

Examination Guidelines in Manga

AI/IoT Edition



Ai

President of a venture company that develops artificial intelligence software.
Very energetic and maverick.



Ota

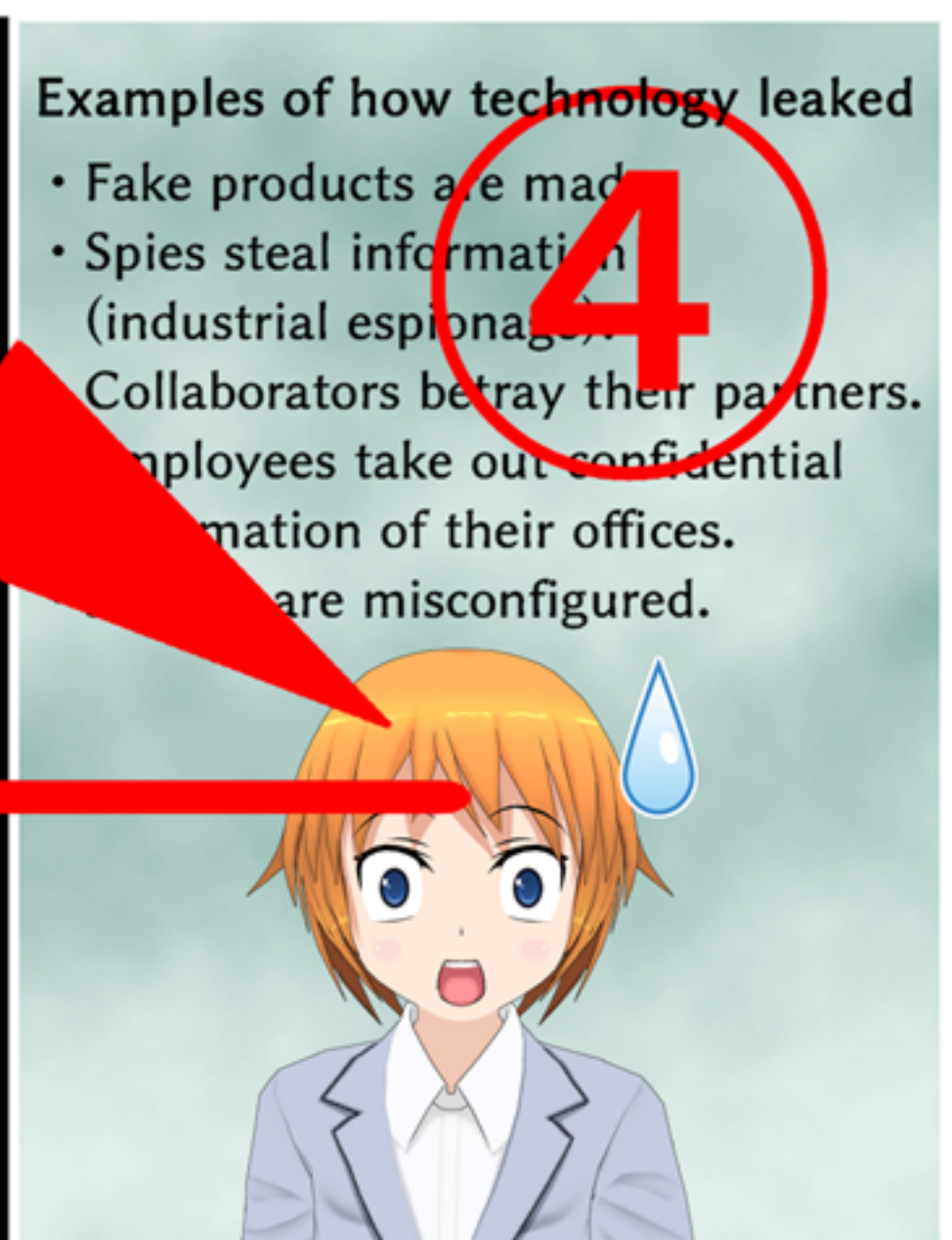
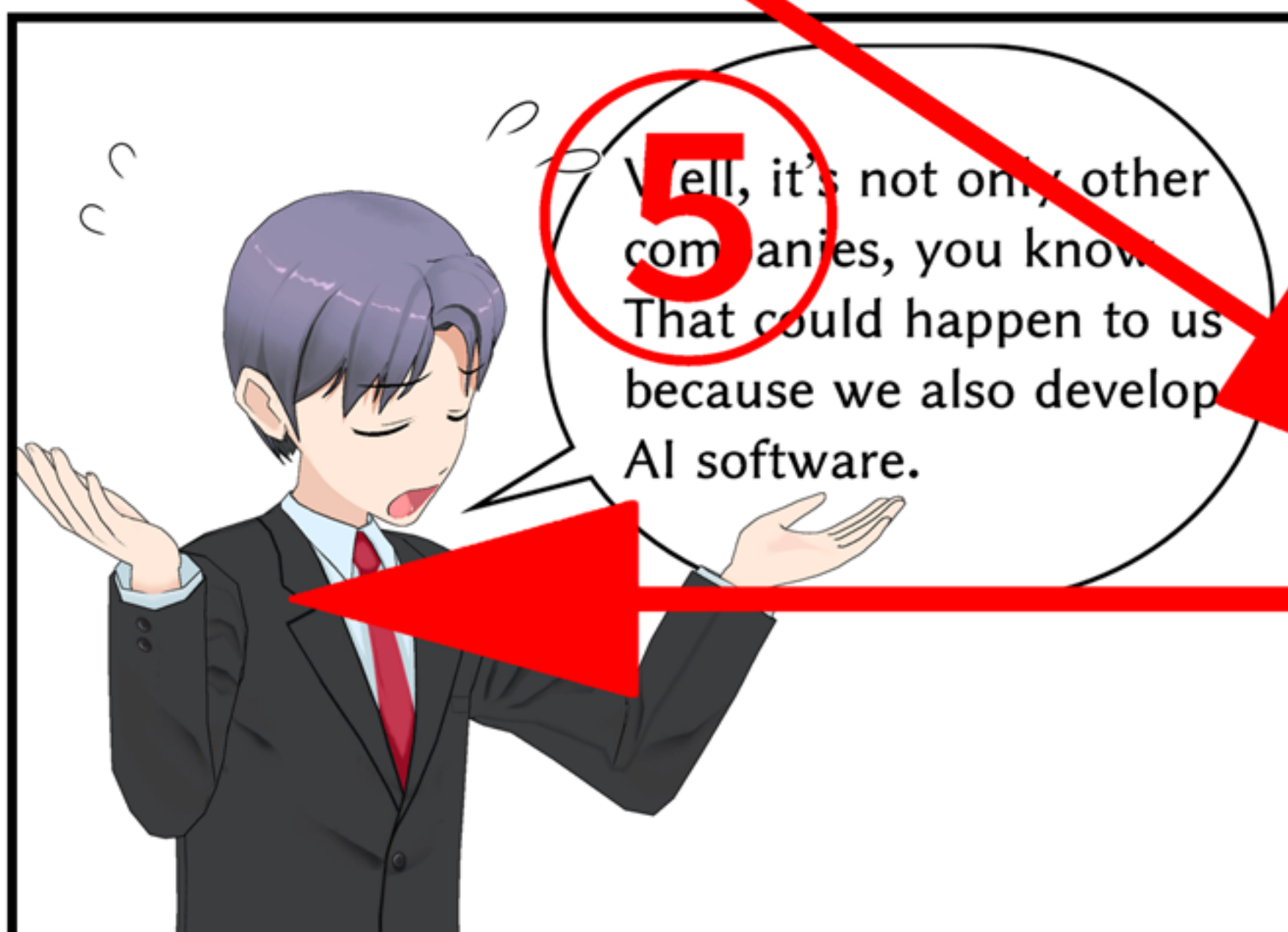
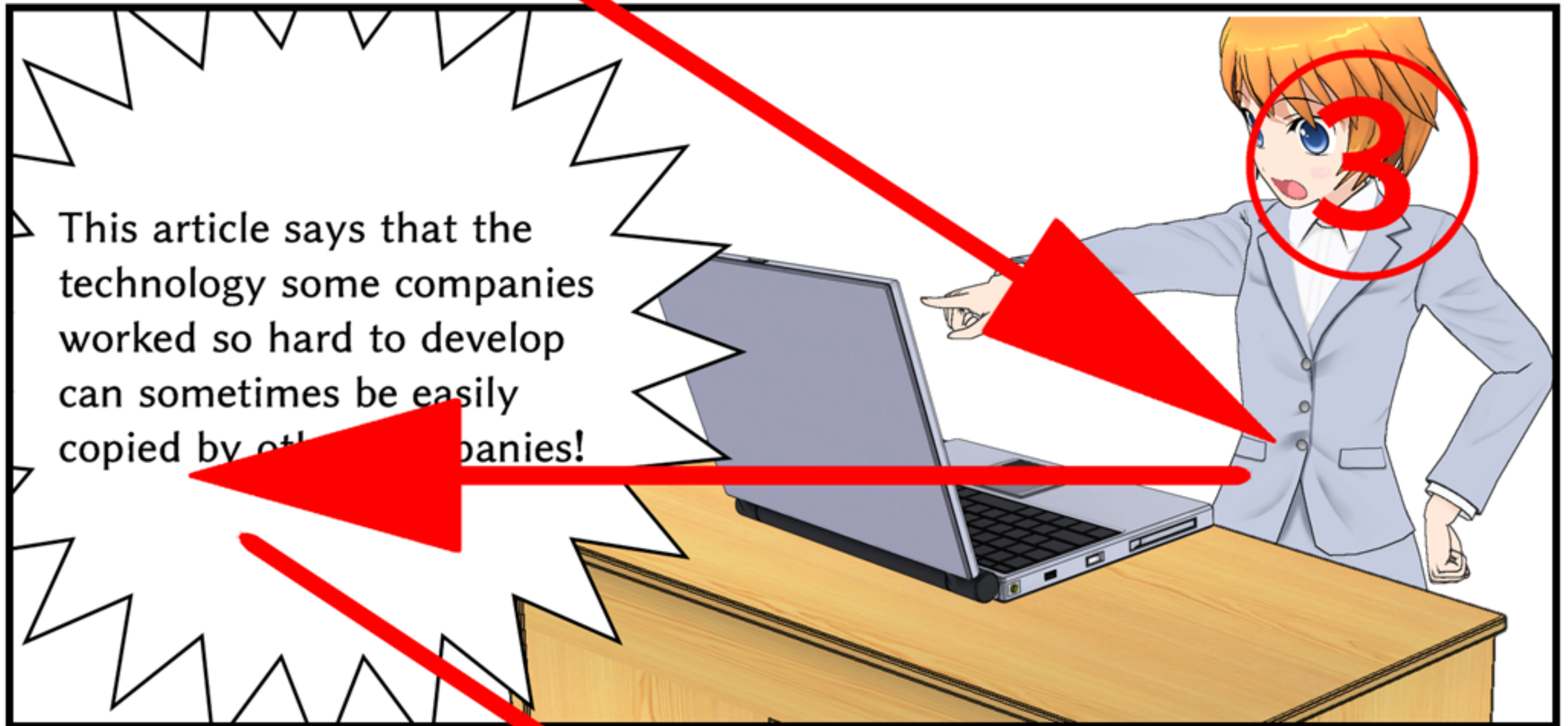
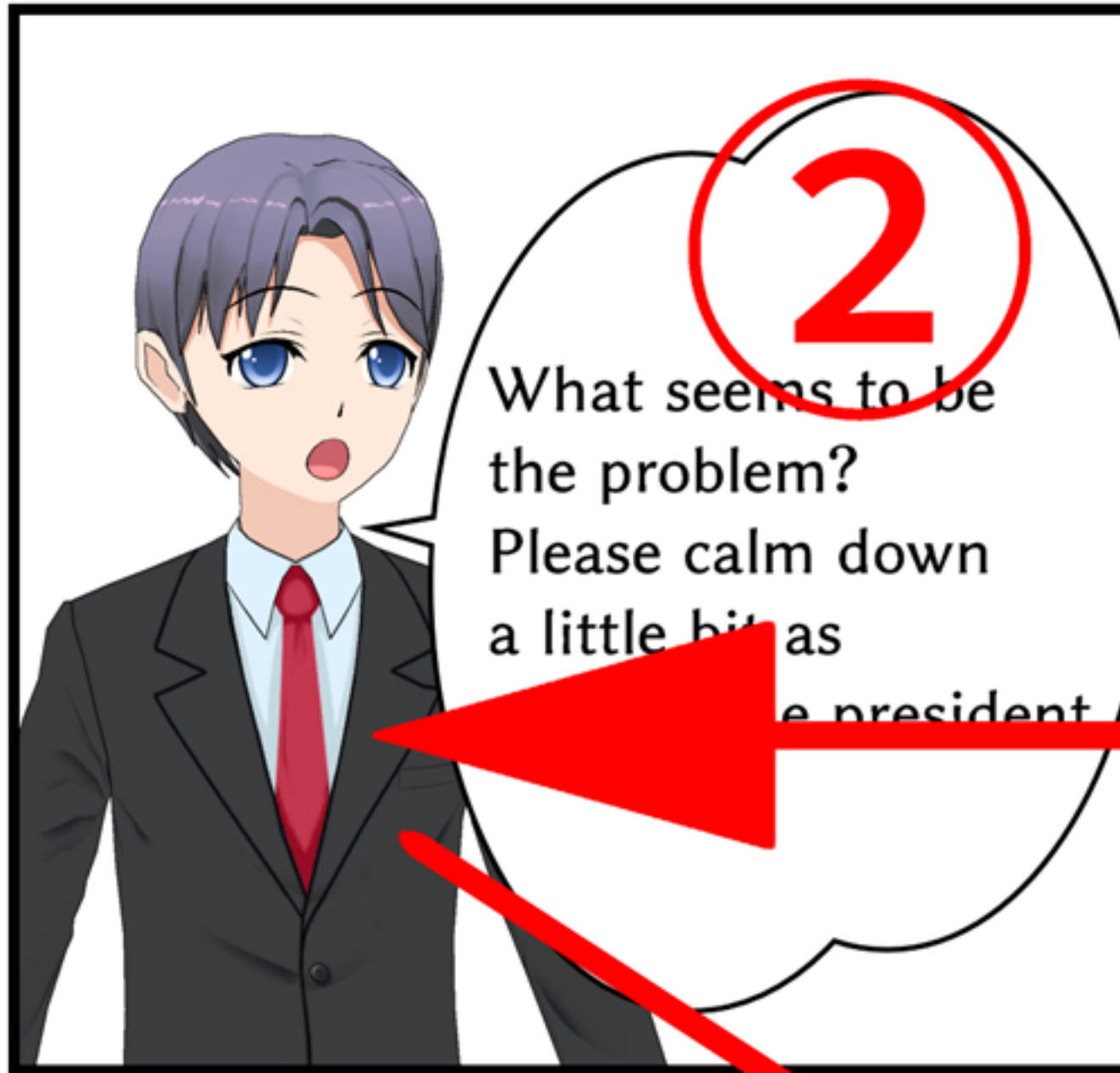
Young staff member working at Ai's company with law degree.
Gentle character, always having trouble because of Ai's constant demands.

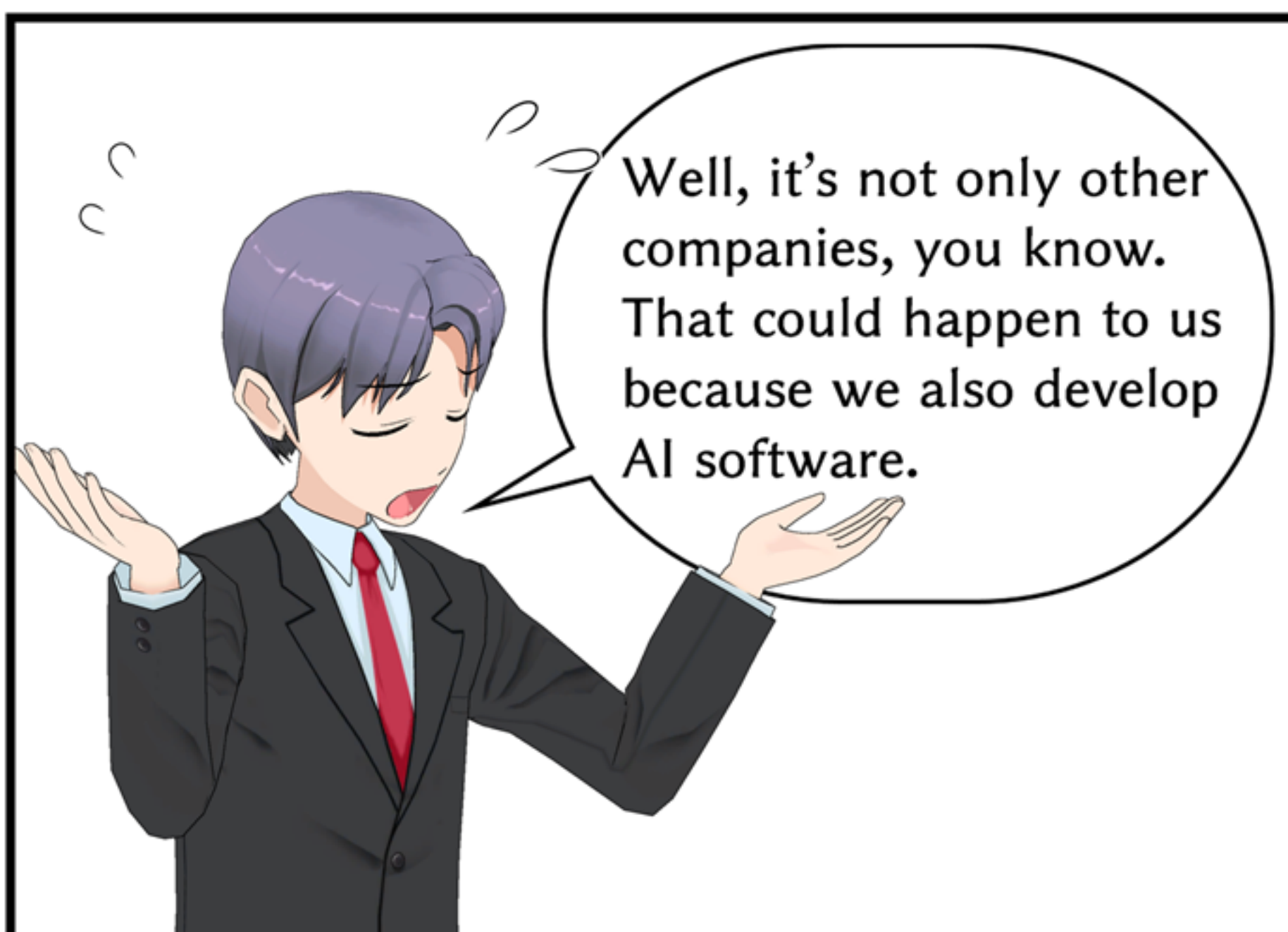
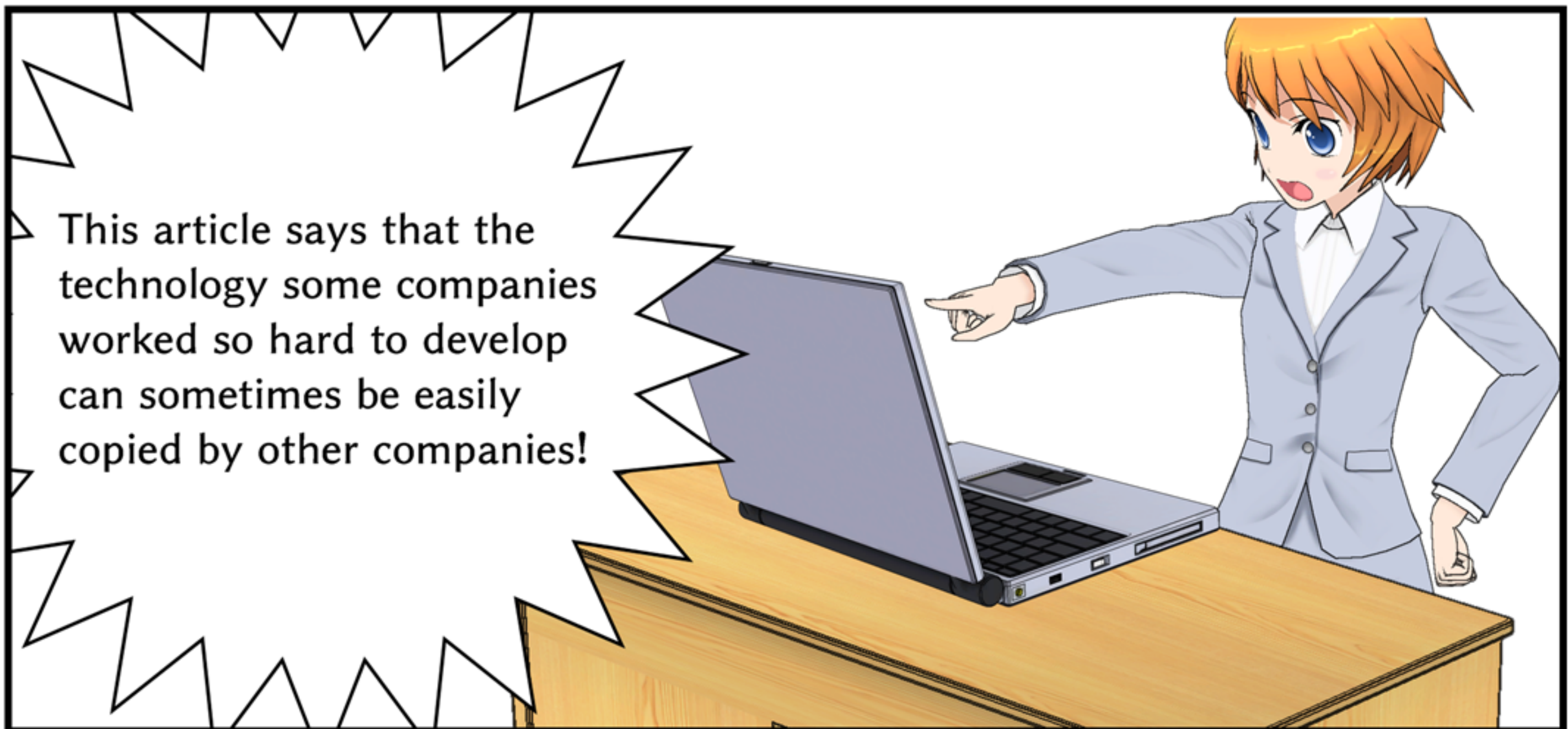
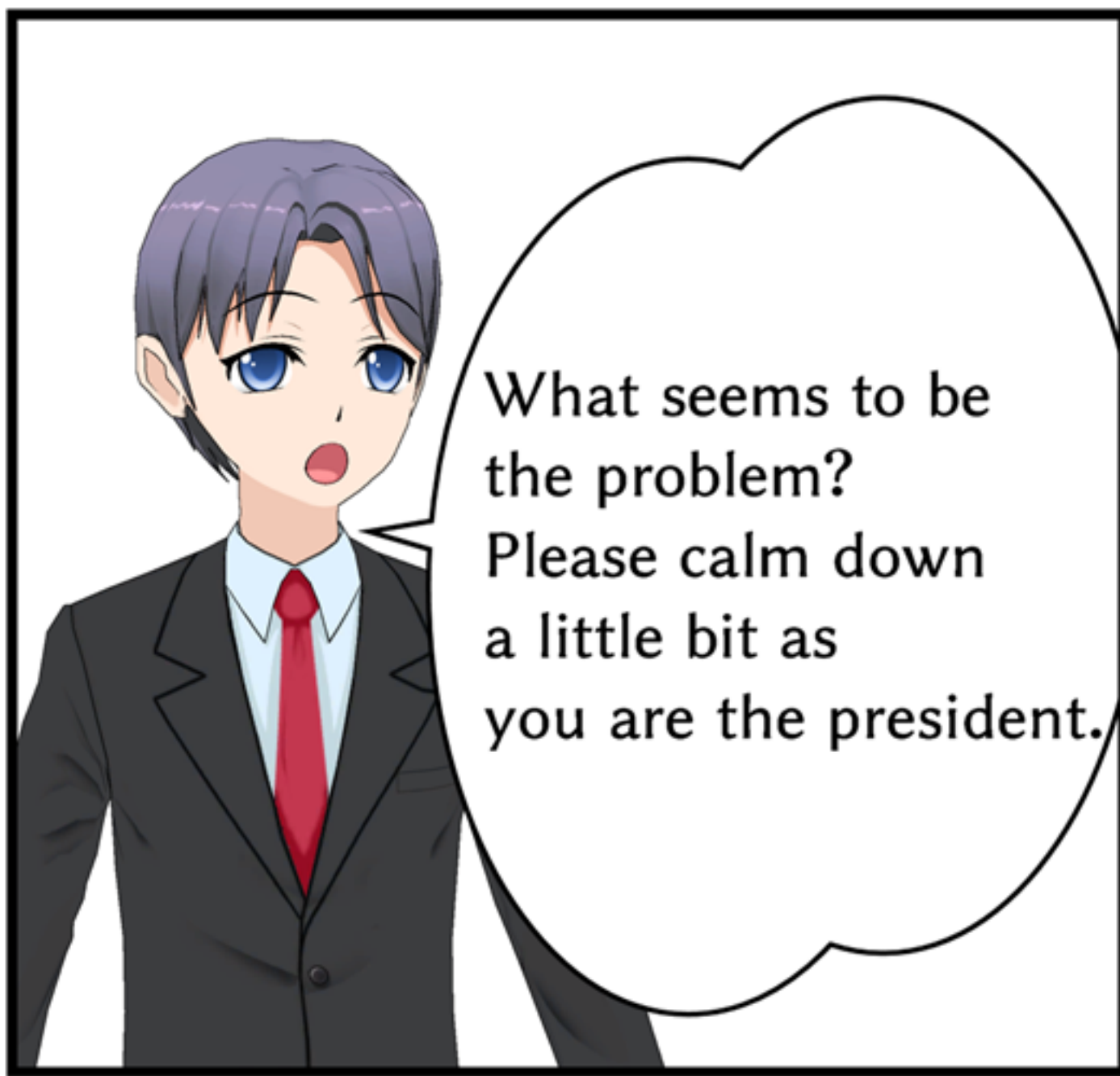
Shinsaki Jun

Patent examiner at the Japan Patent Office.
Ota's reliable senior at university and gives Ai and Ota useful advice on how to protect their AI software.



How to read this Manga





Examples of how technology leaked

- Fake products are made.
- Spies steal information (industrial espionage).
- Collaborators betray their partners.
- Employees take out confidential information of their offices.
- Servers are misconfigured.



That's why
I'm telling you, Ota.
Do something about
it, please!



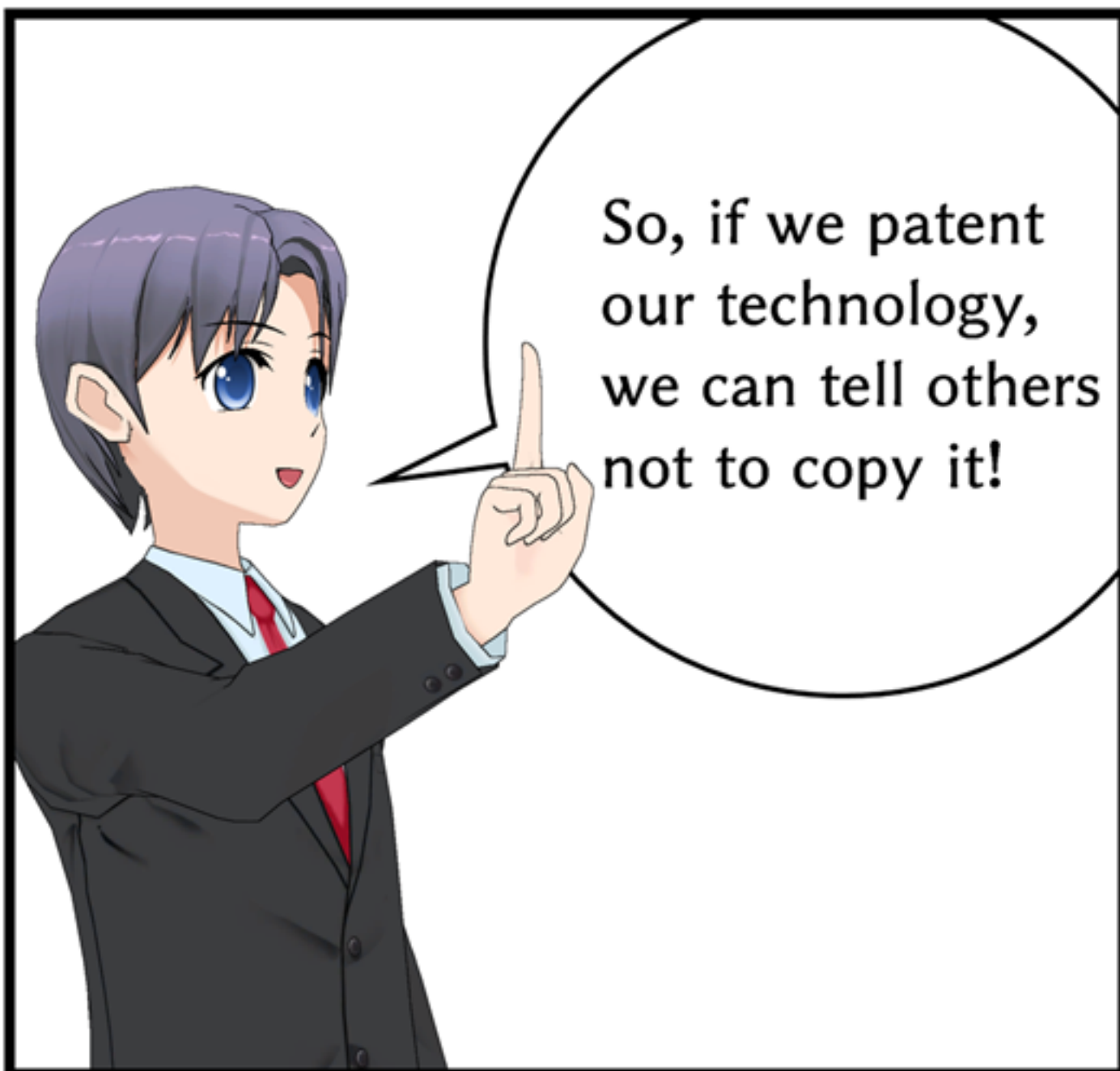
What??? Me?
That's something the legal department
should do.



Ah ah... alright.
Let me check it out.




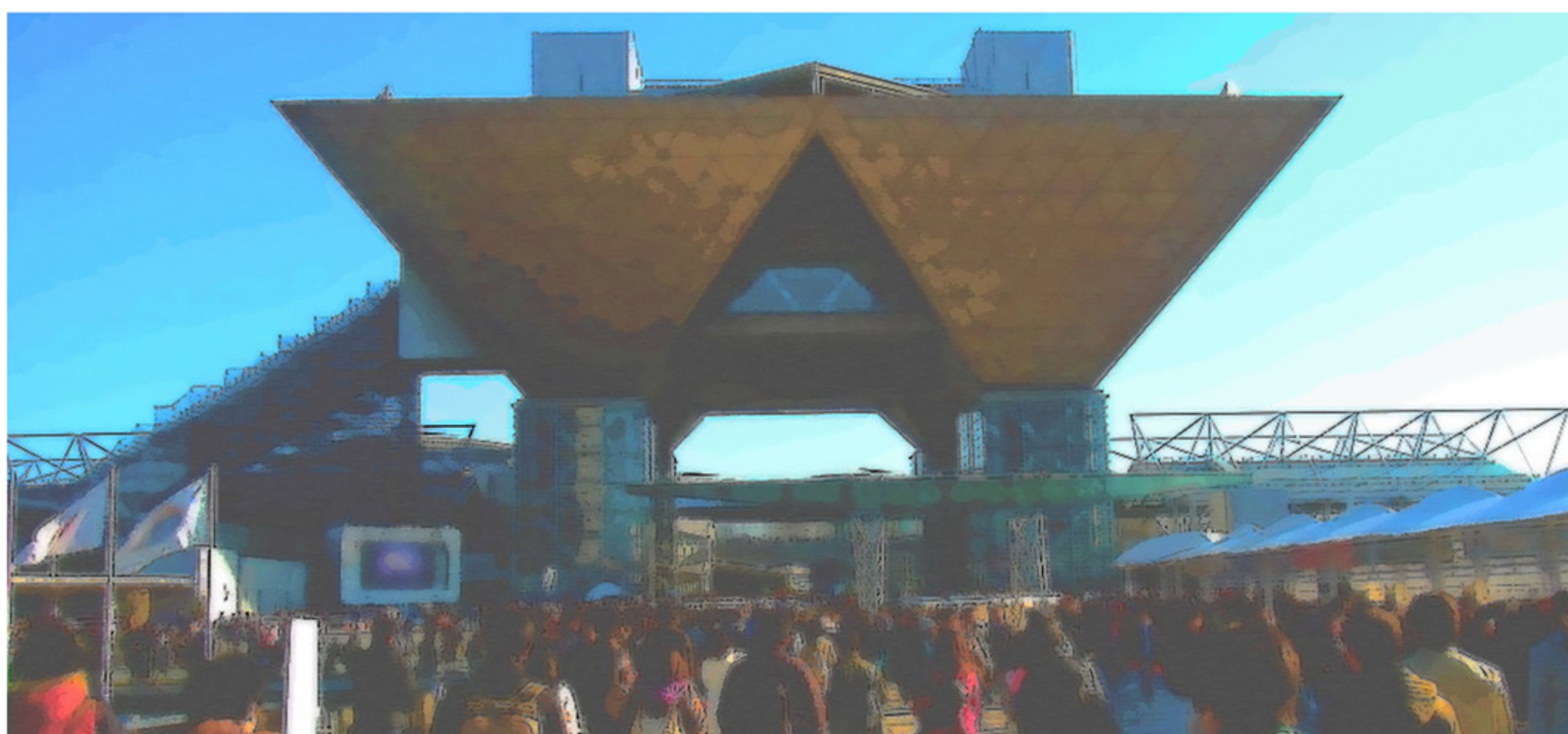
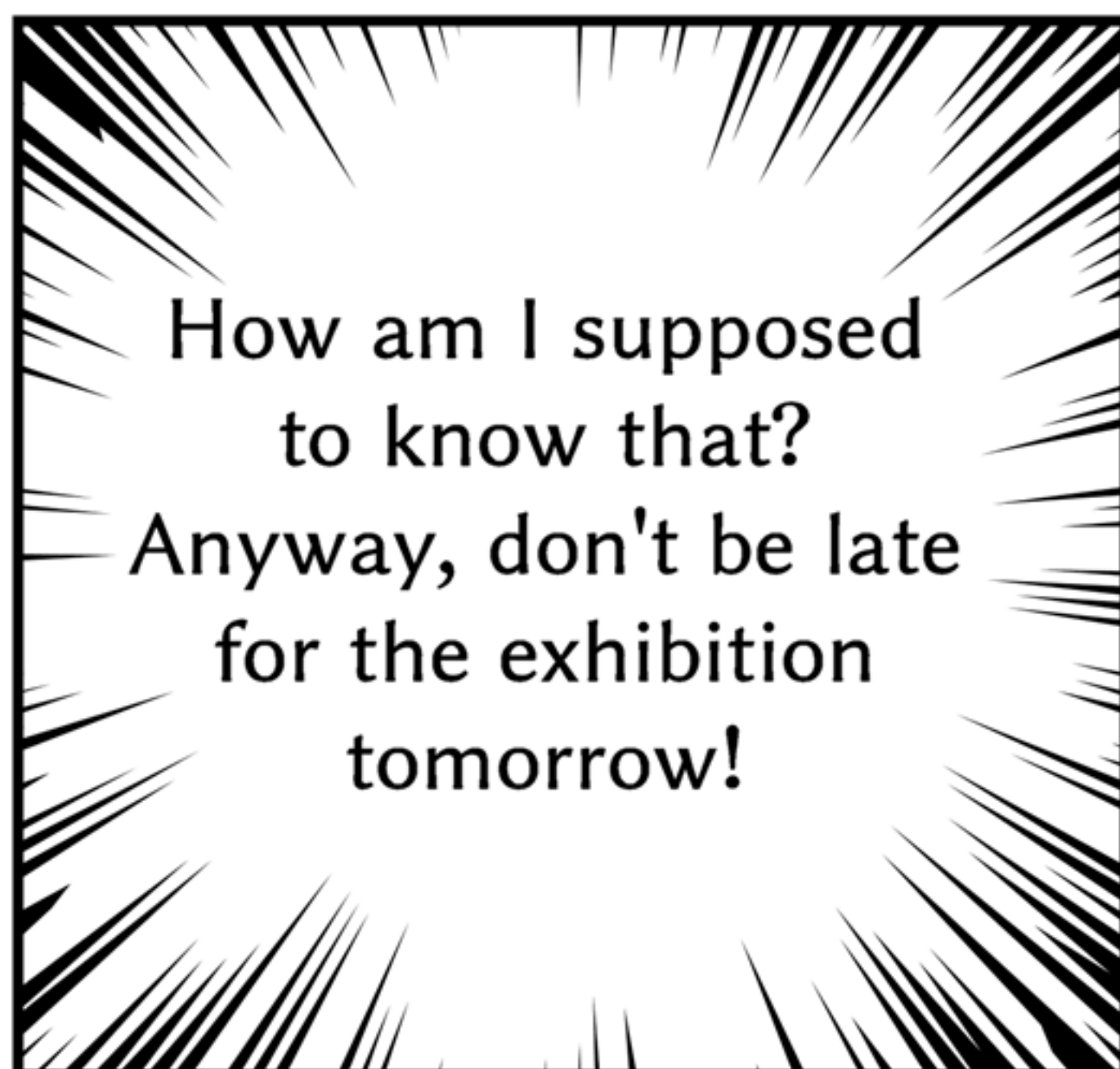
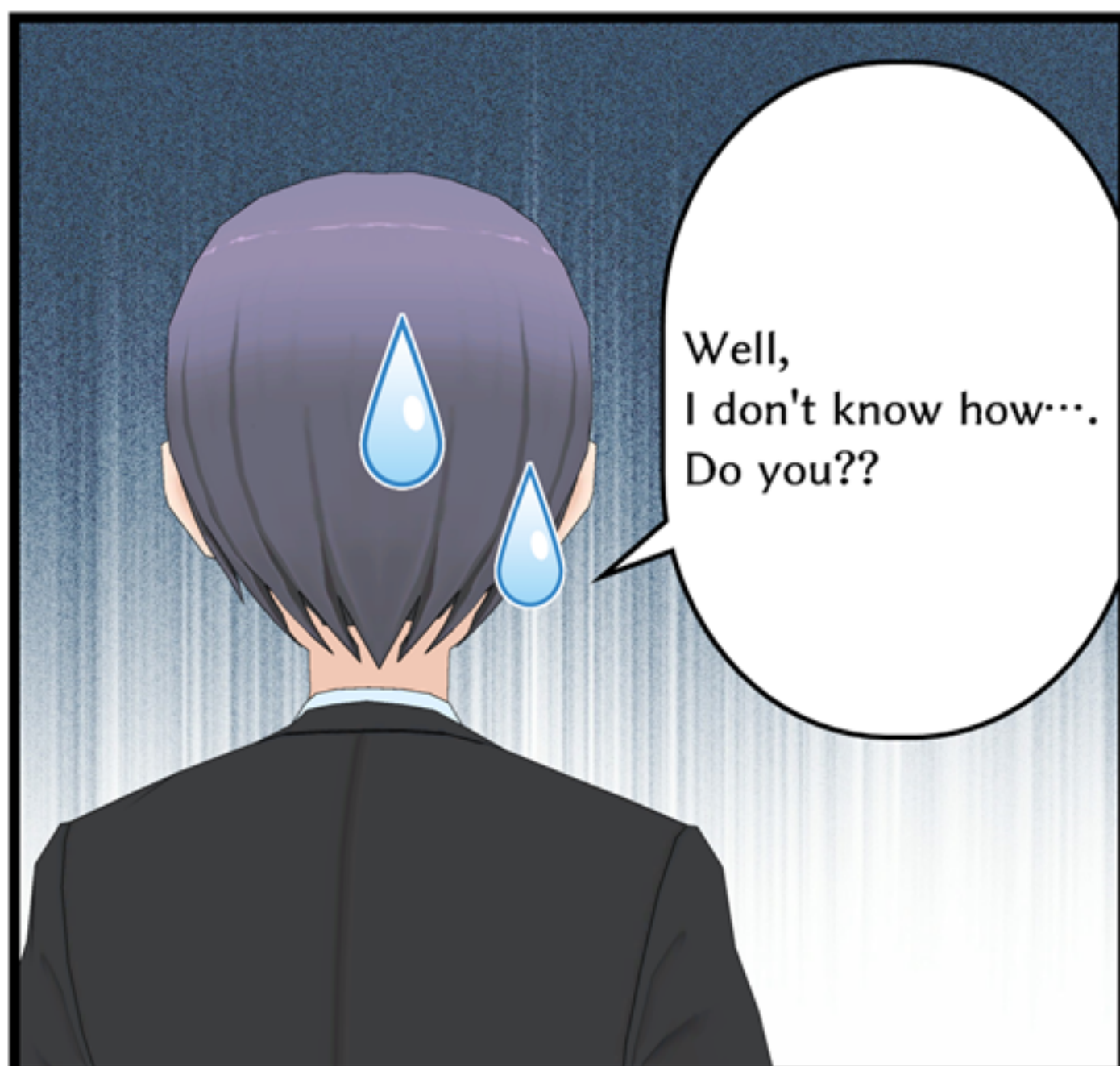
Get real!
You know a small venture
company like ours doesn't have a
legal department.
You have a law degree, right?
Do something! Now!



What happens when you get a patent?

1. Injunctions against infringements
You can stop anyone from using the patented technology without permission.
2. Damages
You can claim compensation for what has already been used.
3. Licensing to third parties
You can earn license income.
You can utilize cross-licensing.
4. Showcasing the technology
You can provide a sense of security to your customers and partners.

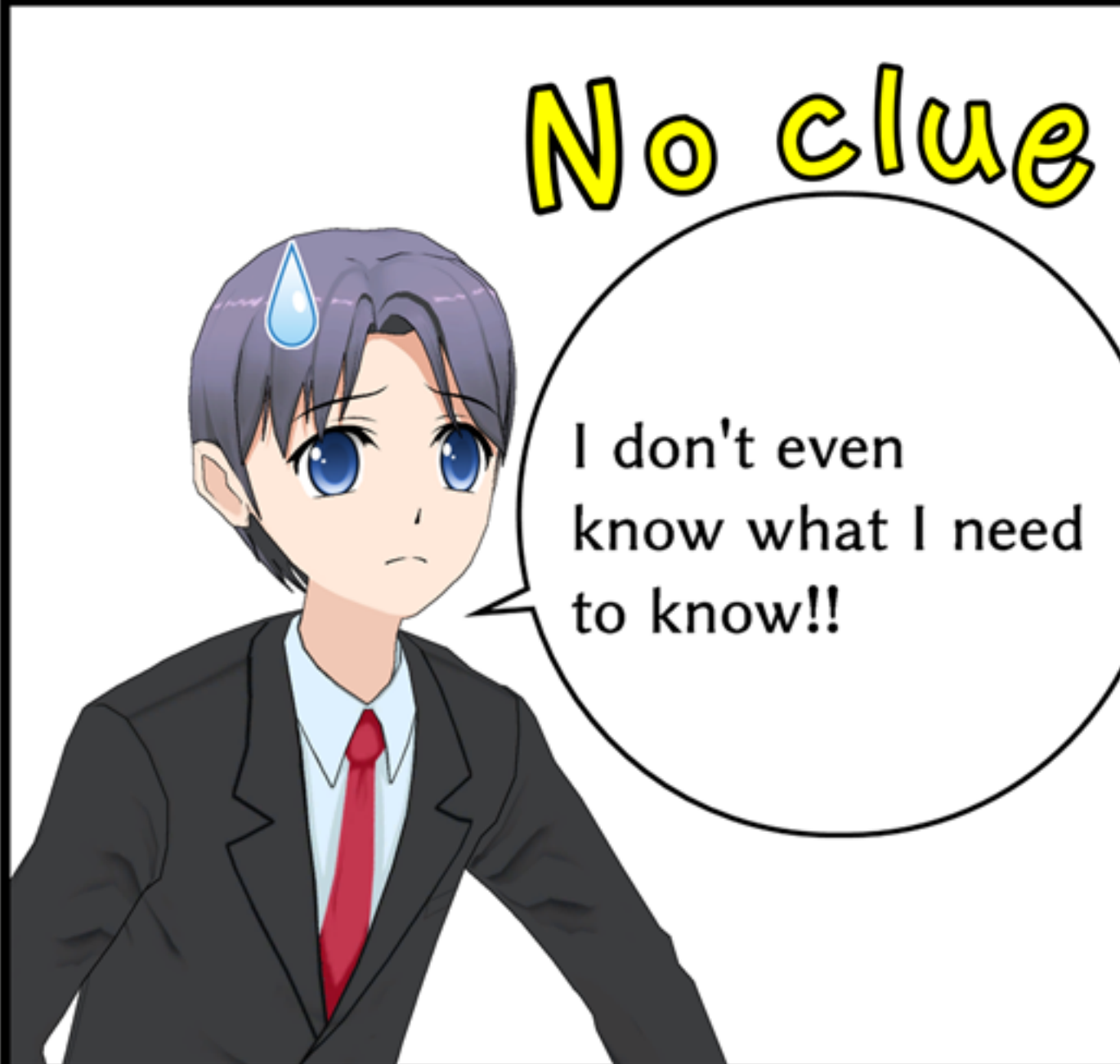




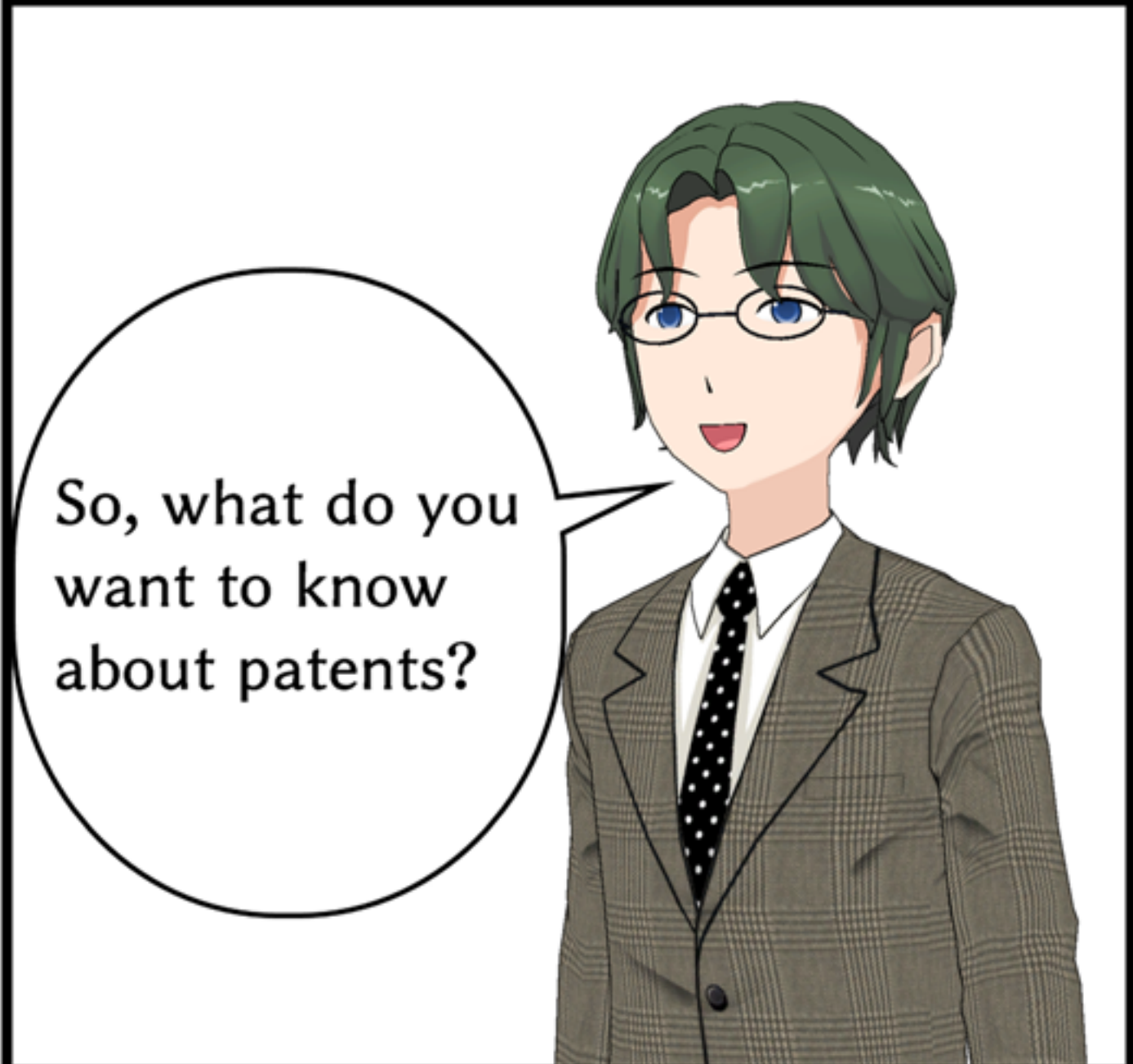





No clue




I don't even know what I need to know!!



So, what do you want to know about patents?

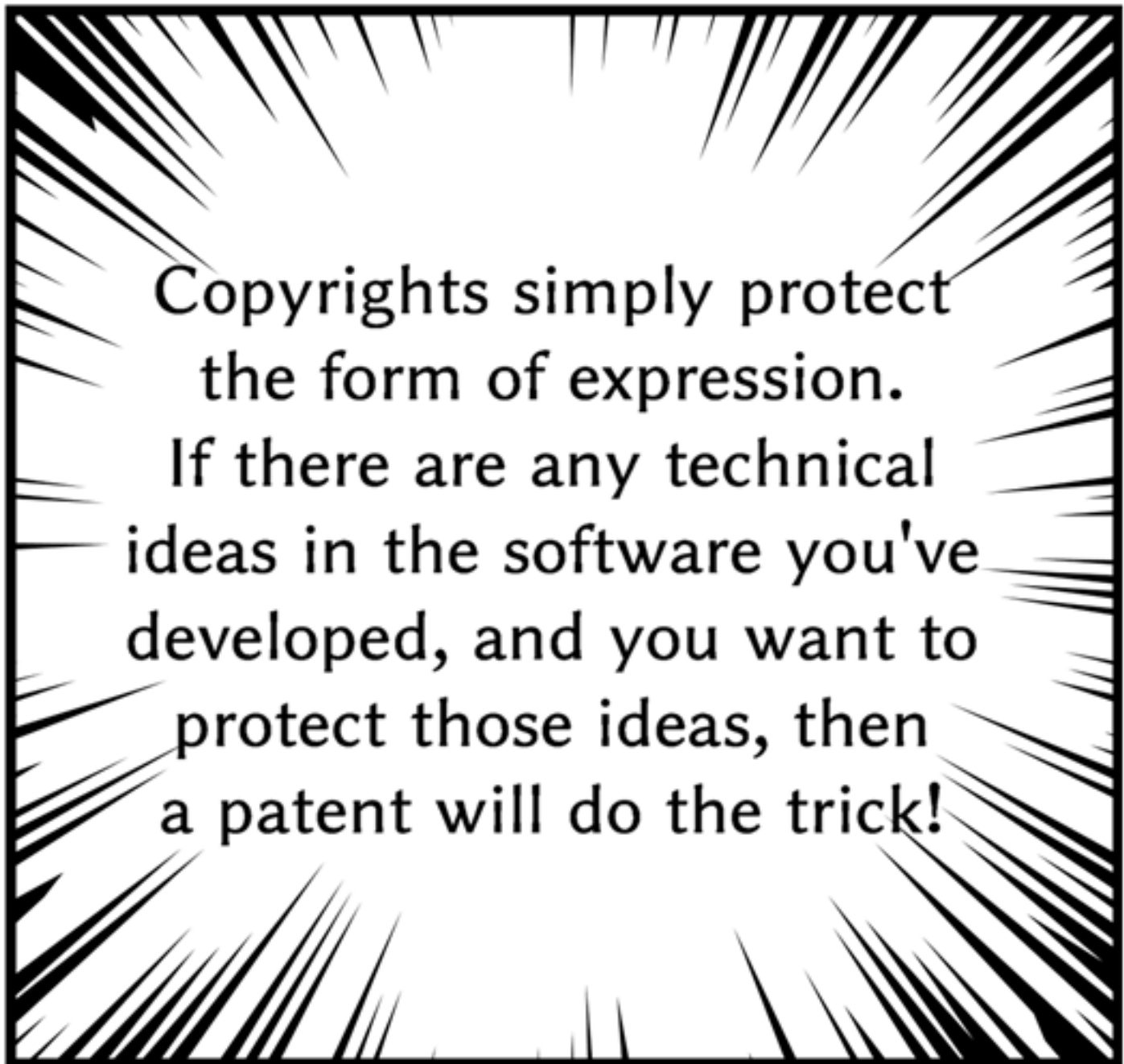
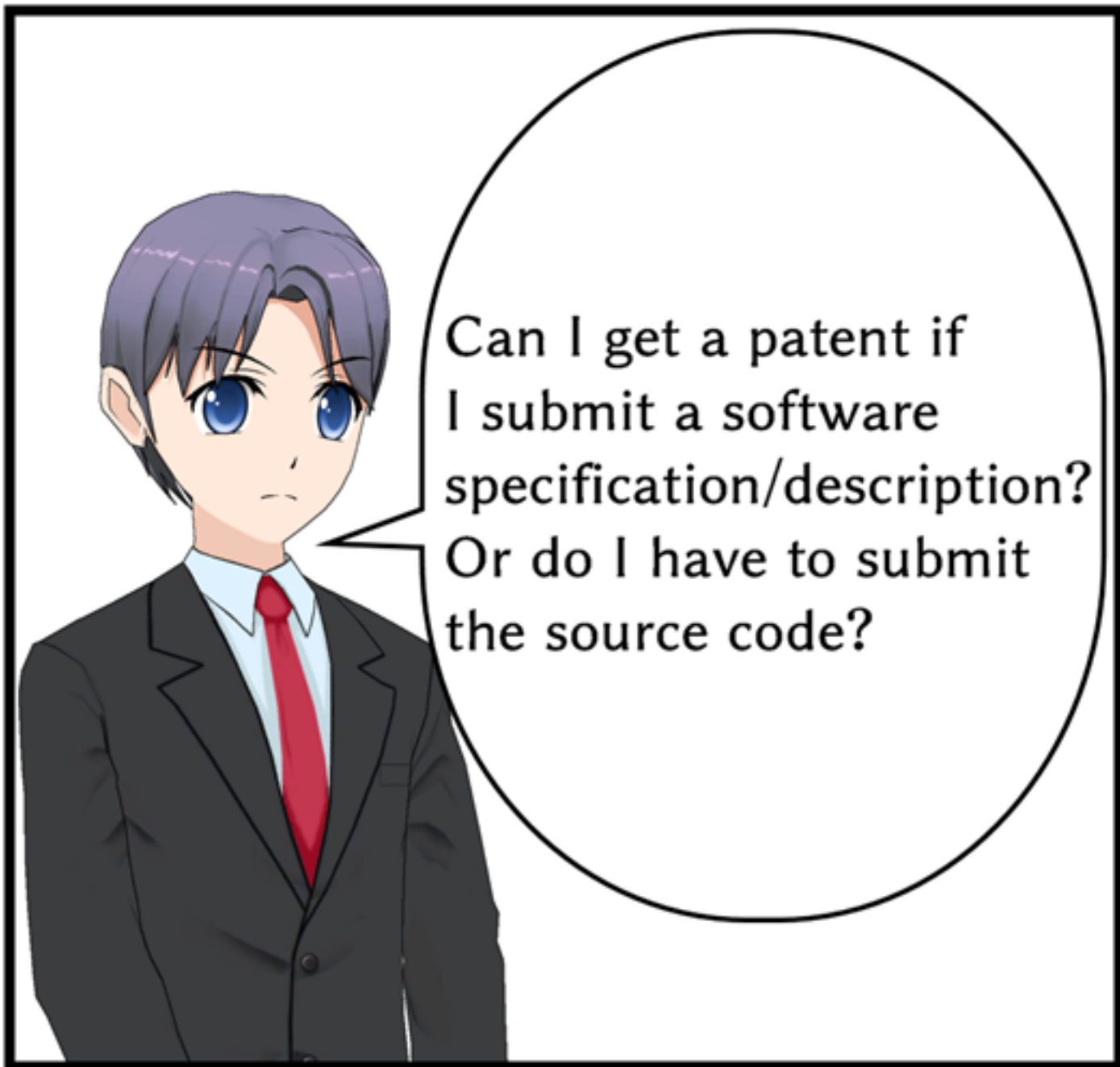
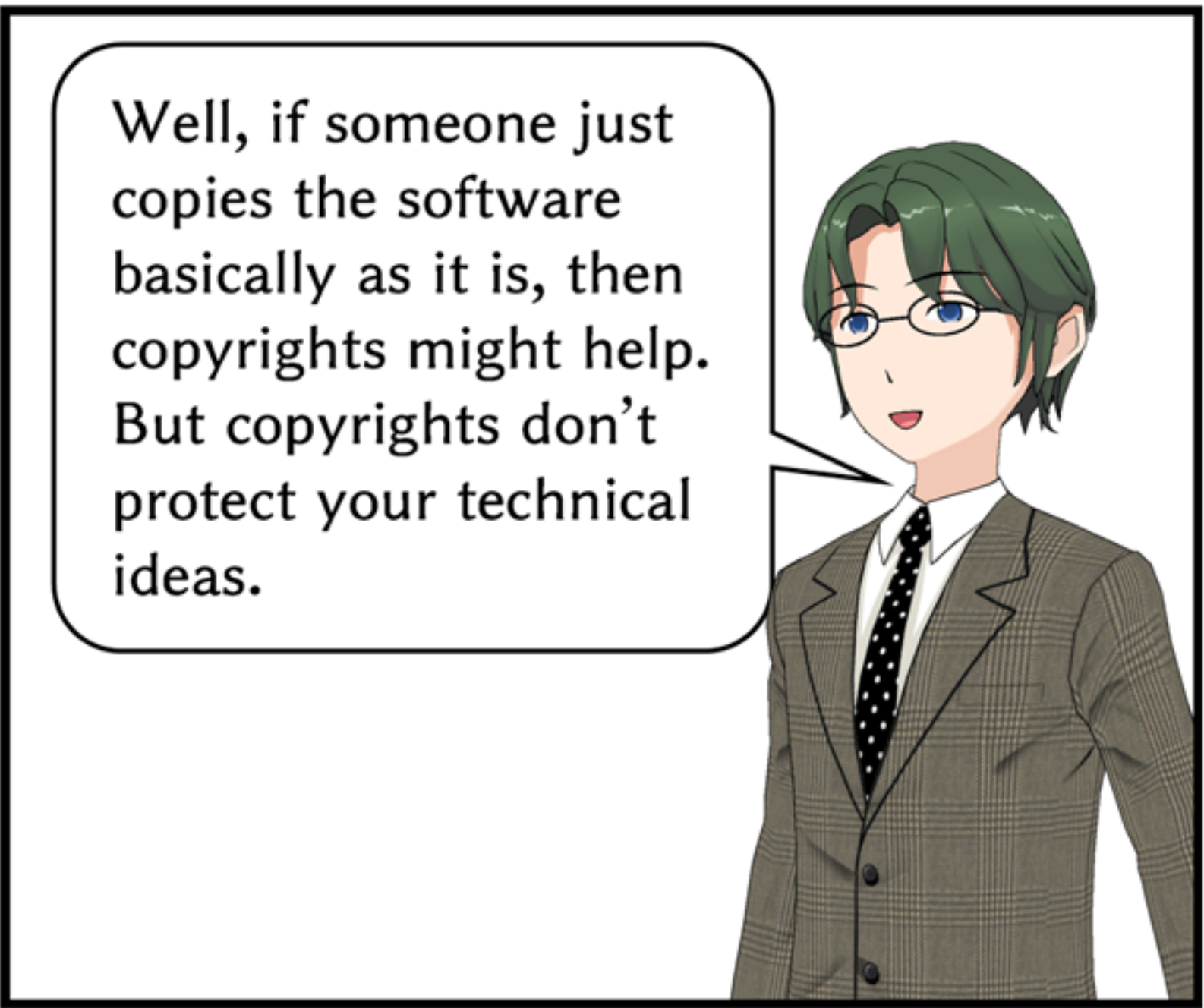


I'm wondering if we should get a patent to prevent anyone from copying the software we've developed. You see, we are a small company and there is no one who knows much about it.



What about getting copyrights? When you start software applications in computers, you get a warning that copying without permission is copyright infringement, right? So, why don't we just protect our software with copyrights? Is it really necessary to get a patent?

What about getting copyrights?



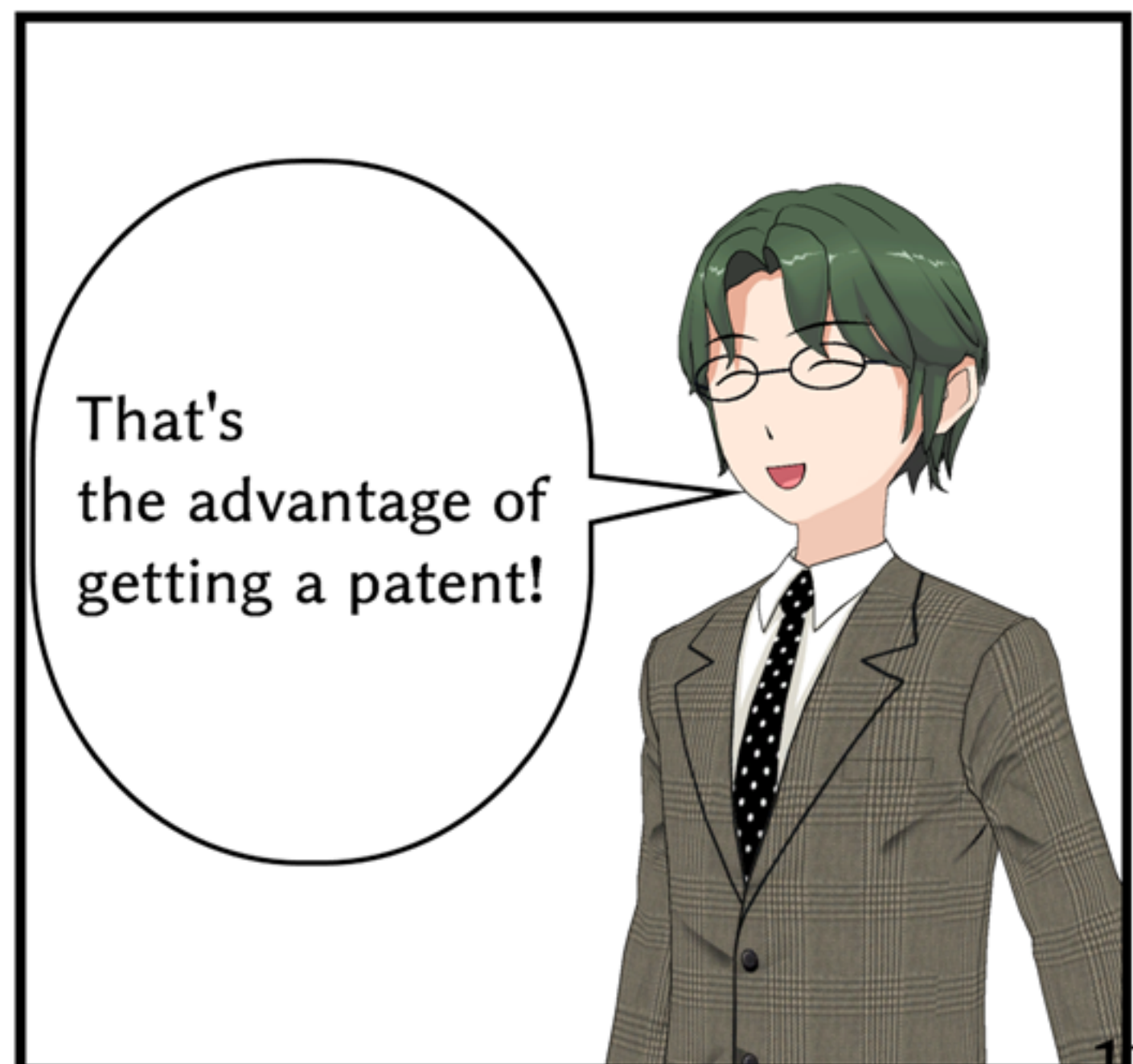
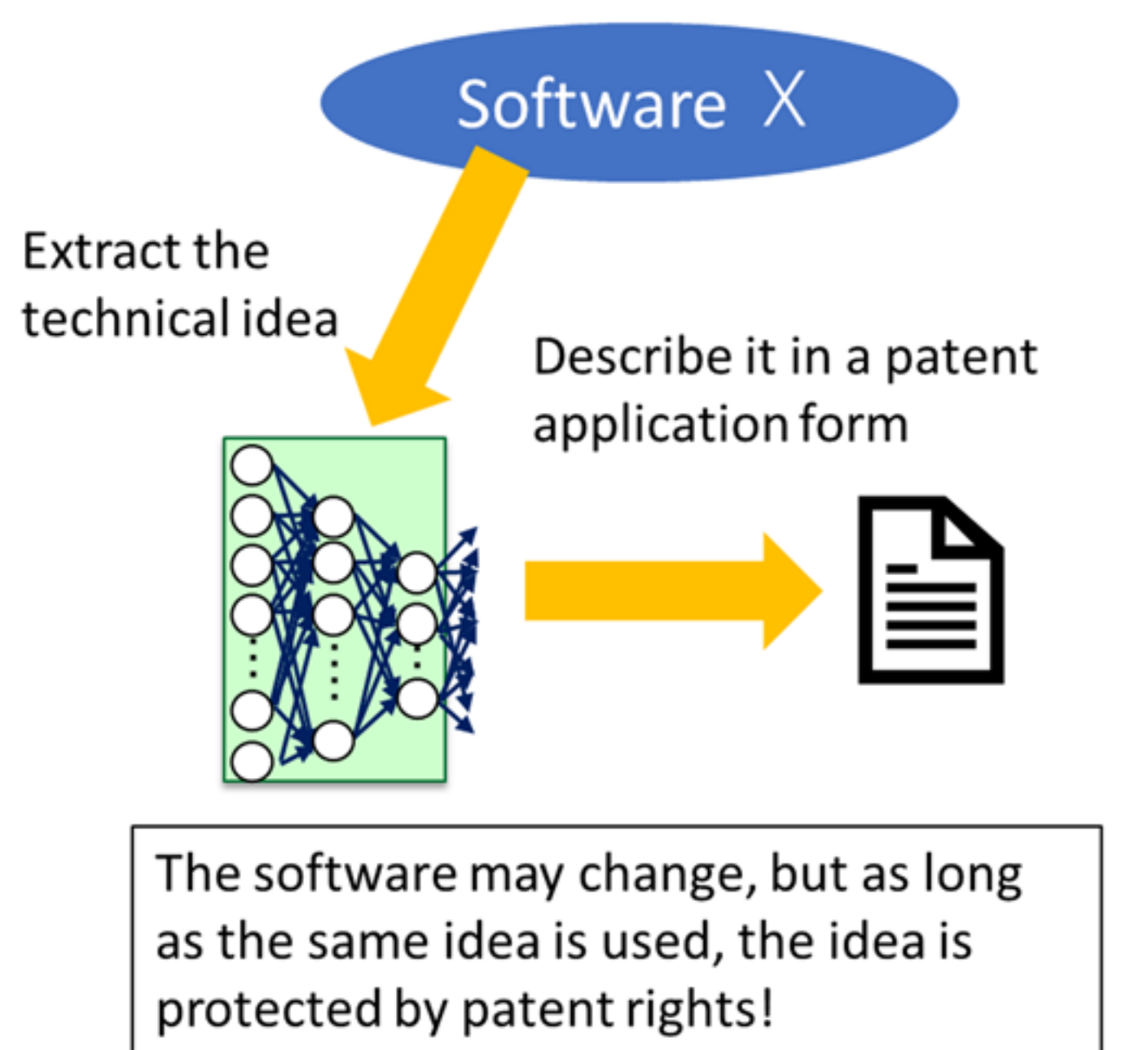
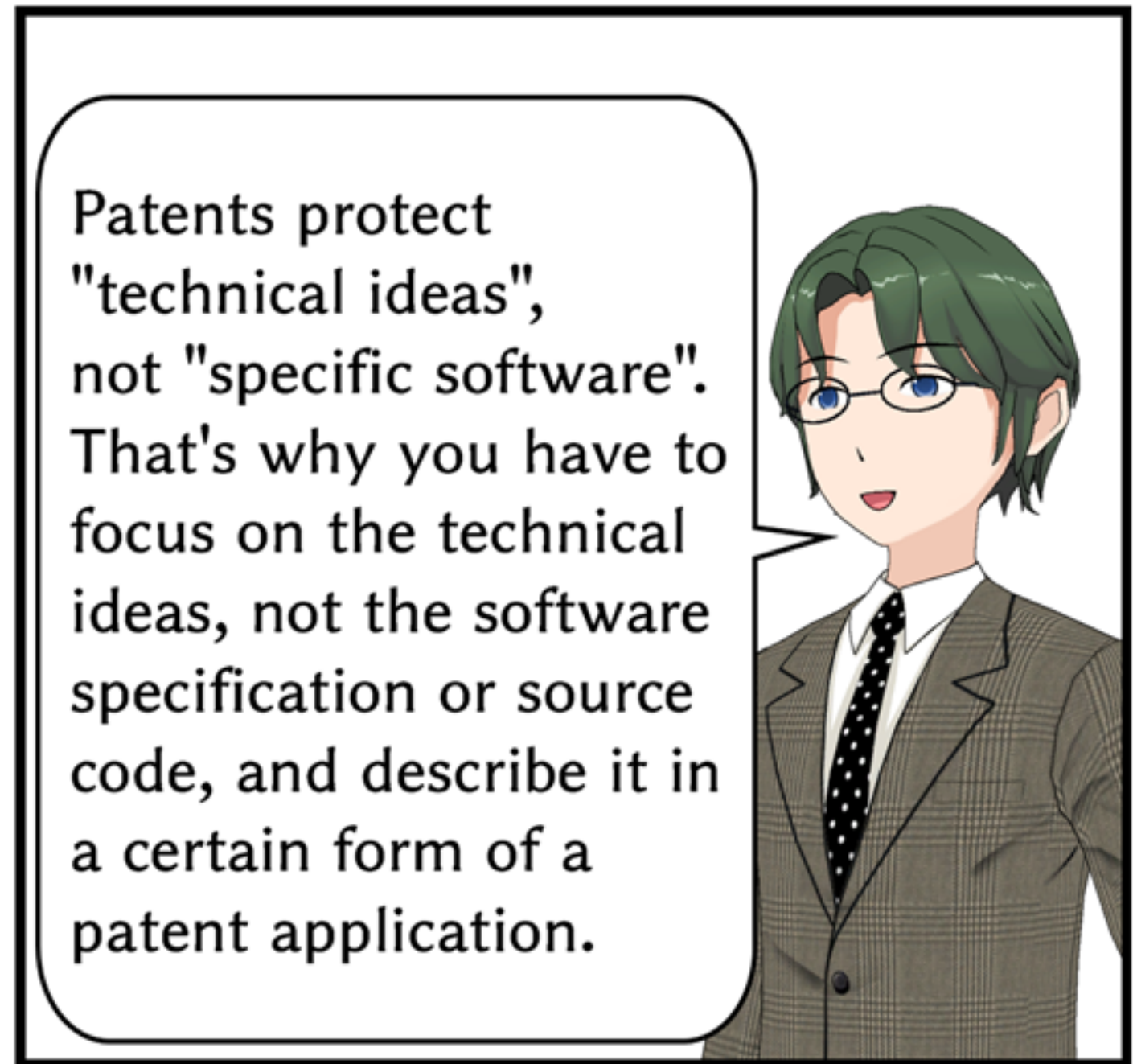
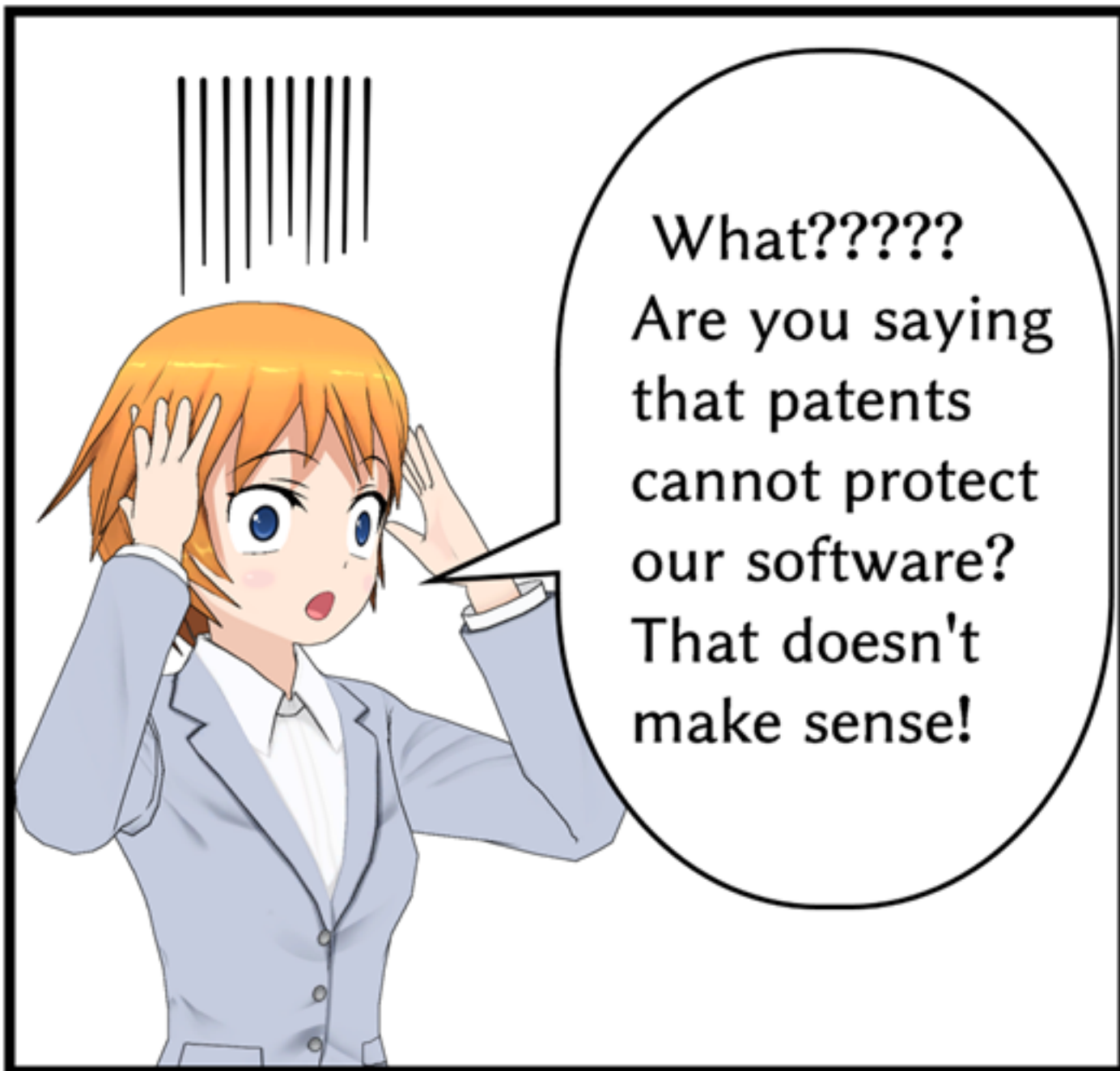
Software protection through patents and copyrights



The technical idea of using an algorithm A to automatically identify the type of animal in a photograph.

Patent
Protecting technical ideas

Copyright
Protecting each expression



If any of them meet the requirements for patentability, such as novelty and inventive step, you can get a patent!

I'm sure a lot of technical ideas were generated when developing your software.



What were some of the technical challenges you have encountered while you were developing the software?

- Not enough training data available...
- The AI was not very accurate...
- It was not fast enough for embedded devices...
- Needed to use AI to make XXX operations more efficient ...

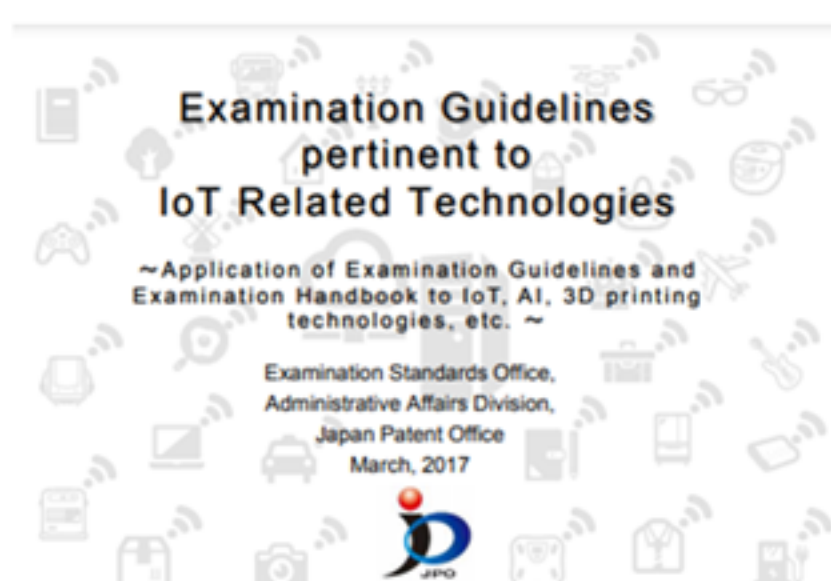


Now think about how you solved those problems.

- We did _____ to get more training data!
- We did _____ to improve the accuracy of AI!
- We did _____ to increase the processing speed of the AI!
- _____ enabled the AI to perform XXX operations!



You can find Case Examples for AI/IoT related Technologies on the JPO web site !



https://www.jpo.go.jp/e/system/laws/rule/guideline/patent/iot_shinsa.html



https://www.jpo.go.jp/e/system/laws/rule/guideline/patent/ai_jirei_e.html

