O P E N S E S S I O N

MR. MUELLER: Your Honor, as our next witness we call Dr. Ueyn Block, and Ms. Frazier will do the examination.

MS. FRAZIER: Dr. Mehra, assuming it's okay with Her Honor, you are free to go.

JUDGE BHATTACHARYYA: Yes. Thank you for your time.

THE WITNESS: Thanks. Sounds good.

JUDGE BHATTACHARYYA: Good morning, Dr. Block.

THE WITNESS: Good morning.

JUDGE BHATTACHARYYA: Do you understand that you have an obligation to tell the truth here today?

THE WITNESS: Yes.

UEYN BLOCK,

having been first duly sworn and/or affirmed on his oath, was thereafter examined and testified as follows:

JUDGE BHATTACHARYYA: Thank you.

You may proceed.

DIRECT EXAMINATION

BY MS. FRAZIER:

Q. Good morning, Dr. Block.

A. Good morning.

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Q. Could you please introduce yourself to Her Honor?
A. Absolutely. My name is Ueyn Block, and I work at Apple.
Q. What is your educational background?
A. I have a Bachelor's degree in physics and mathematics and then got a Master's and a Ph.D. degree in applied physics at Stanford University.
Q. What did you do after you defended your dissertation at Stanford?
A. I went from Stanford to a startup company working on noninvasive biomedical optics devices and stayed there for about six years.
Q. And after that what did you do?
A. I pursued a job at Apple and went directly from that company to Apple.
Q. When did you join Apple?
A. I joined Apple in March of 2013.
Q. Why were you interested in working at Apple?
A. Basically I've been a longtime appreciator of the company since using products dating back all the way to the '80s, and for me it was some kind of a dream job. I had actually tried to get a job there straight out of graduate school but didn't have the right qualifications at that time, so I eventually got there.
Q. Dr. Block, what products have you worked on

during your time at Apple?

A. Primarily the Apple Watch since I first joined.

Q. Which versions of Apple Watch have you worked on?

A. All of them.

Q. Starting with the first Apple Watch, if I refer to that as the Series 0, will you understand what I'm talking about?

A. Yes.

Q. What were your responsibilities with respect to the Series 0 Apple Watch?

A. When I started, we were at very early stages of doing R&D and prototyping, and I was primarily working on the overall optical architecture of the health sensors for the Series 0 Apple Watch.

Q. And at a high level, what are the components that are part of the optical sensors in Apple Watch Series 0?

A. Components such as the LEDs and photodiodes, the windows and apertures in the back crystal, how they are all arranged and how we create the overall optical architecture.

Q. Now, Dr. Block, next to you in the room is what has been marked as RPX-5.

Do you see that?

A. Yes.

Q. Could you tell us what RPX-5 is? And if you don't mind just holding it up.

A. So it's an enclosed Series 0 Apple Watch.

Q. And what -- excuse me. Strike that.

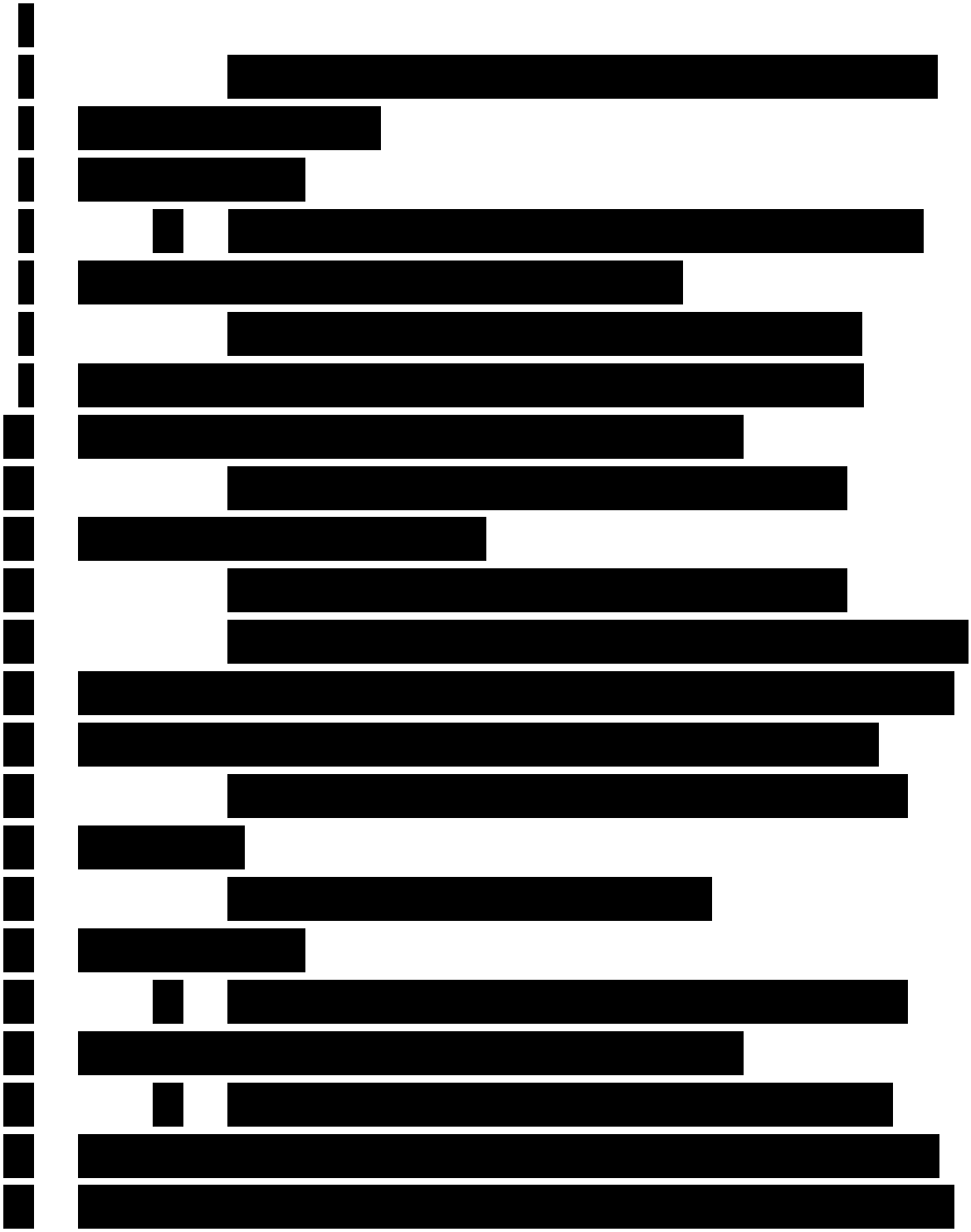
You referred to the back crystal a moment ago. Using RPX-5, could you show Her Honor what the back crystal on the Series 0 is?

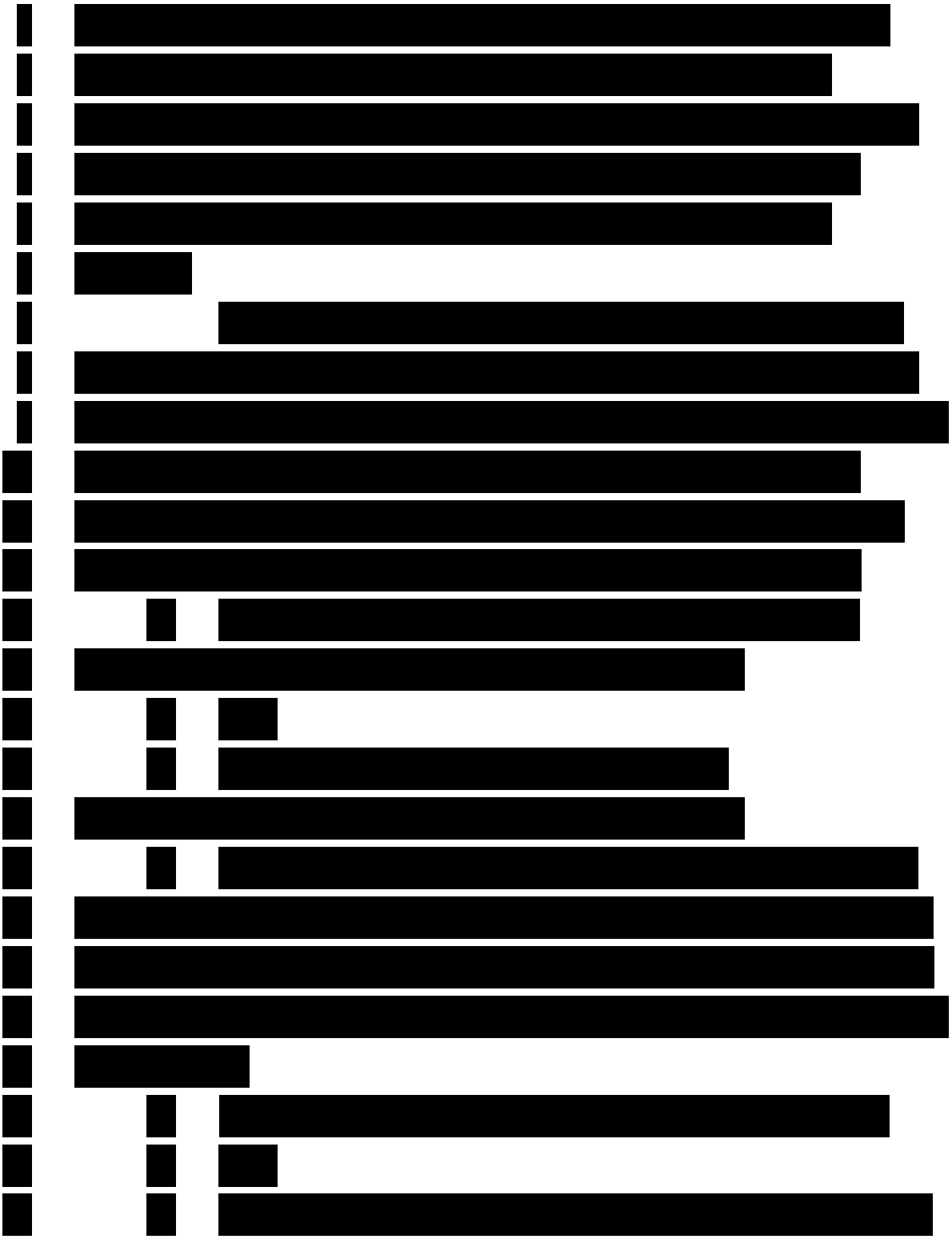
A. Sure. So on the back of the watch, the watch has this metal housing, the front has a display, on the rear side there's a circular protruding dome, I'm going to try to hold it close, that sticks out of the metal housing. This circular dome is what we refer to as the back crystal on the Series 0.

MS. FRAZIER: Your Honor, at this point I'd like to go on the Apple confidential record.

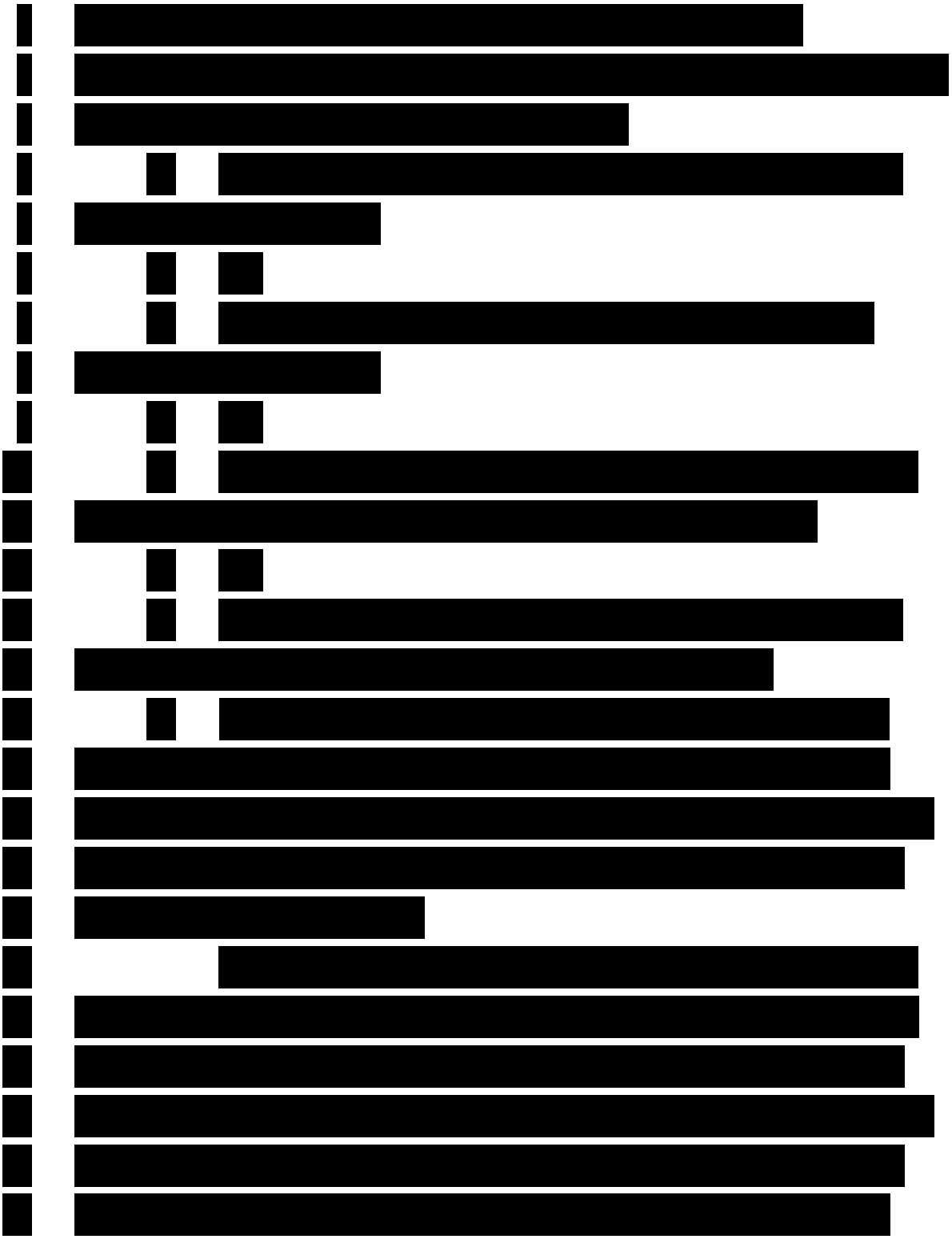
(Whereupon, the hearing proceeded in confidential session.)

C O N F I D E N T I A L S E S S I O N





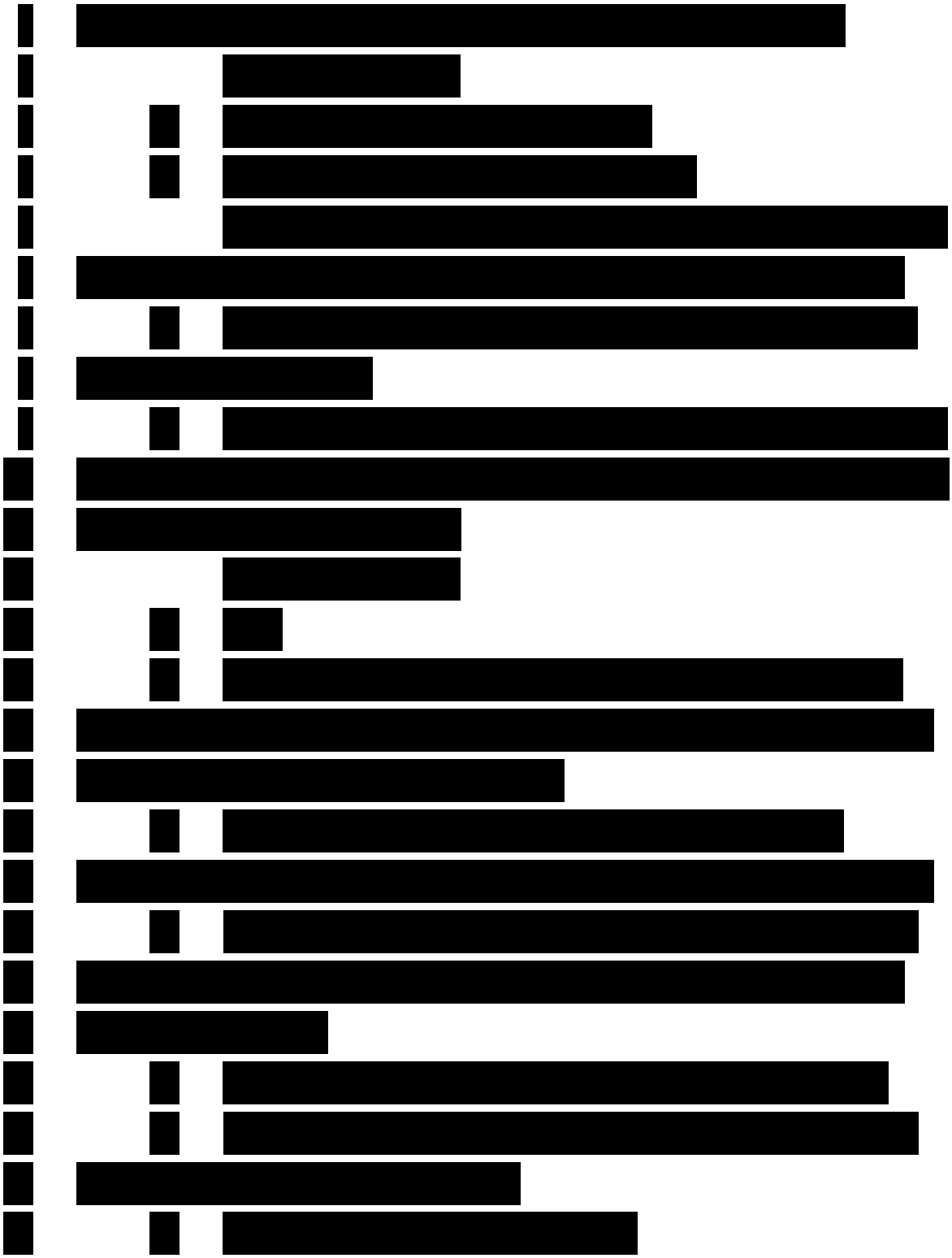


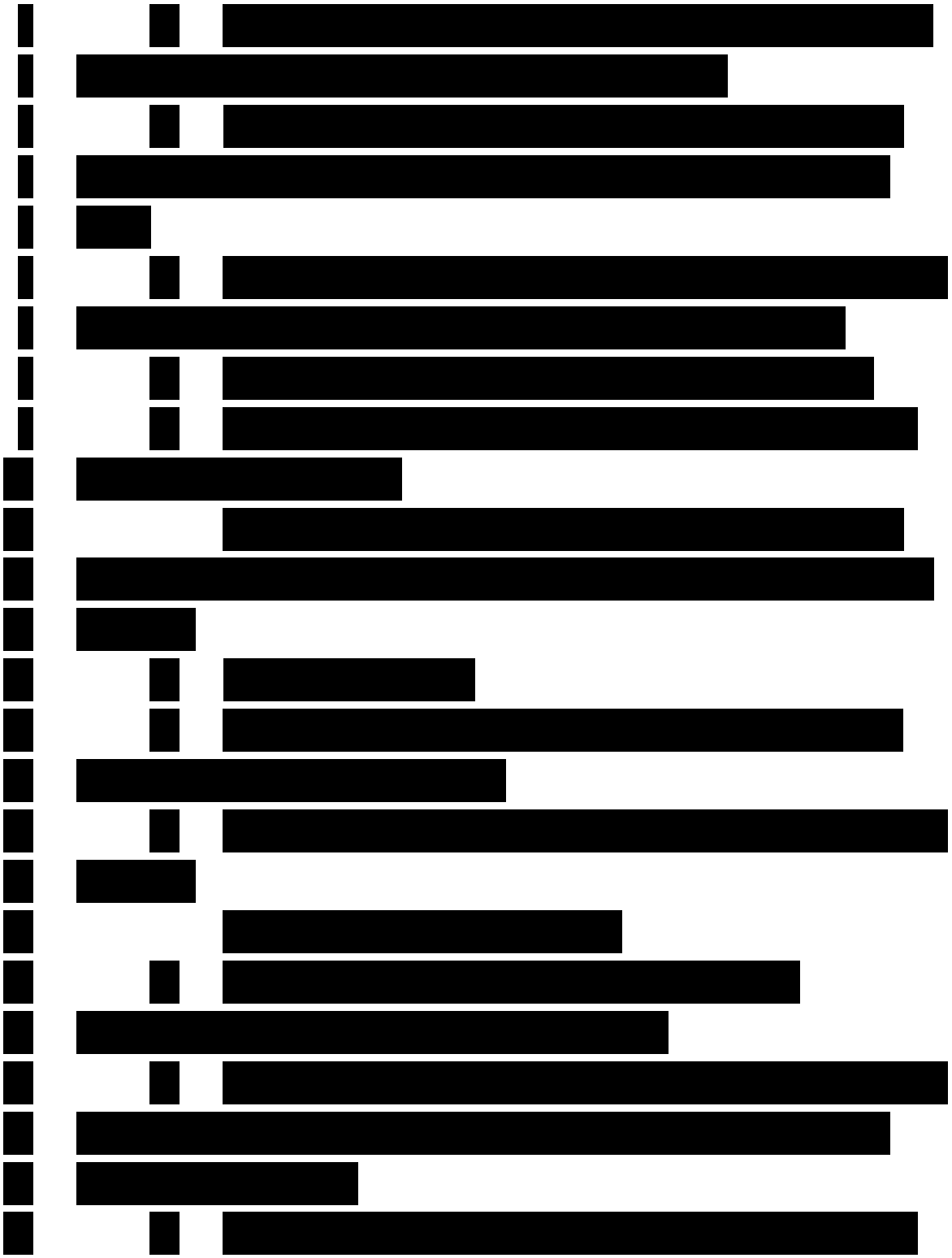




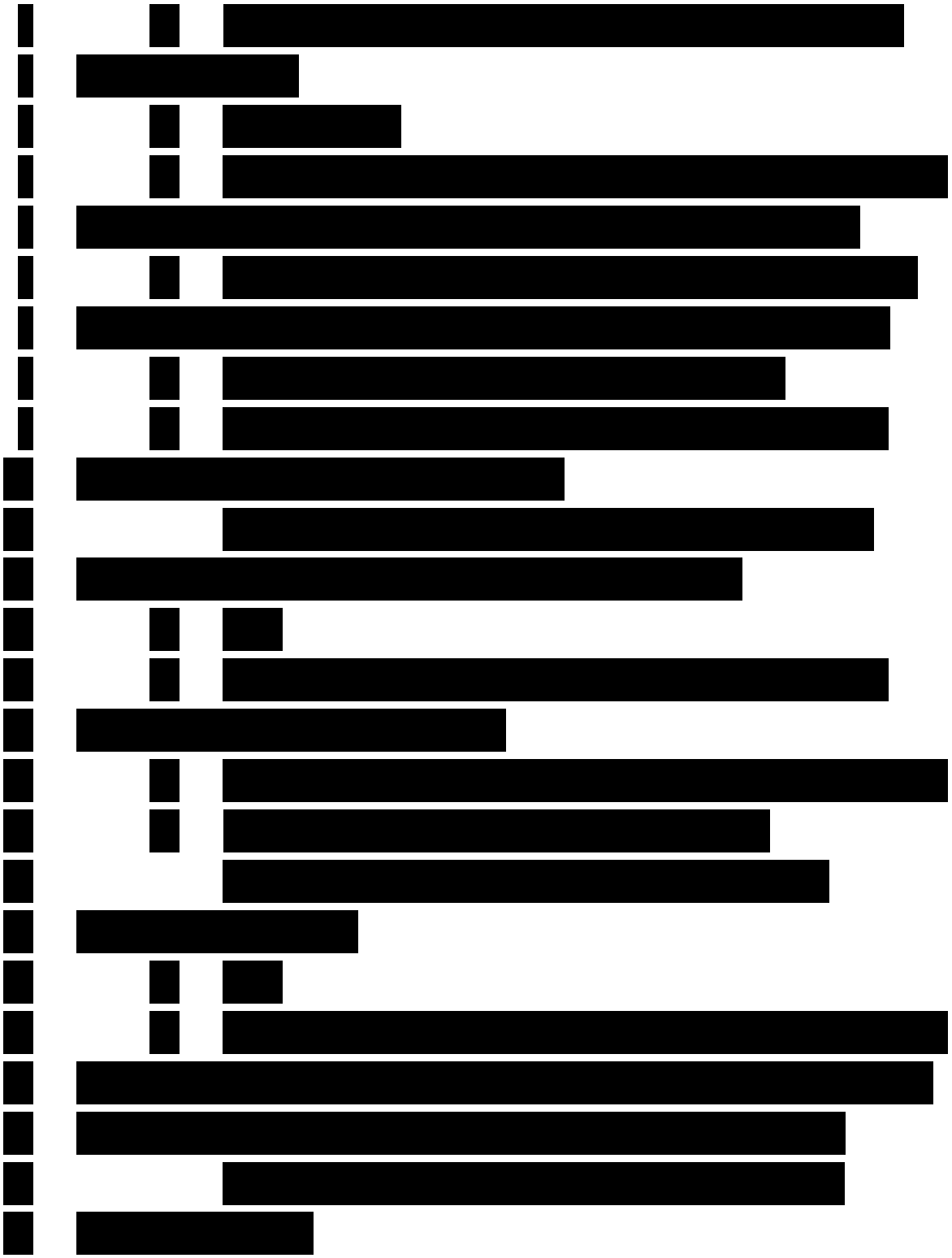




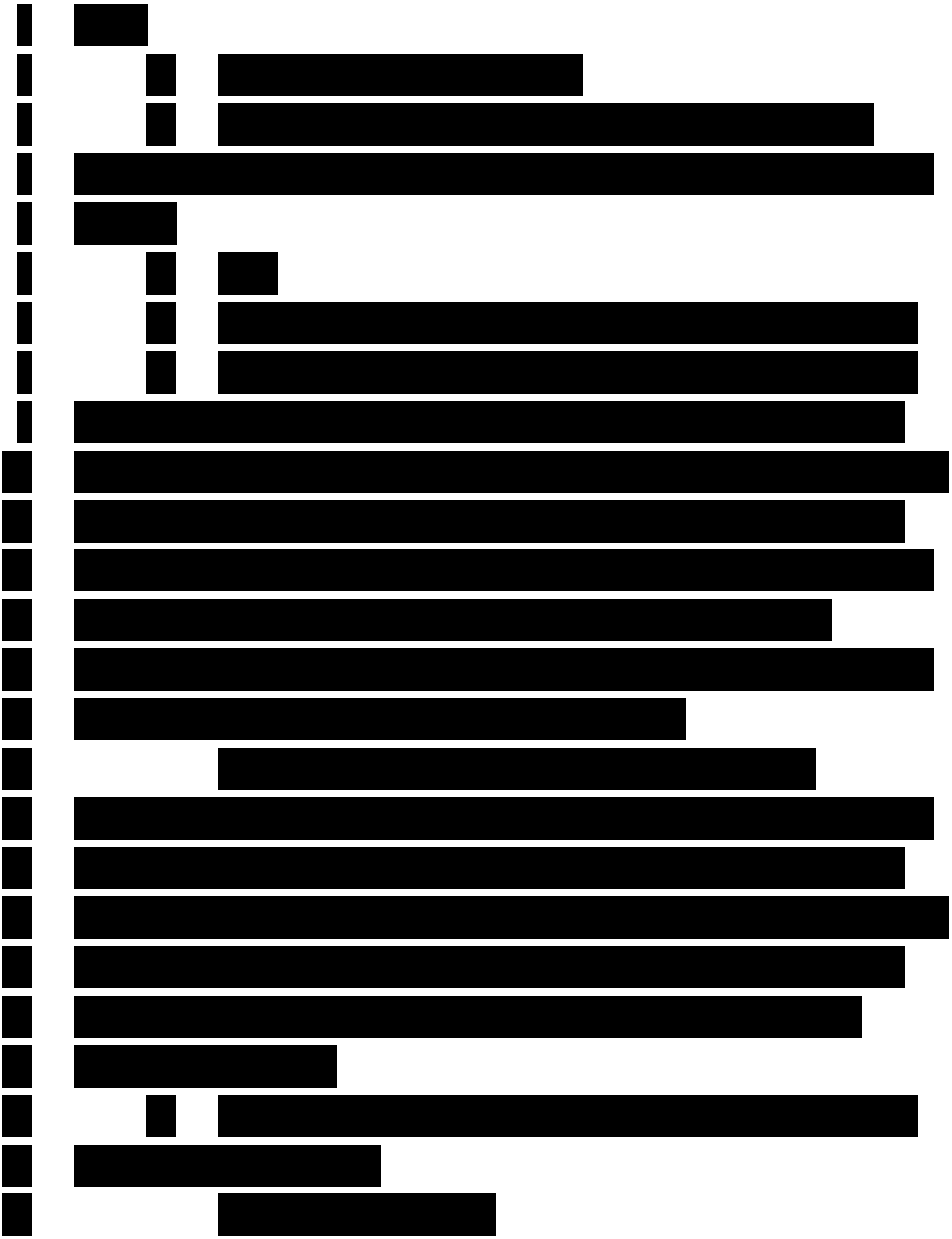






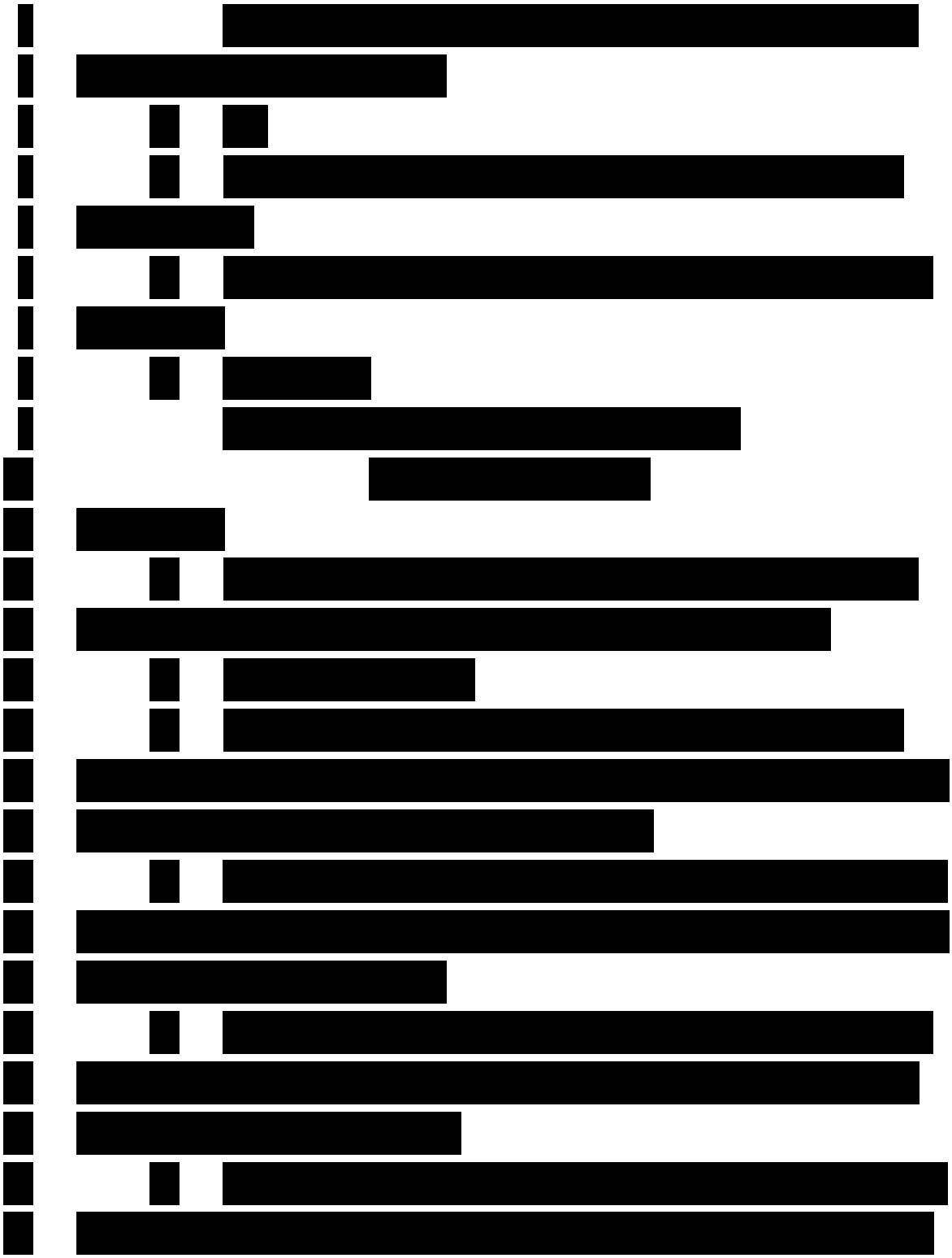
















[redacted]

(Whereupon, the hearing resumed in open session.)