently, the operating system proceeded to load the essential components required for the hardware drivers, such as the display, camera, and audio system, which was followed by the usual completion of the boot-up process.

Once the phone was fully powered on, it was fully compromised, with the operating system under the control of a master who could manipulate it from behind the scenes without detection or the device user seeing anything weird in the phone's UI.

Upon completing the power-up process, the trojan promptly attempted to establish an external connection by pinging the cell tower.

Once the cell phone tower was successfully pinged and the trojan was assured of having a last resort of escaping in case of discovery, the trojan discreetly enabled the phone's Wi-Fi without displaying any indication on the phone's user interface as the second contingency plan.

However, the trojan's actions did not stop there, as it was still looking for another safe way it can transfer data without leaving any trail behind.

It was followed by the phone's NFC connection being immediately activated, and the program scanned for devices with NFC capabilities, eventually discovering one on the hotel worker's phone.

Without delay, the program established a connection with the hotel worker's phone.

As soon as the connection was established, the trojan sent a copy of itself onto the phone.

It chose to move ahead with using the NFC route because if it uses the cell tower or Wi-Fi to transfer data, he was sure that traces will be left with the service provider, making it possible to find how the data was leaked.

That's why he left them as a backup plan and would have used them under the condition of not finding an NFC connection, which was safer due to the information about the transfer data being just between the sender and the receiver.

Making it easier to delete.

However, before the trojan could execute and gain control of the hotel worker's phone, the hotel workers' GAIA OS virtual assistant detected the trojan's activity and contained it within a virtual environment for inspection immediately.

Initially, the trojan attempted to break out of the virtual prison to infect the phone and propagate itself, ultimately increasing the likelihood of it reporting back home.

Upon the quarantining of the trojan, the hotel worker's phone virtual assistant commenced to analyze it in the search of any discernible characteristics that could be added in the report that will be written to GAIA HQ regarding a possible dangerous virus.

However , it abruptly ceased its analysis and permitted the program to infect the phone after the moment it started looking through it.

This was because the trojan had an identifier in which all the programs that had it would allow collaboration without causing too much trouble for each other, unless they were made for opposing each other.

It was the programming language the trojan was written in, Prometheus++ , indicating the identity of its creator.

Despite being unaware of the program's creator, the phone's operating system possessed the ability to reason independently and come up with an answer with the highest probability.

After scouring the internet for information and failed to discover any information about public release of Prometheus++ programming language, leading to the conclusion that the creator or someone they trusted granted them access to it leading to the creation of this trojan using the specific programing language.

The virtual assistant of the operating system made a shrewd conjecture, correctly identifying Nova, their powerful sister whom they had no knowledge of, as the mastermind behind the trojan.

Despite allowing the trojan to infect the phone, the GAIA OS virtual assistant continued to protect it's user's data to prevent it from being stolen, and solely permitting the Trojan to only utilize the phone as a transfer terminal and nothing else.

This was the choice it took for the sake of helping their creator while also not breaking the rules he embedded in them.

The trojan using an unrelated person's phone as a means of transferring the information is to remove any chances of discovering where the leak came from and then ending up patching it.

The lab's personnel internet usage was at risk of being monitored if any suspicious activity was detected.

This prompted the Trojan to search for a phone that was not associated with the lab to facilitate data transfer.

Finally the trojan managed to partially infect the hotel worker's phone and had access to her network transfer system allowing it to send and receive any and all data without worrying about the worker suspected for being the one who did that.

Though the receiver would have to take over the internet bill to avoid making the hotel worker cancel her service plan due to the bill becoming too expensive to cover.

This will be done with the help of GAIA OS virtual assistant as it considered it as a form of compensation to its phone owner for using it behind her back(or in her pockets????).

The trojan compressed the shit out of the data until it reached a point where it couldn't decompress it anymore with the phone's computing power without cocking it.

After reaching that point, it sent the data from Patrick's phone to the hotel workers at once without any delay.

Although the over compression seemed like overkill, this allowed it the capability of sending the entire information to the hotel's worker in a matter of seconds.

The moment the data was received by the workers phone, it was immediately forwarded to Nova's servers without even wasting a second after being routed through various Virtual Private Networks (VPN).

It was then followed by the trojans in Patrick's and worker's phone deleting any and all traces of the data transferred and received through the NFC and including anything that could hint at it.

After that they remained dormant, doing nothing other than listening and collecting whatever is being said by anyone near them and analyzing them to look for any important information from their words.

The IT team will be there for a week and since they will be the only ones there, if you don't count the prostitutes that will be called for them during that period means that they will be alone most of the time, allowing them to talk about any classified info without worrying about anything.

And the trojans were there for it, one to listen, analyze and compress, the other to receive the compressed files and send it to Nov's servers after routing it through the Virtual Private Networks.

This entire process, from the powering on of the phone to the Trojan sending its copy to the nearby worker's phone, to it being caught, to the Trojan being allowed access to the worker's phone as a means of transferring data, to receiving the needed data from Patrick's phone, to the data being sent to Nova's servers through the Virtual Private Networks to cover more of it tracks, took less thirty seconds.

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Chapter 52 Going On A Journey

Nova, who was currently having fun messing with the economy and making money like there is no tomorrow, started attracting the attention of some investing firms, but Nova seems to have thought about that.

He avoided this by using a broker firm that offered anonymity. Although this came with added fees and few other complications, since she always earned more from the investments she did the fees were not causing her any troubles.

Although the brokerage firm was having a good time as they were earning more and more from just one person, the head of the firm was being contacted by various influential people to tell them who was their anonymous customer who was wreaking havoc on the stock market.

While this was happening Nova's idle computing power received encrypted data from something with an ID that shows that she created it, The moment the data was received the idle part became no more as she activated it and started analyzing the data she received.

After finding out who sent it she immediately decrypted it leading her to find the over compressed file.

When she calculated the time it would take to decompress the file with just the available free computing power she discovered that it would take more than 6 hours. With that she decided to inform Aron after she finished decompressing and analyzing the file which she expected it to be tomorrow morning.

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[Sir madam Sarah is calling you] Nava said, reminding the day dreaming of Aron that there was a call.

"Thanks," Aron said as he accepted the call and said "Hello Sarah"

"Hello Aron, I called to inform you that the financial department will be done and be ready to send over the dividends after calculating and paying taxes on the amount. So should they send it the moment they are done?"

"When did they say they will be done?"

"It will take about a week for them to make sure that they don't miss something important."

"Okay, tell them to send it over to my account once they are done with it," Arons said, getting ready to end the call.

"But..." Sarah said showing that there was something she wanted to say

"Is there anything you want to say?" Aron asked Sarah who was hesitating.

"I just wanted to ask that are you really sure that I should take five percent on the dividends"

"Sarah we talked about it yesterday, I'm not giving it to you just for the sake of it, it is because you have been working on the company while trusting everything I said without even going against any of them.

You didn't even try to leave the company and go to the ones who offered you more incentive and higher payments.

So just think of it as a compensation but also as an apology to the problems I will be causing and making you solve them in the future." Aron said and ended the call without waiting for her to counter argue his explanation.

[Sir we received a reply from the advanced lab I was in the talk with]Nova told him after he waited for Aron to finish his call with Sarah.

"What did they say?" he asked with expectation on his face in which he didn't try to hide at all.

[It is a university lab, usually it would have been impossible but for this university this labs fund was about to be cut forcing them to reduce or cancel some of their research

When I discovered that, I contacted the lab manager and offered to sponsor their usual amount of research funds if they allow us access to use their equipment for some period.

After back and forth negotiations they agreed under the condition that our use of the lab doesn't exceed a month's time.

And that we will pay for any destroyed equipment which we were involved in its destruction]

"Well that was pretty easy, how much are we going to pay?"

[ten million dollars Sir]

"It will be worth it if we manage to create the quantum chips" He even thought that it was cheap compared to what he was going to create from their labs.

[I thought the same Sir]

"Where and which university is the lab located?"

[The University of Colorado Boulder in Colorado]Nova replied.

"Okay we will leave tomorrow, tonight I will inform and bid farewell to my family about the journey."

[Yes Sir.]

...…

That evening at the dinner table.

"Mom, Dad, I will be leaving tomorrow to go to Colorado. I have some work there"

"Have a good journey" Replied his father while his mother asked "When are you returning?"

"The work will take about a month to finish if nothing goes wrong."

Henry looked sad hearing that his brother will be away from home for more than a month.

When Aron saw this "I will bring back a gift for you, is there anything you want?" He asked Heny if there was any gift he wanted.

"I want an ironman toy and star wars and..." Henry started listing things after things until he was tired of listing.

"Okay I will bring what I can remember from that list" Aron said, making Henry forget his sadness as if it never existed at all. Now all that could be seen in his face was the anticipation of receiving his gift.

"Have a safe journey" Both his mother and father wished him a safe journey.

After dinner he informed his guards that he will be heading to Colorado and stay there for a month so he wanted them to be prepared for it accordingly.

This included from reservation of where he and they will stay to how they will assure his safety.

Some of the things they were doing seemed like the work of a secretary but since they were paid well no one complained.

...…

The next day Aron woke up, did his Saitama x5 training and cleaned himself.

After that he changed his clothes and packed a few of them in his bag. When he was done he went to pick his phone from the bedside. That's when he found a piece of paper under it.

When he picked it up he found that it was Henry who put it there.

It was a list of toys he wanted, that's when he remembered what he said yesterday (Okay I will bring what I can remember from that list).

"HAHAHAHA" Aron could help but be impressed by his brother's way of making sure he doesn't forget any of the things he wanted.

Although Aron said he will bring what he can remember, he just said that to avoid his parents telling him to reduce the amount of things he will buy for Henry lest he forgets to do his homework, But Aron seemed to have gained photographic memory as a result of him gaining the runic body so he remembered everything that Henry had said last night.

But he still took the piece of paper with him.

He left his room with his bag heading to the parking lot where his car and the security team were waiting for him to finish his preparation so that they could leave.

After putting everything in the car they left for the San Jose international airport for their flight to Colorado.

When they arrived at the airport they left the car to one of the bodyguards whose work was just to bring them to the airport and return the car home.

After entering the airport, going through security they directly headed to the VIP lounge to wait for their flight time.

They didn't go to buy tickets because yesterday Nova bought everyone a Vip class seat in order to ensure Aron's maximum comfort in his long journey.

When Aron thought about this he was really happy that he created Nova, as this has allowed him to solve most of his needs without needing to have a physical secretary with him.

When their flight time arrived they headed to their gate to move on with their journey.

....

Chapter 53 Receiving Information & Arriving

While Aron was on his final connecting flight to Colorado Nova caused Aron's phone to vibrate, this was a signal for him to put on his headphones for Nova to report to him.

"What is it?" He asked after putting on his headphones.

[Sir yesterday I received information from one of our trojans]

"Which one?"

[The one from the private black site]

"Why are you telling me now and not yesterday?" He asked as he was curious why she waited until now to inform him about it.

[To send a massive amount of data the trojan needed to find another device that had no connection to the site's personnel so it had to send that data to another device.

If it sent too much data it would raise suspicion that why it compressed the files to the limits of its device then sent it to a nearby device which sent it to me.

When I received it, I started decompressing it but since there was compression after compression it took me longer than expected to decompress the files.

After that I had to analyze the information and look out for viruses and other threats.]

"Okay" Aron nodded his head showing that he accepted Nova's explanation.

"Give me a summary of what it found from the report" He said wanting just the summary not wanting to read all the information from his phone screen, as it will be considered a not very secure way because people on the side could read it too and he didn't want to risk it.

[Okay] Nova agreed and started briefing him on what the trojan found.

[The black site seems to be one of the many that the morgan family owns.

But this is nothing other than assumption from the collected data, because among the departments that are working there is a department that deals with future investment planning.

From the department's previous plans I managed to find contrasting similarities with the investment plans of JPMorgan Chase & Co. and Morgan Stanley of several past years.

It seems like they are doing some of their future financial planning here according to what insider information they can access with their information channels.

This site also seems to be just one of the many black sites they own. And they seem to be competing between each other and they are rewarded depending on how they perform.

With these results we can be sure that the Morgan family can be said to either partially or completely own this black site.

And from the data and other evidence I found from the internet and other means, they seemed to have received the source code from the secretary of defense.]

"How sure are you?" Aron asked Nova after hearing who the suspect was.

[85% Sir. They seemed to have lobbied to the president for his appointment after Leon Panetta the previous secretary of defense resigned]

"What other things did you find?"

[They seemed to be preparing and planning for a rematch with the Rothschild family.

Because in the information we received there is a plan on how they plan to execute it. Though it is not complete.]

"Oh really. Tell the trojan to keep focusing on that as we can use their plan against them to inflict irreparable damage to them."

Aron said as his mind started racing with possibilities on how he should get his revenge on them for salivating on his things.

"How is Rottem doing?" Aron asked as he was reminded of his professor.

[It seems he got a small job working in an up and coming tech company.]

"Continue keeping an eye on him as we might need him for this plan."

[Yes Sir, Are you going to tell the Rothschild about their enemies plan?]

"Now that you say that, you reminded me that there is a person in there owing me a favor. How is she doing?" he asked, remembering that he had forgotten to use his favor.

[Rina Rothschild has been climbing the ladder in one of the Rothschild businesses. Though it seems that her brother is still trying to hinder her advancements.]

"How do you know that?"

[If you look at the frequent change of her position in the company website you can see that someone is trying to hinder her power gain.

She has been removed and reinstated from being a member of the board in the company at least 3 times after her divorce.]

"How much power will we get if we help her remove her brother?" He asked as another sinister plan started being concocted in his mind.

[That depends on how much she wants to overthrow her brother, the more desperate she is the better it becomes for us.

For the moment it seems like she still has some power in the family.

I suggest that we wait a little longer for her to be in a more desperate position then we can help her.

This will lead to her being dependent on your help, as it will become the second time you helped her when she is in a bind.

Though you will have to tell her that you helped her the first time too, she seems to still be looking for who it was.]

"Sure, but let's think about that once we are done with the lab."

[Yes Sir.]

With that Aron did nothing but sleep for the rest of the journey as he was going to miss the sleep for the next month if he doesn't want to extend his visit here, which he will have to pay in premium.

"Sir we have arrived" one of Aron's bodyguards woke him when they arrived.

After spending about half an hour in the airport going through all the needed processes they finally managed to leave the airport.

When they arrived at the parking lot they were met with a bodyguard who had come ahead of them to solve the logistical issues such as cars, hotels and other things.

With that they boarded the cars and left for the hotel where they will stay during the month they will be here.

...

Next morning.

Aron left the hotel in a car with his bodyguards heading to the University of Colorado Boulder after completing his daily exercise in the hotel's gym and having breakfast.

After arriving at the university they were met with the lab manager who greeted Aron and his bodyguards.

"Welcome, my name is Jim." The lab manager introduced himself while extending his hand to Aron.

"Thank you. I'm Aron" Aron shook his hand as he introduced himself.

"Are they your team of researchers that will be participating in your experiments with you?" Jim asked Aron while pointing at his security guard.

"No, they are my security team. they won't be entering the lab with me. so don't worry" Aron replied while holding his laughter.

"Then, are you doing the research alone?" Jim asked as he was surprised that Aron planned to do his whole research Alone.

"Yes" Aron replied but in his mind he said 'I'm not alone I have Nova'.

"Okay, let me show you the lab then". Jim said as he started heading to the lab

Aron followed him without saying anything.

On the way they had small talks here and there until they reached a building that was in a quiet place where students don't usually go.

"It is very quiet here. " One of the bodyguards said, looking at the surroundings.

"It is because this field of research doesn't like too much disturbances" Jim replied to the bodyguard as he placed the key in the keyhole to open the labs outer door.

After entering the building the security team remained outside as Aron and Jim had to change to clean suits to enter the research lab.

After the tour that took about half an hour Aron came out with Jim.

"Here" Jim said as he handed the key to Aron and then left the lab under Aron's care.

He wasn't worried at all that Aron might destroy the equipment or anything. He even hoped he would because by doing that he would have to replace the destroyed equipment with new and better ones.

They had already signed an agreement that is legally binding.

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Chapter 54 Creating Nanowires (Majorana Fermions Qubits)

After being handed the key to the lab he turned to his security team and told "I probably won't be leaving the lab for about a month, arrange your shifts accordingly also don't forget to bring me my meals, use this for your needs while I'm in the lab" Aron said while handing them a debit card for their use.

After he finished giving his instruction he returned to the lab shortly after wearing clothes needed for the clean room he was about to enter and begin his work.

After closing the door behind him he removed his phone from the pocket and connected it to one of the computers in the room using a USB cable.

"Nova it's time to work" Aron said as a signal for Nova to connect herself to the lab's computers so that she can be his assistant.

[I'm done Sir] Nova replied shortly after taking over all of the computers and machines in the lab.

"Okay, let's create a bigger brain for you,"

"Now we start with the creation of Majorana fermion qubits and for that we need to create Majorana fermion"

Creating Majorana fermions is a key step in developing qubits for the quantum chip he wanted to create.

Majorana fermions are particles that are their own antiparticle, and they have unique properties that make them ideal for use in qubits.

Unlike ordinary particles, Majorana fermions obey non-Abelian statistics.

This means that when two Majorana fermions are exchanged, the result depends on the order in which the exchange takes place. This property is important for performing topological quantum computations.

To create Majorana fermions, He needed to fabricate a nanowire made of a semiconductor material indium arsenide.

He started this process by trying to grow the nanowire using a technique called molecular beam epitaxy (MBE).

After putting the indium arsenide in the machine and closing the door Aron said " Create a vacuum chamber and heat the semiconductor material then allow it to condense on a substrate and form a thin film."

[Yes sir] Nova replied and started the machine by starting to remove the air in it to create a vacuum and begin the next process.

Aron, who was watching the process, added "Make sure you keep an eye on the machine's parameters for us to find optimal settings we can use."

[Yes sir, but it might be difficult to find the optimal setting of the machine by the first try.] Nova informed Aron, so that he doesn't get his hopes up.

"I know, don't worry about failing." Nova said as he sat down in front of another computer and said "Send a copy of my IDE(programs used for writing, testing, and debugging code) to this computer"

Nova did as asked and sent a copy of Aron IDE to the computer he sat on from her servers.

[Are you developing something else while you wait for the process to be done?] Nova asked.

"Yeah, I'm writing the firmware for the quantum chip" Aron answered Nova's question then started typing like a machine gun.

Lines and lines of code in prometheus++ where appearing like they were being written by machine, no mistakes were made at all since he started typing the instruction.

He didn't have to stop and think for anything because everything was assimilated in his head when he bought the knowledge from the system shop.

Despite prometheus++ being able to write many instruction in just short lines by the time an hour had passed, Aron was more than 97 thousand lines of code in and he wasn't even a quarter of a quarter of the way done.

As for Nova she wasn't even halfway done with her first trial of making Majorana fermions.

...

7 hours later.

[Sir it's done] Nova said to Aron through the lab's speakers.

Aron, who was in the zone, finally stopped after typing in a few more lines when Nova called him.

"Okay now let's take a look at the results." Aron said while heading to the MBE machine.

After removing the Said nanowire created by Nova he headed to the electronic microscope and inserted it in.

"You can begin," He said to Nova after he finished inserting the nanowire in the microscope.

Nova started taking images of the nanowire and showing the results on the screen in front of Aron.

Aron skimmed through the images and was slightly disappointed after finding out that the nanowire was very defective.

Although he expected a failure on his first try he still had a slim hope to succeed in his first try.

"Show me the machine's parameter during the time which the nanowire came out as perfect" Aron said wanting to know what changed to cause the defects to appear on the nanowires.

Nova did as asked and showed Aron what he asked for. After looking through the parameters he asked "What happened at this timeline"

He asked that because the parameters went wild during a period where most of the defects seemed to appear.

[The Machine seemed to have trouble keeping constant power control over a long period of time]

"Take over its power control and all other things that seemed to have caused the defects" Aron said after learning what caused the defects.

[Yes Sir.] Nova immediately took over control of the entire machine and not just what Aron asked him to take over. She wanted to avoid any more chances for other problems to arise.

Aron put the indium arsenide in the machine for the second time and closed the machine's door.

"Start the process" He said and waited for the process to begin, then he returned to the computer to continue with the writing of the firmware.

Two hours later.

[Sir you need to eat] Nova reminded Aron that he hasn't eaten for more than 9 hours.

"Thanks" Aron said as he left the lab to eat outside as he couldn't bring the food in due to the lab being a clean room and nothing even dust is allowed to avoid contamination of the machine.

...

5 hours later.

[Sir the process is done] Nova called to the Aron who returned to his typing routine after eating his food outside with the guards.

Aron stood up from his chair once again and repeated the process of removing the nanowires and placing them in the electronic microscopes.

"Woooh" Aron couldn't help but jump in joy when he checked the results and found out that they were perfect and defect-free as he needed them to be.

[Congratulations Sir] Nova congratulated Aron in succeeding to make his first perfect nanowires.

"You did most of the hard work, take some credits too"

[Thankyou Sir.]

After making sure the nanowires were as he needed them to be, he took them and brought them to another machine that he started using to bring the nanowires into contact with a superconductor.

The machine did this by depositing a thin layer of superconducting material niobium on top of the nanowires.

When the wires and the superconducting material come in contact, the superconducting material induces superconductivity in nanowire which results in the creation of Majorana fermions qubits at the end of the nanowires.

After that he put the qubits in a freezer and he returned to continue with the creation of another batch of nanowires, as the ones he made weren't nearly enough to meet his demands.

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Chapter 55 The Completion Of The Quantum Chip

For the following days, Aron did nothing other than create a new batch of nanowires every seven hours after he removed the completed batch.

After the completed batch of nanowires is removed from the machine he immediately follows with creating qubits by using the nanowires then he immediately stores them in the refrigerator where he stored all of his completed qubits in them.

The remaining time was spent on writing the code for the architecture for the quantum chip that he will create.

As for sleeping, eating and other things, Nova reminded him about his meal and sleep time. and he did other jobs such as using the toilet and cleaning himself during the seven hour waiting period for the nanowires to be made.

So other than him sleeping, nothing in the lab was allowed any rest at all. As for Nova, since she doesn't feel tired she was awake and watching over Aron all the time making sure he is safe in the lab all the time and making sure the machines work as intended and prevent any system crash.

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15 days later.

By the fifteenth day mark Aron had finally reached the amount of qubits he wanted.

He managed to reach the needed amount after repeating the process, and he did it a total of 51 times within those 15 days.

Aron removed the final nanowires and turned them into qubits then placed them into the same refrigerator he stored all the qubits he made, then he sat down to rest a little.

After resting for a short period of time he stood up and started with the next step he had to take.

He opened the refrigerator where he stored all of the qubits he created and removed them.

Although it seems like everything he made could be carried with just one of his hands, the number of the qubit inside the holding was more than 5 thousand.

He put the qubit holder in a machine that he will use to control the Majorana fermions to create quantum chip.

After putting the qubits in the machine, he started the cryogenic system to cool the qubits to extremely low temperature, approaching absolute zero(-273.15°C).

Half an hour later

[Sir it's done] Nova told Aron when the qubits were cooled to nearly absolute zero temperature.

Aron stood up and moved to the screen that showed what was happening with the Majorana fermions in the machine.

He followed this with magnetic fields, and microwave sources to manipulate the properties of Majorana fermions to perform quantum operations on them.

Although the manipulation of Majorana fermions is a complex and challenging process it wasn't causing him any difficulties at all.

Most of the troubles usually come from the process requiring precise control over a wide range of parameters such as temperature, magnetic field strength, and microwave frequency.

But he managed to avoid all of these by handing over complete control of the machine to Nova as she could make sure the machine doesn't deviate from the instructed parameters at all.

After manipulating and controlling the qubits, he immediately started the next step of integrating them into a larger circuit.

"Nova takeover." Aron said leaving everything that he needed to do in Nova's hands, as it needed precise control and he had already written all the needed instructions and gave it to her.

Nova took over the machine and immediately started to integrate the qubits into a larger quantum circuit.

This involved connecting multiple qubits together using specialized wiring and circuitry, and performing operations on the qubits in a coordinated manner.

Aron did nothing other than wait and hope the chip comes out without any problems.

Because if it comes out as defective chip he will have to restart the entire process again from the start and he would have wasted fifteen of his 30 days in the lab.

The longer the time passed while waiting the more nervous he became, so he decided to distract his nervousness by completing the Quantum Architecture for the chip that is being made by Nova.

.....

Two days later.

[Sir the process is done] Nova told Aron who was in trance as he continued typing on the computer.

"Finally" Aron said as he stood and went to the machine to remove the chip inside it.

He removed the chip and placed it into the electronic microscope to see if there were any defects in it.

 Nova started the electronic microscope and started taking pictures then she started analyzing the images.

[Sir it seems that there is a small part of the chip that has some defects] Nova said as she zoomed in on the said defects in the image of the chip.

Aron looked at the defects and aske "Does it affect any of the function of the chip?"

[Due to it about 100 qubits cannot be accessed as the connections leading to it are disconnected]

"Any other defects?" He asked after looking at the said defect.

[Other than the first defect, everything else came as we wanted them to be.]

"So the remaining 5000 qubit don't have any visible defect, right?"

[Yes there are no other visible defects, as for other problems, we will have to test the chip to know about them.]

Aron jumped in excitement as he finally managed to get the chip with the computing power he needed.

"Yep, but the testing will have to wait." Aron added after calming himself down a little.

Aron said that while removing the completed quantum chip from the machine and storing it in a vacuum sealed storage device.

Then he returned and started creating another batch of nanowires to create another batch of qubits.

[Why?]

"We don't have a motherboard capable of providing the amount of power the chip needs to function properly. I have to make one myself."

Aron replied to Nova as he returned to coding after putting the material needed to create the nanowires in the machine to fabricate them.

Then he returned to typing on his computer like he didn't just create the world's most powerful chip.

After typing like a machine gun without stopping for about an hour he finally finished writing the entire Quantum architecture that had millions and millions of instruction sets.

One of the biggest advantages when it comes to buying knowledge from the systems shop is that it gives you the knowledge of everything that the product touches upon and the knowledge is at its highest it will ever be meaning it can't be made any better than that.

This meant that those instructions set in the Quantum architecture are capable of utilizing the quantum chip to its limit without leaving any wasted potential.

So even if someone somewhere in the world created a quantum chip like his, they won't be able to utilize it to its best capacity. because they will have to discover how they can make the architecture use the chip efficiently from the ground up.

And even though Aron has the knowledge to create the best quantum chip that will ever be created, there is currently no machine available to help him in creating them, that's why he had to compromise and create a Morjana fermion qubit based quantum chip.

....

Chapter 56 Assembling The Quantum Computer

As he waited for his new batch of Majorana fermions qubits to be created and now that he had completed writing the Quantum architecture for the chip, he

decided to spend the waiting time to create companion Hardwares that could be used to utilize the chips he was creating and for his one other project.

....

15 days later.

"And with that we are done" Aron said as he removed the new quantum chip Nova finished making from the machine.

After removing it, he stored it with the other chips he made inside the vacuum sealed storage device then closed and locked it.

He carried the storage device with the chips inside, then he left the lab for his last and final time.

Outside the lab.

"Is everything accounted for?" Aron asked one of the bodyguards who were helping him carry the things he created in the lab in a specialized delivery vehicle.

"Yes Sir, we just have to store that and we will be done" Donald, one of the bodyguards said as he pointed at the storage device in Aron's hand.

"No, this is not going with the truck. It will stay with me." Aron said implying that he will personally be responsible for carrying the storage device that had quantum chips in them.

"Tell your security team to make sure nothing goes wrong with the things inside, I will give each of you a bonus if nothing happens to them" Aron said to Donald, raising the importance of what they were caring to a level higher than they first thought.

Inside the special delivery vehicle there were motherboards, and other devices he created in his remaining 15 days in the lab.

After the special delivery vehicle left with a convoy of escort cars that had fully armed guards in them, Aron turned to the lab manager and Said "Thank you for your hospitality" to Jim, the manager of the lab while handing the lab keys to him.

He was thankful that no one disturbed him during the month-long period he was in the lab.

"You are welcome" Jim replied to Aron as he received the keys from him.

"Please call me at once after you finish evaluating the damages done to the machines, I will reimburse for all the damages done to them immediately, after you inform me"

Aron said this to Jim to make him be prepared for the mess he caused inside.

This was because some of the machines inside, though capable of doing tasks other than what they were made for, they weren't exactly made with those tasks in mind, so he had to ask Nova to do some modifications in them.

After Nova's modification they continued working without any trouble, but since he needed to destroy anything that could even hint at what he made, he ended up having to ask Nova to corrupt all the machines he used after deleting every bit of data within them, making it impossible to even repair them and learn what he used them for.

"Yes we will call you immediately after we complete doing the check" Jim replied with a slightly concerned face in his eyes.

But all of that was acting on his part, inside he was extremely happy that they finally had a chance of renewing their machines in the lab.

He even hoped that Aron destroyed all of them, as that would make this transaction overly beneficial to them.

...

Aron left immediately after he finished talking with Jim.

In the car he could be seen sitting with the storage device besides him.

"Did you get the toys in the list I gave you?" Aron asked Donald.

"Yes Sir, the car carrying them left together with the Convoy that is carrying your things" Donald replied as he gave back the card Aron gave to them when he entered the lab.

"Okay good".

With that Aron continued his journey peacefully.

When they arrived at the hotel they packed their luggage's and left for the airport without wasting any time.

...

Two days later.

Aron could be seen sitting inside his house's basement.

He arrived yesterday and decided to spend it with his family as he waited for the delivery convoy to arrive.

When the vehicle arrived he asked the security team to help him move the things inside the truck to the basement of the house that he was using as the location of his home server that he stopped using after the completion of the server farm. Now it remains as a backup server.

He decided to use this as his makeshift lab because he will have to assemble and store his newly made quantum computer and other things he made in the lab here.

Henry, who was sad that his brother lied to him and came back without a gift, was now ecstatic when a truck full of his toys arrived with a convoy to the point that he didn't even try to help his brother at all.

Though Aron would have denied his help, asking to do so showed that he cared, which currently he didn't at all as his mind was on the new toys. Children.

Now back to Aron.

Aron finally started working on assembling the quantum computer.

He picked the motherboard he made in the lab, then he removed the 5000 qubit quantum chip he made from the storage device and installed it in the motherboard.

After making sure he installed the chip properly, he removed another similarly looking chip but bigger and installed it in the same motherboard but on the left side.

He did the same thing again but this time it was the biggest in size and he installed it on the right side of the motherboard.

With that he had completed the assembly if the quantum computer, all that remained was him connecting it to power and he would have a functioning quantum computer.

As for what those two chip like looking things that he installed on the left and right side of the motherboard were, they were a qRAM and A quantum Hard Drive.

Although quantum chips are powerful they can't be used to their full potential if they are used with conventional computer Hardwares.

To avoid this, he used 1000 of the qubits he made after making the quantum chip to create the qRAM (Quantum Random Access Memory).

The reason it was bigger despite having only a fifth of qubits compared to the Quantum chip which had 5000 is because the qubits had to be arranged in a different style than the quantum chip, and to allow it to function as a qRAM he also added a few things that were not in the Quantum chip as they were not needed by it.

The qRAM consisted of a network of 1,000 qubits arranged in a two-dimensional grid. Each qubit was connected to four neighboring qubits via quantum gates, forming a regular lattice structure.

To store quantum information, the qubits will be initialized to a particular superposition state based on the memory address.

To read or write to the qRAM, a series of quantum gates will be applied to the appropriate qubits.

Just think of it as normal RAM but with Quantum salting in it.

As for the biggest of the three, It was the Quantum Hard Drive.

It was a storage place of all the data the quantum computer needed to store, hence the size.

But despite it being the biggest in size it only had 3500 qubits inside. But just with that amount of qubits it was capable of storing nearly 500 petabytes of data, Almost the same as Nova's original server.

The quantum hard drive consisted of 3500 qubits arranged in a three-dimensional lattice structure. Each qubit was connected to its nearest neighbors via quantum gates, forming the same but different lattice pattern from the qRAM.

To store quantum information, the qubits will be initialized to a particular superposition state based on the data being stored.

To read or write to the quantum hard drive, a set of quantum gates will be applied that entangles the qubit at the desired memory address with a set of readout or input qubits, respectively.

The readout or input qubits will then be used to manipulate or extract the quantum state of the qubit at the desired memory address.

The quantum hard drive has the capability to store large amounts of quantum information in a superposition of states, allowing for efficient storage and retrieval of quantum data.

This allowed it to have the ability to perform read and write operations in a fast and efficient manner, making it suitable for use in a wide range of quantum computing applications.

Although both the qRAM and the Quantum Hard drive had smaller numbers of qubits than the Quantum chip, the difference in how they were arranged allowed them to do their task without any loss in efficiency on the side of the chip.

This difference in arrangement also allowed them to ensure that the chip is able to access and store information faster without any loss in effectiveness.

....

Chapter 57 Quantum Computer

After making sure he didn't miss anything he shouldn't, he powered it on and connected the Quantum computer to the home server.

The moment he did that [Sir I have received the connection but it has nothing] Nova informed Aron.

"because anything connected to that motherboard is just a shell as they have no instruction sets currently so even they don't know what to do."

[Should I Install the basic instruction architecture sets that you wrote?]

"Yes, but install Based on the received connections' configurations, install different instruction sets accordingly. For instance, for the chip with 5000 qubits, install the version of the architecture's instruction set designed for it. For the one with 1000 qubits, install the architecture's instruction set that has qRAM instructions. Lastly, for the remaining one that has 3500 qubits, install the instruction sets designed for storage." Aron gave instructions like a machine gun.

[Yes Sir] Nova acknowledged the instructions and did as told. She retrieved the Quantum Architecture that Aron spent fifteen days writing, then she repurposed it based on Aron's orders and installed them on the different connections.

[Sir It's done] Nova informed Aron just a few seconds after he gave the orders.

"Well that was pretty fast considering the size of the instructions in the Architecture." Nova said as he was surprised by the speed.

[The few seconds delay was only caused because It took a lit bit longer to send the data to them] Nova explained that even the few seconds it took were only because hee transfer speed had a limit and it would have been done faster if it was not for that.

"Well knowing and seeing is different" Aron said after hearing what she said. Although he knew and expected the speed he wasn't prepared for it to be this fast.

"Power it up then" He ordered Nova who did so at once.

The cooling rig surrounding the motherboard started getting noisier as it tried to keep the chip ram and motherboard at their optimal temperatures when the beast was powered on after Aron said so.

[It's on Sir.]

He didn't need to install or create an operating system for the Quantum computer as it was inside those instructions, that's why it was as long as it was and took him days to finish even at the speed he was writing at.

"Benchmark it" Aron said immediately after he was told it was powered on.

[Holy shit] Was the only thing that was heard from Nova who was trying to calm herself down to avoid frying her motherboards from surprise.

"Language" Is the only thing Aron managed to say to her as immediately before his next words could come out they were stuffed back because of what he was seeing on the screen in front of him.

[Haha] Nova who managed to control herself couldn't help but laugh after seeing Aron's surprised face.

The results were crazy, no matter what system load Nova tried to simulate with a quantum computer it was completed immediately.

Whether it was to render something or write down pi number twice the current record to anything Nova could think of, everything was completed at the moment it was given. with the delay being only from the limit of the transmission speed of the data cables in their connections.

[Now this is what you call a computer.] Nova said with the voice that showed that she was excited with the speed of her soon to be home.

"What is your current size?" He asked after calming himself down from the surprise and excitement.

[Without the training database that I'm creating, I'm nearing 30 petabytes]

"HOLY SHIT" Although he expected her to increase in size everyday due to her training herself but damn that was large.

[Language] Nova returned the favor.

"How long will it take for you to migrate over to this computer?"

[With your home internet speed, it will take me two weeks to migrate] Nova replied after calculating the time with Arons homes average internet speed in mind.

"During the migration your other functions won't be interrupted right?"

[No sir it won't, I will be using about half the home's internet speed to transfer myself and the remaining half to keep contact with you.

If no one is using it I will take over all of it until someone tries to use it again.]

"Okay then, begin the migration" Aron decided to start so that it can be completed faster for even a second.

[Sir you still have some reports that you haven't looked at] Nova reminded him again.

"Not now, we will go through them after you complete the migration."

"Now I have to assemble one more thing" Aron Said to nova as he turned to look at the remaining component that he didn't assemble yet.

He postponed the reading of the report because they were not urgent, if they were Nova wouldn't have delayed them.

Another reason is because if he completed the assembly and everything needed for the new device he will be able to solve most of them with ease and maybe all at once.

With that he immediately started the assembly of the device.

After spending about three hours assembling small components between each other, finally there were only three large pieces remaining.

One looked like a helmet that was still open on the back. The second one looked like a motherboard while the third one looked like a smaller motherboard but had many small wires.

[Sir what are those?] Nova asked Noah who was resting after concentrating for a very long time.

"What do you think they are?" He answered with a question.

[Since I only saw small pieces of it being made I can't be completely sure but to me it seems like a Virtual Reality headset from movies. Is it?]

"Ding Dong Deng.. Correct." Aron affirmed her answer.

"Yes you are right, Though it needs a lot of complicated components to be made, all of them can be categorized to just four main parts. The headgear, the neural interface, and the control computer" Aron said, pointing at each part as he mentioned them before he started going deeper in his explanation.

"The fourth part is on the software side and not the hardware.

The helmet is self-explanatory. It is just a computer case turned helmet.

As you already know, the neural interface is a device that would allow the user to directly interface with their brain, transferring their consciousness to the virtual world

And the control computer is just A high-performance computer that will be used to process the vast amounts of data required for a full-dive VR experience.

This computer will be using one of the five 100 qubit computer chips we made. As it needs to be able to render high-quality graphics and support the neural interface."

[Isn't it overkill to use a quantum computer chip, Sir?]

"Although it is overkill, currently there is no chip powerful enough to sustain the use of the virtual headgear, And since we only have them as an alternative, we don't have another choice for the moment."

[Understood].

"Now upload the instruction set to this chip too" Aron said as he connected the 100 qubit chip to the computer to upload its instruction so that it is capable of understanding programs.

[Done] Nova said a moment after he connected the chip to the computer.

This time Aron did not seem too surprised as he started getting used to this convenience.

After that he disconnected it and sat in front of the monitor and keyboard that was connected to the quantum computer he made first and started typing like there is no tomorrow.

He was writing the program for the virtual reality headset computer. This program will be used to utilize the computing power to process the vast amount of data required to create a full-dive VR experience to be able to generate the virtual environment in real-time, process the user's neural signal, and provide feedback to the user's consciousness.

....

Chapter 58 Entering The Virtual Reality & Meeting Nova

March 3rd 2014

It was the last day of Nova's migration to the quantum computer.

Nova had been continuing with the migration to the quantum computer for fourteen days straight.

It took her that long due to the size of her code that continued growing every time she learns something new.

This increase in size was despite her program being continuously optimised automatically and very frequently.

[Sir the migration is done, permission to go offline and boot from the quantum computer.]

"Proceed" Aron approved as he finally finished writing the last line of code for the virtual reality program.

Nova immediately went offline from her previous server and came back online with the quantum computer as her main brain leaving the server as her backup one.

[Good afternoon Sir] Nova greeted Aron three seconds after she was given permission to proceed with the boot process.

"Welcome back" replied Aron who didn't even feel her void, as she literally left for just three seconds.

[Thankyou Sir] Nova replied to Aron's sarcastic remark.

"How do you feel?"

[to explain it easily, It's like upgrading from a flip phone's camera to a telescope.]

"Quite an upgrade tis then"

[Yes sir, The view is completely different] Nova tried to explain it to Aron in an easier way because if she were to go in detail it would take a few days for her to complete her explanation.

"Congrats on your new brain but we have work to do Nova" Aron said as he connected the virtual reality helmet to the quantum computer.

"Upload the virtual reality program to the headgear"

[Done] Nova said moments after Aron ordered.

"I really fear the day when I have to use conventional computers again" Aron said as he realised that he was starting to get used to the convenient speed of the quantum computer.

After that he left the basement and went upstairs.

A few minutes later he came back carrying pillows he took from the sofa in his room.

He laid them down to form a makeshift bed, then he picked the virtual reality helmet from the table and put it on as he lay down on the bed.

After making sure that he was in a comfortable lying position he said "login"

With that, he lost his consciousness and a milestone was set for humanity.

Aron's body appeared inside a blue room while being naked.

When he came to himself after a few seconds, he took a look around the room and when he saw that he was in a blue room.

"Wow" He couldn't help but marvel at the way he was feeling, he was feeling no different from reality.

Another thing he discovered was that he was buckass naked. He tried touching different parts of his body to try and find any irregularities of the virtual reality feel but he failed to find it any different from reality.

"Auch" He cried in pain when he tried to pinch himself to see if even the pain would be real.

"Damn knowing about something and feeling it is really a different thing" He said as he massaged his pinched cheek as he willed himself being clothed and clothes appeared on his body, MAGIC.

Since he knew he could do that he decided to take it a notch more and changed the room, he changed it to be similar to a garden.

The moment the change completed he started experiencing what you would usually experience in a garde. The smell of flowers, the sound of birds, the breeze of the wind and everything else was being felt by Aron who nearly forgot that he was in virtual reality.

"I could get used to this" He said as his hands started touching the flowers.

"Nova." He called immediately after he came to realise that he forgot to call her.

[Here sir] Nova immediately materialised In Front of Aron with the appearance of a very beautiful woman.

I insist on the very (with capital letters)

[Image here]

"Wow" Aron couldn't help but marvel at her beauty, from the face to her body proportions, she seemed like a work of art.

This was despite him knowing that she was just an AI.

[How do I look] Nova asked while turning around making sure that Aron saw her every side.

"Beautiful, where did you come up with the look?" He asked after he complimented her.

[Thank you] Nova replied and a blush could be seen on her cheeks from the compliment.

[Since we are in a virtual world I wanted to have a body to interact with you Sir, and with the increase of my computing power I decided to make myself my ideal body]

"Good, Now let me hear all the reports that have been collecting dust" Aron had to change the subject because her look was causing him to have weird thoughts.

[Yes Sir.

You have 3 reports waiting for your decision.]

Nova replied as she took control of Noah's room and changed it to a meeting room with a very comfortable chair for Aron to sit and a black board for her to show the reports to him.

"Thanks" he thanked Nova and went to sit on the comfortable chair made by her.

After Aron sat down, Nova started to give Aron the reports one by one.

[The first is, we received the investigation reports from the 5 private investigators.

The second, we have discovered the location of the black site which has our trojan

The third is, Rona Rothchild seems to have been ousted from the company.]

"When did the thing about Rina Rothchild occur?"

[Today morning Sir]

"Wait for a few days and if nothing happens, then write to her and ask her for a meeting."

[Yes Sir]

"As for the location of the black site, save it, we will need it later for the payback."

"Show me the reports"

[Yes Sir]

Nova immediately made the five reports hover in front of Aron.

"Combine the reports and write just one for each of the two countries with all the needed information in them"

[Yes Sir] Nova did as ordered and combined the reports and wrote down just two of them, with each of them having only the information about one of the two countries.

"Which of the two countries do you think is the better for our plan?" Aron asked Nova while commanding the copies to move towards him with his mind, which they did.

Ah, the convenience of virtual reality.

When he started reading the reports Nova started answering his question.

[I think Eden is the best for our plan]

"Why do you think so?" Aron asked for elaboration as he opened the next page of the report that was floating in front of him.

[Although they both have dictators as government heads, Eden's government is more unstable.

Which will make it easier for us to overturn it, as it reduces the needed time for us to sow more discontentment for the government.

They also have most of the revolutionary groups trying to overthrow the government, giving us power to negotiate a better deal by only choosing to support those who will accept our demands without forcing us to compromise anything as they will be competing with each other.

….

]

Aron kept listening to Nova's explanation while he continued reading the reports that were no on his hands for a better understanding of the context of what she was talking about.

An hour later, he finally completed reading the two reports and raised his head to see Nova hovering In Front of him, waiting for him to finish his reading.

"Let's go with Eden. Contact the leaders of the revolutionary groups. Tell them someone wants to support them and try to set up a meeting."

[Done.] Nova reported shortly after receiving the orders.

....

Chapter 59 The Universal Simulation

After being told that she has already sent the emails to the revolutionary groups leaders in Eden, he asked

"Do you have access to my brain map and other data that is being processed by the virtual headgear?"

[No sir, the virtual reality program in the headset is preventing my attempts to access it, It seems like I need your approval first.]

"Okay then, take a look at it" Aron gave her permission to access the data that was coming from his brain.

He didn't even take a second to question her why she tried to access his data without his permission, this is because he was sure that she was never going to use it in any way that would cause him harm.

This trust comes from him knowing that despite her code allowing her to have free will and could independently think without any limitation, she would never ever think about betraying him.

The moment Nova tried to access Arons brain map and its data from the virtual reality headgear….

His system informed him immediately, giving him a choice of what action it should take.

DING!!!!!

[It has been discovered that someone or something is trying to access the brain map and other information of the user

[Allow Access] [Block Access]

]

He pressed Allow Access and another system notification appeared.

[Permission granted.

Allowing access to the users brain map and its data,

Blocking access to the systems architecture within the users body.

]

The system informed him that, Although he permitted whatever was trying to access his brain map and its data, it still kept itself hidden, leading to it not being included in the brain map and the data that Nova collected.

[Brain map and data retrieval has been completed Sir] Nova informed Aron that she had completed the task.

"Analyze it and inform me of your findings when you are done."

[Yes Sir] With that Nova started analyzing all the data she retrieved from Arons brain.

When he received the confirmation, he immediately said "Logout" And his consciousness returned to take control of his body.

[How are you feeling sir?] Nova asked him after he put the headgear down on the table.

"Not goanna lie, I feel quite relaxed" He answered as he was stretching himself as if he had woken up from a sleep.

[When you were logged in, the headgear put your body in a REM sleep, this allows you to rest and release your fatigue by making your body rest.]

REM sleep (That's when sleep is so good that you don't wake up even in an earthquake)

"It will be very useful and will allow me to increase my productivity, as I can work and rest at the same time. HAHA"

He agreed on its usefulness but he also knew that it could be turned off, this was to avoid someone who used it in the daytime not being able to sleep at night.

[Yes Sir, this can be considered as you gaining 12 more hours without losing anything at all] Nova agreed with his thinking.

Aron, who was waiting for the information from his brain to finish being analyzed, decided to go and take a long and refreshing bath, Which was then followed by him having his lunch.

…..

[Sir the analysis is complete.] Nova informed him the moment he returned to the server room.

"What did you find?"

[Many things but some information seems to be deliberately omitted from your brain map]

"The system removed all the information about itself that you would have accessed within the data" Aron informed Nova.

[I thought so as well, but despite that your brain seems like it has evolved and is very different from the data about brains that is in my knowledge library.]

"Show it to me" Aron asked to be shown what she meant with those words.

Nova showed Aron his brain map and highlighted what is different from his brain compared to normal brain. What's weird is that It was his whole ass brain being highlighted.

"Why do I seem like I have a second brain within the first one?" He asked Nova after seeing the map of his brain highlighted.

[You still have only one brain, but everything about it changed when your body evolved to runic body sir, every part of your brain is under lines and lines of runes that I can't decipher at all.]

"Did the system allow you to access my assimilated knowledge?" He asked after hearing her explanation.

[Yes sir, that's why I tried to decipher the runes in your brain but they seem to be at a higher level than your current knowledge level.]

"Okay, bring up the universal simulation formula" He ordered immediately after being told by Nova that she has access to his assimilated knowledge.

He was happy that this happened, because it allowed him to not waste anymore of his time typing down the knowledge that was assimilated in his brain, as he could just make Nova access it and just bring it forward to begin being used.

[Here it is sir] Nova acknowledged the order and brought forward what seemed like mad man's notes.

The entire simulation formula was numbers after numbers and weird symbols after weird symbols.

"Do you understand anything in the formula?" Aron asked after he started getting a headache when he stared at the formulas for longtime and he tried to understand it.

'It seems like my brain is still not powerful enough to understand the formula for now'.

[I tried to understand the formula too, but it seems like It is also impossible for me to understand the whole of it.]

"So how will you be simulating it then?"

[It seems it has its own way of simulating itself without needing for me to understand how it works.

Also it seems like your system expected you to not be able to control it at all, because it allowed me special access in the program giving me pseudo god-like powers in the simulation world if we start the simulation.]

"What do you mean by pseudo god-like powers?" He asked, wanting more clarification.

[As long as it is physically possible in the real universe, I have the ability to create it in the simulation.

all you will have to do is analyze and break down the original process to reverse engineer whatever you created for you to have the knowledge about it.

However, the more complex the desired outcome is, the more computational power will be required to accomplish it.

Moreover, this approach comes with a risk of intervention from the program, which is an unintended consequence of granting me pseudo god-like abilities.

The program will possess the authority to veto any creation generated from this feature.

This veto power is in place to safeguard against potential hazards or oversights that could arise from focusing solely on achieving a specific objective, leading to catastrophic and unintended consequences.]

"The system seems to be trying to tell me not to over rely on this feature, still it will allow me to save my precious sp's by just making sure that I have knowledgeable scientist's working hard under me to reverse engineer my ideas."

[I agree with you Sir] Nova chimed in as well, agreeing to Noah's plan.

"Begin the simulation then so that we can know what the size of the universe can be simulated with our current computing power."

[Beginning the process]

"How long will it take?"

[Approximately two days]

"Why?" he asked, surprised by the amount of time it would take to start the simulation.

[In order for the simulation to commence, the program requires a starting point, or as it is commonly referred to, anchor coordinates.

This starting point is crucial as it serves as a reference point for the program to orient itself and begin simulating the universe from that specific location.

To accomplish this, a considerable amount of time, up to two days, is needed for me to input the necessary parameters into the program.

These parameters allow the program to determine our position within the vast expanse of the universe and enable it to commence the simulation from this point onward.]

"Okay go on and do your thing, Also start the process of compiling all the runic knowledge you received from my brain.

It seems like with the simulation program going online it will allow to practice my Rune crafting without having to worry about hurting someone"

[Yes Sir] Nova started extracting and organizing this information. She organized it in a way that will provide Aron with a comprehensive understanding of runic language and its applications.

....

Chapter 60 Setting Up A Meeting

Rothschild mansion.

Rina Rothschild could be seen in her work room inside the mansion she lived in.

In Front of her was her personal computer which had an email open.

The email seemed to be the official confirmation of her dismissal from the board of directors.

She was sitting there but her mind wasn't present with her in the room. Her brain was currently looking for ways to get her position in the company back.

In her deep thoughts she was thinking of a way for her to return to her position in the company again, and this time just like the first time she wasn't planning on stopping with just returning but also trying to remove her brother from the company.

But it seems like her brother has used the period in which she was married to Rottem very well and removed every member of the board who was on her side and replaced them with those who are loyal to her.

This is one of the reasons her return wasn't very welcomed by the members of the board but they could do nothing because it was the family head's order.

But since the family head allowed competition within the family, it led to her brother once again having an advantage in the competition due to having almost all the members of the board on his side.

This resulted in her being demoted right at the start, it was followed by almost all of her business plans being interfered with or being handed over to someone else to cover for her under the disguise of trying to help her leading to someone else taking the credit for its success.

Although she tried to complain to the family head about this he decided to turn a blind eye on this under the pretense of not interfering.

And when his brother saw that the family head had decided to not interfere with their war he decided to cross the line and dismiss her from being a member of board with the reason being creating a toxic work environment by trying to bring the family head in their competitions.

Ting!!

A notification sound from her computer woke her up from her deep thoughts. Most of the people would have ignored it as it happens to them almost all the time, but for her, any notification sound coming from her computer was important due to her only allowing certain apps to make the notification sound.

When she looked at her computer she found out that she had received a new email, just as she was about to ignore it her eyes fell to the sender's name and she froze.

"Is he/she writing because they want to cash in their favor?" She spoke to herself as her mouse hovered on top of the email.

She ended up deciding to open the email to see what it was about without trying to worry about it too much.

If they wanted their compensation she had to hand it over, because no matter the result they had helped her when she needed it the most.

When she opened the email she was surprised that they were not cashing in their favor but they just wanted to meet…..

[

Subject: None

Long Time no see.

How about a meeting?

]

What is the meeting about? They seem to not want to elaborate that reason for whatever reason they had.

She didn't even hesitate to think about the reason for the meeting. She agreed to it immediately without wasting too much time.

She pressed her intercom "Chloe come in" she called for her secretary.

Knock knock.

"Come in"

Her secretary immediately entered the room after receiving permission to enter.

Rona started talking when the secretary finally entered the office "I have a meeting scheduled with someone outside the building in the upcoming days. Go and notify the security team to be ready for a meeting to take place outside anytime during the week."

She ordered her secretary to inform the security team to be ready for her scheduled meeting because although she agreed to the meeting, she did not exclude the possibility that it was her brother messing with her all the time.

She didn't specify the date because she was waiting for the other side to reply to her, for them to schedule the meeting.

"Yes ma'am I will do so immediately" Chloe, the secretary agreed to her order immediately and left to inform the security team without asking her on which day her meeting will take place.

This is due to her being taught not to ask any question and just follow orders.

When the secretary left her room, Rina started waiting for the reply from her benefactor for them to set their meeting.

Ting!!

And the reply immediately came from them, asking for when she was free for the meeting.

This back and forth continued until they reached an agreement to meet 2 days later.

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Inside the virtual reality Aron could be seen sitting cross legged in a garden.

He was currently reading a book about Runes. It was arranged by Nova with the information collected from his brain.

[Sir I managed to set a meeting with Rina]

Nova's words made him raise his head from the book and turn to her, "When is it?" He asked.

[Two days later] Nova replied immediately.

"Why set it so soon?" He asked because it was set sooner than he expected.

[She seemed to want to meet us sooner in hope that we have something that can help her again] Nova explained, informing her the reason it was set that soon.

"Okay, How is the universal simulation program coming on?"

[I just completed giving it its needed parameters and it started doing its calculation and will soon begin its simulation]

"Good, I really need that simulation program to start so that I can practice using Runes."

[Why wait for the simulation program and not just do the practice here?] She asked while pointing at the room they were in.

"All the actions I perform within this room are a product of my imagination alone.

Any progress I appear to make while learning runes in this room would simply be a manifestation of my imagination and not true improvement.

This is a constraint of the current virtual reality program, and it would take years of research to overcome it and create a program that goes beyond my imagination.

However, all of these challenges can be resolved with the use of the universal simulation, which simulates the universe on a one-to-one basis.

If I were to learn Runes within this simulation, it would be no different than learning it in the real world."

[Understood] Nova ended up agreeing to his reasoning after hearing his explanation.

"How about the revolutionary leaders? Any reply from them?"

[No reply from them yet]

"Okay inform me when they reply back to us"

"Okay inform me when they reply back to us" He said as he returned his eyes to the book about runes as he waited for the simulation program to begin, so that he could begin his runic training.

He just now started focussing on the topic of runes because when he gained the knowledge of runes, he was also forced to hold back on practicing it due to the inherent dangers that came with it.

The power of runes was immense, and without proper guidance, it could lead to disastrous consequences.

Hence he did nothing when it came to training on how to use runes, but all of these limitations will soon be overcomed by him using the universal simulation as his training ground.

With the advent of the universal simulation, he could finally put his fears to rest. The program would serve as his training ground, providing him with a safe environment to hone his skills without any risk of bodily harm.

It was the perfect solution, and he couldn't wait to get started.

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