LN Shiba Tatsuya feats list

By YuuichiGiri



Shiba Tatsuya, the protagonist from the Light novel The irregular at magic high school. One of the most underrated characters in the SCD community. Having seen this, I decided to make a LN Tatsuya feats document to make him get recognized. However, there are 33 volumes for this novel, so it might contain a large amount of information. In this doc, it may contain Tatsuya's intellectual feats, his ability that made by himself, and outsmarting feats. Therefore, I will try to minimize Tatsuya's feats as much as I can. (Deadline: idk)

-Enrollment arc: v1-v2 (✔)
-Nine Schools Competition arc v3-v4 (✔)
-Summer holiday chapter: v5 (skipped cuz not much of Tatsuya feat)
-Yokohama Disturbance arc: v6-v7
-Reminiscence arc: v8
-Visitor arc: v9-v11
-Double seven arc: v12
-Steeplechase arc: v13
-Ancient City Insurrection arc: v14-v15
-Yotsuba Succession arc: v16
-Master Clans Conference arc: v17-v19
-Southern Sea Riot arc: v20
-Prologue of Disturbance arc: v21-v22
-Isolation arc: v23
-Escape arc: v24-v25
-Ivasion arc: v26
-Sudden change arc: v27
-Pursuit arc: v28-29
-Resue arc: v30
-Future arc: v31
-Sacrifice/Graudation arc: v32

Terminology explanation of Mahouka world

Weeds

Weeds were described by the second course students in the First High School. Shiba Tatsuya was one of the weeds in the First High as well. It represents the class differences in the First High. Basically, the second course students would not gain much more respect in the First High because of their lower course.

CAD

CAD, the Casting Assistance Device. It is a machine researched & developed using Magical Engineering Technology. A device that simplifies the magic activation process and stores the programs that are required to use magic inside.

Four Leaves Teology (FLT)

A domestic CAD manufacturing company. Originally, the magic engineering parts manufactured by this company were more famous than the finished products. But after developing the ‘Silver Horn’, it became a well-known CAD manufacturing company.

Taurus Silver

Silver is a talented technician who has advanced TEN YEARS of specialized CAD software technology in just one year. However, Tatsuya is the main character in Taurus Silver this role.

Eidos (Individual information body)

In modern magic, individual information bodies refer to ‘information that accompanies things and phenomena.’ And ‘magic’ means modifying individual information entitles.

Idea (Information body dimension)

In modern magic, it refers to ‘a platform used to record individual intelligence bodies.’ The original form of magic is to export magic formulas to this platform.

Activation Sequence

It is a blueprint for magic, a program used to construct magic. The activation sequence data file is stored in CAD in a compressed form. After the magician inputs the psions expansion program, the activation will be converted into a signal according to the data content and sent back to the magician. It replaces the mediums used in ancient magic and allows faster and more efficient use of magic.

Psions (Thought particles)

Non-material particles located in the dimension of supernatural phenomena are information elements that record the results of cognition and thinking. The 'Individual information body' that became the BASIS of modern magic theory, and the 'activation type' and 'magic type' technologies that became the backbone of modern magic are constructed from psionics.

Pushions

Immaterial particles located in the dimension of paranormal phenomena. Although its existence has been confirmed, its form and function have not yet been successfully analyzed. The ordinary magicians can only 'sense' the activated pushions at most.

Enrollment arc (V1-V2)

Self Awareness / Knowledge / Possibility thk / Social awareness

Although Tatsuya got the best scores in the written test, he did not do well in the practical skill test (because of his magic specialty), so he became the 'weed' in the First High School. Instead, her sister Miyuki was the Blooms which represented that she was the first course student. However, Tatsuya did not feel compassion for that. He truly understood his aim at this school was to protect his sister Miyuki, which when he got complained by other first course students, he just ignored them.

(Tatsuya's average entrance test score: 96/100, he got an impressive result on magical theory and magical engineering. The average score of qualified students is less than 70 marks. But Tatsuya got full marks in these two subjects which also included the application questions.)

When Tatsuya met Saegusa and got asked about his system, Tatsuya used a justification to reply to her as he thought if he used a indifferent tone to answer her, it may be affecting her sister's future.

Analysis / Critical thk / Convergent thk / Perception / Inductive rsn / Emotional analysis / Memory / Guesswork

When Tatsuya first met Mizuki Shibata, he inferred that Mizuki had a over-sensitivity to Pusion energy, by understanding it was rare for someone who still wearing glasses as since the mid-21st century, vision correction treatment has become popular, making symptoms like myopia gradually become a thing of the past in this country. Tatsuya confirmed this by discovering Mizuki's lenses did not have a prescription, which means her aim to wear the glasses was not to correct her vision.

Also, based on the first impression of Mizuki, Tatsuya excluded the possibility that her aim was for fashion, instead it was more like some necessary reasons. After that, Tatsuya inferred that Mizuki could be a threat for his secret that he hid if the reason for her to wear the glasses was extremely strong perception.

(When Tatsuya knew Chiba Erika, he realized Chiba was one of the number family, but he did not remember there was someone called Erika in the Chiba family, but he did not exclude that could be a branch family. Here proved Tatsuya remembered all the people's names in the number family.)

By confirming Miyuki had an over-sensitivity, Tatsuya said, 'But Shibata san, I didn't expect you to see the aura in your expression. Your eyesight is really good." to test her reaction. As expected, Mizuki felt surprised after hearing that.

Attack speed / Agility / Skills / Battle IQ / Thinking speed / PSI / VSI / Data analysis

In the battle with Hattori, Tatsuya won against him in less than 5 seconds. The type of CAD that Hattori used was Generalized CAD, doesn't have any interfaces on the main body and can be used without any external input devices. Although Hattori's starting speed of the CAD is fast, Tatsuya's attack speed is way faster than it (his speed made Watanabe think he used the speed magic but that was one of his taijutsu learnt from Kokonoe Yakumo) .

Tatsuya decided to move to the position that Hattori could not observe, as the line of sight disappears from the line of sight (disappears from the cognitive range), errors cannot be avoided.

This error changed Hattori's CAD's Psions dissipated. After all that, Tatsuya shot three constructive Psions fluctuations (different frequency) that were unexpected on Hattori to make him faint and win this battle (When magicians faced the unexpected Psions fluctuations, they would have the illusion that their body is shaking. In hypnosis, as long as the suggestion of 'burn and scald' is given, traces of burn and scald will actually appear. Tatsuya here made Hattori have an illusion that it is 'swaying;, causing strong symptoms of seasickness).

This battle showed Tatsuya thinking speed on formulating a short strategy when facing different opponents. He understood the psions may dissipate after they did not get any effect, the things he needed to do was misdirect Hattori to make him error. Also, to create different frequencies of the Psions fluctuation, it requires a precise calculation. (As Watanabe mentioned before the battle between Tatsuya and Hattori, Tatsuya could directly read the unfolding activation formula and accurately predict the magic that would be activated immediately, and it was at least 30,000 words of information.)

Thinking speed / Divergent thk / Creative thk / Analogical thk / Creativity / Knowledge / Realistic thk / Risk Calculation

Although Tatsuya did not have the materials to create the Interference Calculation (by producing a large amount of non-reasonable Psions to interfere the magic, it has the similar logic of domain expansion), he still found a method to create the effect of Interference Calculation.

He used two CAD to create the Psions interference wave and send it to the magician's Information body dimension. Tatsuya used the first CAD to launch the activation formula that hinders the opponent's magic, and used the second CAD to launch the reverse activation formula. Interference Calculation aimed to release a large amount of non-reasonable Psions, to do this, Tatsuya kept the two CAD in the activated state to release the generated Psions wave as unsystematic magic. Therefore, the two magic formulas that were originally constructed by the two CAD's activation formulas, as well as the same type of magic as these two magic formulas, will be hindered to some extent.

And that was the reason why Tatsuya asked Watanbe to get two CADs before the investigation. We can infer that Tatsuya formed out this method when he was helping to tidy up the things in the room and discovered the old style CADs. This showed Tatsuya's creativity and not just convergence. But doing this, this also requires a high level of knowledge by understanding the structure of the Psions. Also, Tatsuya knew he needed to hide this method as this might shake the foundation of the society because this kind of technology could easily disable magic without any expensive materials.

Emotional control / Emoitonal Management / Social skills

It needs to be mentioned that Tatsuya has similar emotions then Ayanokoji. As we know, the experience in White Room made Ayanokoji emotionless. Back to Tatsuya, after he beated Kirihara and caught him, many of the first course students turned their contempt behavior to hate and fear, and also there were some Anti-magic organizations such as 'Egallte' attacked on Tatsuya but got repelled by himself. In this high pressure situation (for a normal person), Tatsuya did not feel anything and he knew that he would always be an exception.

Also, Tatsuya is not a social disorder person, at least he could do regular communication easily. For example, when he met with Haruka Ono sensei, he discovered that her clothing was too exposed. Even Ono sensei tried to get dominance in a conversation by tricking Tatsuya's vision to make him shaken, Tatsuya still controlled his emotion and only responded with expressionless eyes to get the dominance in the conversation again.

Abductive Rsn / Reflective thk / Realistic thk / Analogical thk / Critical thk / Emotional understanding / Interpersonal intelligence

Tatsuya inferred that why 'Blanche' was trying to resist the magic and that some of the 'Egallte' members were the students in the Magic High Schools. Tatsuya knew if he was using the common concept to think, this was contradictory because the Blanche were opposed to using magic but studying in the magic school, which there might be other reasons to cause them to do this.

The slogan of Blanche is 'Abolition of social discrimination caused by magic'. The slogan itself is correct and cannot be criticized, and Tatsuya knew the singularity is the 'discrimination'. In common understanding, the discrimination might be 'the personal strength and efforts have not been received due to social evaluation'. Tatsuya inferred

that Blanche's discrimination means the 'income differences' between the ordinary people and the magicians.

However, Tatsuya understood that the member of Blanche did not understand how the heavy workload that high income magicians must bear, they neglected a large group of reserve magicians who have magic skills but can only find non-magic related jobs, whose income is also in average level (2nd course students). Tatsuya knew the reason that the first line magicians could get a high level of income because they could provide profit.

Tatsuya inferred all the thoughts and situations of the Blanche and showed how selfish and capricious they were:

- They can't use magic themselves, so they don't want magic to be used as a measure of personal ability.

- They knew magic cannot be used just as talent, it takes a long time of study and training to use magic

- As long as it is something that is not good for themselves, they will not say it or think about it. They will only use the pleasant concept of 'equality' to deceive others and themselves.

- People who study magic will deny the 'differential treatment' caused by magic, precisely because they can't live without magic. They don't want to leave the magic field, but they can't stand not being recognized by others.

- They cannot bear the fact that they cannot catch up with others even if they put in several times harder efforts on it.

Eventually Tatsuya inferred that the purpose of the magic denialists was to weaken Japan's magic, so as to reduce the country's national power. Therefore, they did not hesitate to resort to brutal terrorist attacks to reduce the power of Japan. And the one who might benefit was the other country.

Perception / VSI / Visual-Spatial intelligence / Sense / Intuition

Due to his impressive perception ability, Tatsuya is able to identify various Idea in Eidos. The range for him to visualize was a whole library building, he sensed how many people in each area. This requires a high level of VSI to understand the structure

of the whole building. If it isn't, Tatsuya could not tell the amount of people and the places they were in accurately. (Amount of people, due to his identification and sense of the Idea. Location, due to his VSI of the building)

Also, before the invasion of the anti-magic organization, Tatsuya had suspected Kouji Kou was having a strong link with Blanche. Therefore he required Yakumo to gather some information about Kou and found out his brother was the leader of the Japan branch of Blanche, which then he inferred his brother did arrange for Kou to join the First High School in purpose for the resistance activities. Tatsuya's suspicion was only due to the first time he met Kou (it was just a coincidence for him to see Kou because Kou kept harrassing Shibata to join their organization, and also he remembered Kou was the person who attacked him). However Tatsuya sensed that he might have a strong link with Blanche due to no reason, intuition only.

Formulation speed / Decision Making / Leadership / Short-term strategy / Strategy efficiency / Deductive Rsn / Observation / Acting skills / Critical thk

With just one quick look on the industry that the Blanche members were hiding, Tatsuya knew how to use all the people he had to catch all the Blanche members successfully. He formulated a strategy immediately after Jumonji asked him. By understanding the power ranking of each person, Tatsuya arranged for Leo to ensure the escape route, and Erika for assisting Leo and stopping who wanted to escape. He knew Jumonji and Kirihara were above Leo and Erika, so he arranged for them to go around clockwise to the back door, and Tatsuya himself and Miyuki may attack from the front door.

When Tatsuya met Hajime and got invited by him to join their organization, Tatsuya had said 'this is indeed your goal…'. It means that before the invasion, Tatsuya had already inferred he was getting targeted because of Tatsuya could create the Interference Calculation without any special materials, which was the reason why Mibu Sayaka would in touch with him and Kou did attack him because they were spying for Tatsuya's skills on the 'interference calculation'.

By refusing to join Hajime, Tatsuya observed that he was trying to use his right hand to take off the glasses to attract attention, and his left hand was trying to operate the CAD. Tatsuya could see the movement of activation sequences easily which then he could know what type of magic Hajime activates and takes the measures. To make Hajime believe Tatsuya was controlled by him, Tatsuya acted he was unconscious by dropping his CAD to deceive Hajime.

(After all that Tatsuya faced 10 people with the rings on their hand that were made of Shoyo rock. Tatsuya knew that this special material could only be produced in high-altitude areas with prosperous ancient civilization, and inferred that the employer of Blanche was the faction that promotes the separation and independence of Ukraine and Belarus, and the financial backer behind it was the Greater East Asia Federation.)

Nine School Competition arc (V3-V4)

Social Intuition / Social Awareness / Emotional Perception / Emotional Understanding / Abductive rsn / Decision making

When Mikihiko got tricked by Erika, calling his name Mikihiko to 'Miki', Mikihiko felt so embarrassed and nervous. However, Tatsuya sensed that Mikihiko now has a dark emotion that is almost hateful. Tatsuya decided to stop Erika as he inferred something. He knew that Mikihiko was the descendent of the old magic family 'Yoshida', and by knowing the information of Mikihiko and Erika knew each other when they were small, Tatsuya inferred that this situation was not happen the first time and Erika might want to make Mikihiko angry and confess the inner troubles once and for all.

VCI / PSI / WMI / CPI / Numerical rsn / Data Analysis / Arithmetic / Vocab information / Memory / STM / Memory storage

By showing his skills on CAD engineering in the nine school competition selection meeting, Tatsuya got arranged to copy Kirihara's CAD to the CAD that use for the competition.

In this scene, Tatsuya showed everyone his analytical skills and speed on adjusting massive amounts of information and numbers. Although it was just 'copy', the way that Tatsuya used is not automatic adjustment, which is different from other engineers. (the reason that Tatsuya decided to operate the CAD manually because it could perform more precise adjustment instead of automatically)

After Tatsuya saved the configuration file in the working area of the adjustment machine and measured Kirihara's psion characteristics, Tatsuya started showing his talent. Because Tatsuya decided to operate the CAD manually, the entire screen was filled with countless high-speed scrolling text strings, which is not the measurement result chart. People that saw things like Azusa, Mayuri and Watanabe, Mayuri and

Watanabe could barely see scattered numbers, and their eyes could not even keep up with the speed of scrolling the string of words, and this happened in 5 minutes.

In these 5 minutes, Tatsuya remembered all the numbers and information (basically the duration of STM could only be 18-30 seconds, but Tatsuya's STM duration could be as long as 5 minutes). And after 10 seconds to recall all the information, Tatsuya immediately installed the competition CAD and quickly typed on the keyboard. After all that, Tatsuya started interpreting the measurement results of Kirihara's psion characteristics directly from the original file (actually you can think piston = atom).

Using this method, all measurement results can be adjusted to reflect the results within the range allowed by the CAD, this is totally a fully manual adjustment that does not rely on the automatic adjustment function. This means that the CAD that is adjusted by Tatsuya would reduce the risk that automatic adjustment brings to Kirihara, and provides efficiency for the activation sequence that far exceeds that of automatic adjustment.

Influence

After Tatsuya invented the flying type magic (explanation is in the end of the v3-v4 part of this document), it reveals that Tatsuya is one of the character of 'Taurus Silver', or should say, he was Taraus Silver, but due to his age and background, the surplus employees from the technical department that made up the Third Division now hold considerable sway in FLT after the advent of the Silver Series. And this was one of the identities of Tatsuya – Taurus Silver.

Critical thk / Analogical thk / Perceptual rsn / Deductive rsn / Associative thk / Perception / Observation / Analysis / Anticipation

Based on the talk with Kazama Harunomi, Tatsuya suspected that the magic criminal organization from Hong Kong, No Head Dragon, may interrupt the Nine Schools Competition. Indeed, after the car accident happened, Tatsuya confirmed that No Head Dragon had interrupted this time.

When the accident happened, Tatsuya perceived the car bounced in an unnatural way. And in the investigation, it was found that as expected, there were traces of magic left in it. However, ordinary magicians could not even perceive that even Miyuki did not. Tatsuya inferred that the people who could control the lack of psions were highly skilled. Tatsuya used the remnant psions in the car inferred that the driver did 3 times of magic inside the car, and the last magic the magician can spin with the car and can

accurately grasp the moment when it hits the guardrail. The experience is definitely not easy.

By confirming there was only one people in the car, Tatsuya deduced that was a suicidal attack, and the driver was got treated by a 'tool'. This means that Tatsuya also confirms the back of this driver must be a large organization.

Influence

Tatsuya revealed his another identity, the unregistered Strategic-Class Magician of Japan, and a Special Officer of the 101 Independent Magic-Equipped Battalion, Ooguro Ryuuya. (more information about Ooguro Ryuuya is going to be revealed in the Yokohama Disturbance arc).

Logical thk / Persuasion / Conceptual thk / Concept understanding / Critical thk / Social skills / Social Intuition / Emotional awareness / Emotional understanding

While the nine school competition was ongoing, Tatsuya was having an idea about the Melee type of CAD, a Virtual Terminal Device. After having an idea (environmental adaptability) , Tatsuya arranged the FLT to make it. After receiving it, he tried to persuade Leo to use it. However, most of the people in the First High School thought that the Virtual Terminal Device was a negative invention. (let me short it as VTD)

Tatsuya debated with that by using the logic of the VTD. He first said the difference between MAGIC and VTD. Magic is a technology that temporarily rewrites reality with fictional imagination. The VTD is a technology that makes people mistake fictional imagination for reality. Both of them also recognize unrealistic events as real events. On the other hand, using VTD to experience situations does not require labor of rewriting reality, this is the risk of using VTD — VTD can give magicians the illusion that they can rewrite reality with low effort. Immature magicians may confuse the fictional experience in the VTD with the real experience of magic changing things, and misestimate their own strength, and unable to examine why they failed to use magic to change things, and lost the ability and willingness to think.

When Tatsuya started to explain why VTD could be a disadvantage, he did a pause to observe every individual's emotion after hearing the concept of VTD, some showed their misunderstanding, some had understood. This showed that Tatsuya did not really lack social skills. Instead, he knew after saying a large amount of information, the breathing gap is necessary. Even after he said the disadvantage of VTD to the immature magicians, he stopped again to make sure everyone had understood and

made his conclusion. In the explanation of the VTD's effect, Tatsuya showed a good emotional understanding of the immature magicians that they may feel pride in low labor action, and confusion on their own ability and strength.

Perception / Mechanical Perception / Critical thk / Linear thk / Possibilities thk / Inductive rsn / Abductive rsn / Anticipation

Before the accident happened on Watanabe during the race, Tatsuya had perceived that the unnatural depressions appear in the water surface (he discovered that from the screen board). At that moment he anticipated something gonna happen therefore this explained why Tatsuya could make a quick decision to save Watanabe after her accident with the Seven High School.

After all that Tatsuya arranged to find out the reason for the incident. From the beginning, Tatsuya first inferred that the force that causes the depression in the water surface comes from the water. If a magic formula is projected onto the waterway from the outside, the monitoring device will definitely catch it. The natural phenomenon that causes the water surface to dent from the water can only be a leak at the bottom, so this is not considered. The remaining possibility is that someone is hiding in the water causing trouble.

Therefore, after having this deduction, Tatsuya tried to focus on Spirit type magic and old magic, so he found Shibata and Mikihiko due to their ability (Shibata's eye is oversensitive to the psions and Mikihiko is the user of old magic which involved to spirit magic). Tatsuya inferred the possibility that spirit magic is able to delay the activation of magic in hours, and make the water surface sink according to specific conditions, and it was confirmed by Mikihiko that it is possible.

Eventually, Tatsuya re-watched the recording and inferred that the member from Seven High School her CAD may get adjusted by someone that caused her to lose the control of CAD.

Short-term planning / Risk calculation / Cunning / Creativity / Strategy execution / Long-term planning / Setting traps / Prediction / Strategy foresight / Inducement

By knowing Honoka had a Battle board competition soon, Tatsuya got an idea that could make her easily win without touching any rules, by using Honoka exceptional magic ability, Tatsuya arranged Honoka to prepare much more activation sequence of exceptional magic, as his strategy was arranging Honoka to use exceptional magic on

the water to interfere other players. Tatsuya knew that the rules of Battle Board only mentioned it was prohibited to use magic to interfere with other players, but players are not prohibited from interfering with the water to hinder other opponents. And that's why Tatsuya did not adjust any setting of Honoka's CAD, but arranged for her to wear the dark goggles. Overall the strategy made Honoka win the competition easily.

On the next Battle board competition, Tatsuya predicted that other players would make the dark goggles as well, or should say from the beginning Tatsuya was the one inducing them to wear the goggles. Tatsuya aimed to make other players' vision become darker, so he arranged for Honoka to use the exception magic to adjust the brightness of the waterway. Dark goggles already darken the field of vision, and the boundary between light and shadow will make other players mistakenly think that it is the boundary of the waterway, preventing them from entering dark places. In other words, it is to reduce the width of the opponent's water channel. Tatsuya showed setting traps skills in this strategy by inducing other players' action.

2**Formulation speed / Strategy Resilience / Cunning / Contingency / VCI / Divergent thk / Resourceful thk / Observation / Leadership**

When Mayumi and Jumonji arranged for Tatsuya to join the Monolith Code and select the other 2 players, Tatsuya decided to choose Miki and Leo, due to the fact that he didn't have other first course students' ability so is difficult for him to set up a strategy, and also he said 'the skills' of both of them.

Tatsuya knew Monolith Code requires 2 people for offenses and 1 person for defense, he listed out to Leo that he got three things to do:

-to prevent the enemy team from approaching the monolith to within ten meters,
-to prevent the monolith from being opened even if it is hit by the unlocking magic
-to prevent the enemy from reading the password even if the monolith is opened.

(However, Tatsuya knew it's fine to use convergent systematic magic to avoid the opponents cutting the monolith to create and maintain a situation of "still being put together even if divided". In this case, it does not count as "putting it back together again" after the secret monument is divided, and it does not count as a foul. Showed Tatsuya could set up a contingency plan if Leo could not stop the opponent to enter the monolith but also cunning as well)

For attacking, although Monolith Code does not accept the use of physical attack, Tatsuya still formulated another method that was suitable for Leo. He gave a sword to Leo and the operating form of this "sword" is that the front half of the blade moves in mid-air in sync with the movement of the handle. In terms of a magic system, it would be more appropriate to describe it as "the blade extends in a hollow form", but on the surface it looks like the half-broken sword tip is flying around. Since there is no physical connection, the condition of "emitting matter through magic" is met. (“emitting matter through magic” isn’t a foul and Tatsuya observed that from the rules booklet)

For Miki, Tatsuya understood the ancient magic is better on sneak attack that’s why Tatsuya arranged Miki to be the assistant. When they were discussing the strategy planning, Miki showed his confusion and unconfidence in his ancient magic. However, Tatsuya used the advantages of ancient magic to make Miki know his role in this team which avoided the ordering effect in the future and made sure Miki could play out all his skills and power.

VS The Eighth High School
Strategy success rate / Adaptability / Resilience / Thinking speed

For the competition versus the eighth high school, it doesn’t show any difficulties for Tatsuya teams. Overall everything was all accord with Tatsuya's strategy and everyone was doing their own jobs. Here showed the adaptability and resilience in Tatsuya’s strategy that although the eighth high school was good in the outdoor environment, they did not get any advantages when they played against Tatsuya’s team.

Basically Tatsuya used his fast running speed to enter the range of the opponent’s monolith and used the gram dispersion to break the monolith. After all that Tatsuya left the monolith to induce the defender to leave as Tatsuya understood even him could not solve the 512 passwords in that situation. On the other hand, Leo successfully beat the offender from the opponents. Also, Mikihiko showed his importance in this game by using spirit magic to follow the opponent secretly and set up a trap to misdirect the opponent. Spirit magic is efficient in this round as it was hard to find the origin in that situation. Eventually Tatusya beat the rest of the opponent and typed the passwords to win the game against the Eighth high school.

VS The Second High School
Anticipation / Methods / Strategy success rate / Efficiency / Execution / Critical thk / Knowledge

In this round, it showed the anticipation of Tatsuya from a few days before. On the day that Tatsuya was discussing the strategy with Leo and Miki, he asked Miki about whether he could use the perceptual synchrony ability. Here Tatsuya anticipated the coming games may need Miki's long distance attack. To create this 'shared vision' between Tatsuya and Miki, Tatsuya activated the spirit behind him and the spirit was from Miki. Basically in magic, the physical distance doesn't exist, but human beings are bound by the five senses and experience. As long as the physical distance is far, it will feel "far away". This "cognitive" distance is the "distance" of magic.

Therefore, the trick to casting magic at a distance is to make the target "feel like it is right next to you", and it successfully created the perceptual synchrony between Miki and Tatsuya. After all that, Miki successfully found out the location of the monolith. On the other hand, Tatsuya successfully beat the nervous offender and Miki also typed the password for the victory.

Preparation process / PSI / Perception / VSI / Calculation / Anticipation / Strategy Foresight / Setting traps / Prediction / LTP / Thinking speed / Ability

For the last round with the third high school, Tatsuya prepared 2 cloaks and robes for Miki and Leo, which were the medium of ancient magic, and its operating principle is the same as that of engraving magic. The cloaks and robes exert special effects. Wearing it by a warlock can make it easier for magic to work.

From the beginning of the competition, Masaki's attack was suppressing Tatsuya's attack, due to Tatsuya could not 100% show his ability, and also Masaki decided to focus on offense rather than defense. However, Tatsuya still contained Masaki's attack by hitting every spot accurately. As mentioned, Tatsuya was exposed to enemy fire and the attack potency was quite fast. But Tatsuya still could calculate the distance quickly and visualize all the attack spots from Masaki and solved them quickly.

Tatsuya then discovered Shinkurou trying to approach the monolith so he changed his speed to stop him as he predicted the result if he did not avoid Shinkurou's action. However, it was easier to get hit when Tatsuya became closer to the Third high school area and he eventually got hit by the air bullet. About a hundred meters away from the First high school's area, Leo blocked the way against Shinkurou by using the cloaks and this was the reason why Tatsuya prepared the cloaks for both of them – To prevent the attack from the Third high school that they could not expect.

Tatsuya understood the features of the invisible bullet from Shinkurou requires the eyes on target, which set up a trap on Shinkurou before the final round started by

arranging the position of Miki stands. He predicted Leo would stop Shinkurou successfully and Shinkurou would decide to attack Miki instead, at this moment Leo could use his sword from Tatsuya to attack Shinkurou, but eventually Shinkurou got saved by Masaki.

This caused Tatsuya to become closer to Masaki. But Masaki was afraid at that moment due to Tatsuya's sudden attack and approach, causing Masaki to shoot 16 constructive air bullets at Tatsuya (this was a foul in the competition) . At that moment, Tatsuya confirmed that Gram Demolition could not stop this attack but he still refused to use Gram Dispersion to stop due to the risk of secret information. Eventually Tatsuya only stopped 14 bullets by using Gram Demolition. At that moment, Tatsuya's body's self restoration magic automatically started to fix his body (this is a kind of unconscious reaction, not consciously by Tatsuya). After all that, the confused Masaki was standing in front there and could not react to Tatsuya. Tatsuya then used his right hand to create an explosion that rivals a sonic boom grenade, and the loud noise caused the tympanic membrane to rupture and the three semicircular canals to be damaged, causing Masaki to lose the ability to fight. Instead, Tatsuya decided to do this after he reacted when he was getting hit and got fixed immediately.

(As mentioned from Yamanaka Kousuke, the speed of Tatsuya's self restoration has exceed the speed of human's cognition)

Eventually Mikihiko beated Shinkurou and the First high school won the Junior Monolith Code competition.

Critical thk / Deductive rsn / Logical rsn / Anticipation / Cognitive rsn / Sense

Tatsuya had already arranged Ono sensei to do some research on the No Head Dragon organization, which showed before the Monolith Code competition, Tatsuya had already sensed there were some organization tried to interfere the nine school competition, by linking the 'blanche' incident, the truck accidents before the competition, Watanabe's accident and the 3 strange people that he caught with Mikihiko, Tatsuya almost confirmed No Head Dragon had interfered the nine school competition.

After the Monolith Code competition, one of the First high school players Kobayakawa senpai suffered in an accident in the Mirage Bet. Tatsuya knew from Shibata that there were some spirits behind Kobayakawa when she fell down, which Tatsuya anticipated No Head Dragon would have further action to interfere with the First high school.

He wanted to make sure that Miyuki's CAD was fine but it wasn't. He sensed the error from Miyuki's CAD and he concluded that someone adjusted on Miyuki's CAD.

Yokohama Disturbance Arc (V6-7)

Info gathering / Info control

To get more data of the flying magic that was made by Tatsuya himself, Tatsuya decided to announce the magic formula of the flying magic. He understood that other organizations such as the USNA (America + Mexico + Canada) might try to test the flying magic practically after knowing its formula. In the name of 'monitoring the test process', FLT obtained a lot of data on the gravity control magic that was used by the high rank magicians, and all of them were gathered in Tatsuya's hand now.

Social Awareness / Inductive rsn / Sense / Intuition / Inducement / EQP / decision making / EQM / Interpersonal intel / EQU / Problem Solving

In the conversation with his stepmother Shiba Sayuri, Tatsuya sensed that Sayuri won't meet him for no reason, based on his understanding of Sayuri's history in the Yotsuba family and their relationship. Therefore after Tatsuya saw Sayuri bring up the relic 'Red Magatama' over him, he sensed that it was involved with the Wehrmacht based on his intuition, and asked "where was this unearthed?" to Sayuri and she answered "I have no idea". That's the answer Tatsuya expected.

Although knowing that the 'red magatama' could save magic formula in, Tatsuya still doesn't think it's necessary to put it in the first rank to complete as his aim now was magic storage function instead of copy the formula of 'red magatama'. By trying to force Sayuri to leave, Tatsuya first suggested she bring the 'red magatama' to the Third Division of FLT. He understood that Sayuri would not accept this as she might concern the inner relationship of FLT, and also won't accept Taurus Silver has more influence than them (Sayuri and her husband). Tatsuya understood all this and perceived that Sayuri was confused about it, which wasn't calm enough. Eventually, Tatsuya said "Or can I keep this sample?" to force Sayuri to make the decision. As Tatsuya knew Sayuri all wanted to successfully copy the relic with the power of her own company. Tatsuya's suggestion means he's gonna keep the relic for his own research and this sounded to her like it was too much. And now Tatsuya successfully made Sayuri leave his house.

Anticipation / VSI / Thinking speed / Deductive rsn / Abductive rsn / Perceptual rsn / Hax / Decision making / Analysis / Data analysis / WMI / Battle IQ

After all that, Tatsuya anticipated the safety of Sayuri as she was bringing the relic with her, which might have been a possibility for some people who desired to attack her. Sure enough, Tatsuya found two guys trying to attack Sayuri's car. Tatsuya realized that they were stowaways as if they were the residents in Japan or any place, they would not choose to commit this under the CCTV. After Tatsuya beats those two guys, he gets attacked from a long distance with a sniper. Although Tatsuya was trying to avoid it, the supersonic bullet still penetrated his body. Fortunately his reflex helped him to avoid hitting the crucial.

Tatsuya then hid behind Sayuri's car and started his analysis. He first confirmed the sniper distance was quite far as the sound of the gunfire was conveyed a little far. Tatsuya then inferred the sniper's target was a group of commercial buildings across the river based on the direction of the bullet and the arrangement of the obstructing buildings, which was about 1000m.

Although Tatsuya could not detect the exact location of the sniper as the opponent did not use magic. Tatsuya decided to ignore the collection of the two guys from the opponent instead of clearing the threat from the sniper first. He sensed the bullet that hit him and analyzed the body fluids, body resistance, effect of wind, gravity, air pressure at launch. Tatsuya analyzed those data and selected the coordinate information. "From bullets to ballistics to snipers, this is a job that goes back in time to remember the 'world' of information. Based on the location information when the sniper fired, in the Information body dimension of the 'world' itself that records the information of all things in the world, the current coordinates are found according to the situation change records engraved in it." In simple terms, at that moment Tatsuya analyzed all the types of information from only the single bullet as that was the 'world' amount of info, it consists of 'self', 'opponent', 'natural' and the bullet itself.

Tatsuya then successfully discovered the sniper and sent Sayuri to the station. After all that, he reported the location of the sniper to Kazama as he sensed that the skill of the sniper was rare even to put it in world scale. (eventually Tatsuya still received the red magatama as Sayuri was afraid that someone else would attack and rob her, so she gave it to Tatsuya for safekeeping).

(In chapter 3 of this arc, Tatsuya constantly gets attacked by some hacker through the internet. He then knew that from last month to the beginning of this month, Yokohama

and Yokosuka were constantly having smuggling cases. He also suspected that the hacker was aimed for the document of magic theory, which at that time it cannot be denied that it was related to the essay competition)

(In chapter 7 of this arc, while Tatsuya decided to leave the Red magatama in FLT, he sensed there was a crow familiar spirit following them. After he and Miyuki cleared that familiar spirit, Tatsuya confirmed that someone was targeting the red magatama. But Tatsuya realized the real face of this case might involve the risk and reward. After all, FLT got an internet attack.)

Setting traps / Formulation speed / Thinking speed / Decision making / Prediction / Acting skills / Info control & gathering

After receiving the secret information from Koharu, Tatsuya went to the Robot Research club to do the debugging job. When he started working for an hour, he started to feel sleepy, and when he tried to take a deep breath, he felt more sleepy. Basically Tatsuya's body would start self-healing when his body condition is low, so Tatsuya did not get much problem. After fixing his body, Tatsuya started thinking why he was feeling faint. He recalled that everything he ate and drank did not contain any poison substances, he concluded that there's poison gas, which the air conditioning system was tampered with.

Tatsuya could not decompose the poison substance in the air due to the avoidance of his secret magic. Tatsuya arranged for Pixie to turn on the forced ventilation device and suggested this was a secondary disaster, and also arranged for "not allowed to block outsiders from entering in order to prepare for others to come in and rescue". Tatsuya here had already predicted that someone would enter later and to know who it was, he pretended to be sleeping and observed the intruder.

Tatsuya also set a trap for the intruder that he knew Pixie would send the manual alarm as this was an action taken by the machine based on its own judgment, so it can be considered 'automatic' as well. And this alarm made Chiyoda Kanon come to check and found out the intruder was Sekimoto. After Kanon arrested Sekimoto, Tatsuya silently copied the record of the Pixie's monitoring command, and deleted the main file. His true aim of this action revealed in p.5 of chapter 7 that he gave the copy to Fujibayashi for further investigation.

VSI / Perceptual rsn / Abductive rsn / Inference

When Tatsuya, Watanabe and Saegusa were in Sekimoto's room, the board in the room showed that someone invaded. Saegusa asked the direction of the intruder, and Tatsuya operated the LPS terminal device and discovered the opaque evacuation route in the 3D map. Tatsuya inferred the current location of the intruder reversely by using the route. Here Tatsuya did not use his sense ability, he just used the information from the 3D map and inferred the exact location was near the third floor of the east staircase. This was proved by Saegusa's ability that was exactly correct.

(**VCI, Abstract Thinking, Stress tolerance, Mental fortitude, AQ**: as we know the essay competition was the basis of the Yokohama disturbance arc, and the difficulties of the essay competition were harder than most of the real life essay comp. It was a scientific essay competition, required a great knowledge of magic (science), and the topic that the First High School had was one of the three major technical problems in aggravated magic, Gravity Controlled Magic Thermonuclear fusion reactor. It showed the difference of this essay competition with the normal one, as it was a world scale level of magic problem, which not only wrote an essay, but also needed to add the experiment. Besides the preparation of the essay competition, Tatsuya also needed to use his ability to analyze and copy the Red magatama and transfer them into chemical formulas. In addition, he also paid much attention to spy from other place, even Tatsuya was still very tired mentally, showed his feats in AQ)

The beginning of Yokohama Disturbance incident

While having a conversation with Kichijoji after their presentation in the essay competition, the sound of an explosion cut off their conversation. Tatsuya realized those sounds were from the grenades **(Musical Intelligence)**, and the location was around the main entrance. Tatsuya could identify those explosion sounds and the vibrations as he had already experienced those sounds and vibrations many times in the army. Tatsuya at this moment anticipated that this incident may be related to national institutions of other countries.

Tatsuya then heard the multiple gunshots sound and identified they were the high-power rifle to deal with magicians **(Analysis, Musical Intelligence)**. Tatsuya excluded that this incident was from the regular army of a small country as they would not be able to equip with such weapons **(Linear Thinking)**. Tatsuya then almost confirmed the enemy was a lackey of the Great Asia Union, probably the Great Asia Union army, but he was confused why they would do this exaggerated move.

Meanwhile, those troops attacked the lecture theater. As Tatsuya and Miyuki were standing in the aisle, they were ordered to lay down their CAD. Tatsuya started

observing the man that was trying to attack them and looked at him with cold eyes to make the man feel anxious and shot at Tatsuya. In about 3 meters range, Tatsuya caught that bullet with his own hand and used a high speed to catch the 2nd and the 3rd bullet by using only his own hand, then Tatsuya used his own hand to chop off the man's arm and hit the man's heart **(strength, reflexes, Ap, counterattack but it still his magic ability anyway that he decompose the structure of the bullets).**

When faced with the other group of troops, Tatsuya and Miyuki used their duo magic to make those guns unavailable and charged into the guerrilla position and started wielding his magical two-handed sword. Tatsuya understood that the shocking scene of chopping off a human body with bare hands would create a fear of the guerrilla. The psychological impact on the guerrillas is far greater than when the teammate was knocked down by a gun **(Decision making, psychological manipulation, direct manipulation)**. Therefore, Tatsuya did not use the long-range shooting magic instead of using close-range magic to induce the other party to lose control.

After Mayumi left, those who stayed in the battle were involved and injured, Akira and Kirihara were involved in bullets and grenades attacks. If they don't get any treatment immediately, they might die in this battle. Therefore, Miyuki decided to call Tatsuya for help. Here I should explain Tatsuya's Regrowth / Reorganization ability. To use this ability not just requires the hax but also analytical and reasoning skills. Abductive reasoning for starting tracing the change history of individual information units to confirm the recovery timing for the individual, and this process is extremely short **(Thinking speed)**. Analytical skills after analyzing the information of the individual before being injured and copied it to Eidos. Then the information recorded as injured is overwritten with the information before the injury. In simple terms, Tatsuya analyzed the information before the injury and deleted it to create the non-injure condition. As Miyuki explained, Tatsuya needs to analyze all types of data in the Eidos. **(Abductive reasoning, analytical thinking, Thinking speed, Cognition)**. In addition, when Tatsuya is using regrowth, he would experience extreme pain in processing, since he needs to analyze all kinds of things about the individual, including the pain that individual experienced. Also, it is not normal pain. The pain information is not transmitted through the brain, but directly recognized by the spirit **(Adversity Capacity, Mental fortitude)**, and that pain is much higher than the individual experienced, as Tatsuya needs to concentrate the information into 30 seconds. In this case, he experienced 150 times more pain than Akira. However, he could manage those emotions so well that no one knew his pain except Miyuki **(Emotional Management)**.