

# [CB19] Recent APT attack on crypto exchange employees by Heungsoo Kang

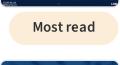
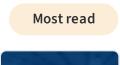
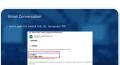
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In this talk, I plan to present overview of the recent APT attacks against employees of cryptocurrency exchanges. Attackers took extra care on its social engineering skills while also using advanced malware and two 0-day exploits. This talk will give an overvie...  
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## DISCRETION IN APT

### Recent attack on crypto exchange services

Heungsoo Kang, LINE

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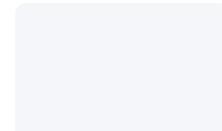
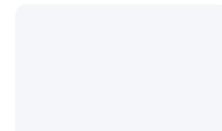
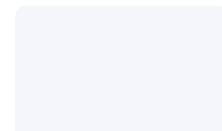
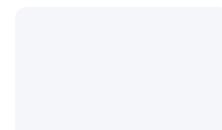
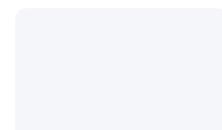
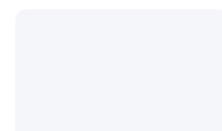
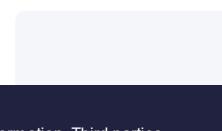
\$ whoami

- Heungsoo Kang (David)
- LINE 

  - Mobile messenger loved in Asia
  - Lots of services
  - Also Crypto/FIAT exchange BITBOX / BITMAX
  - We care security very much!

- Contact
  - cmpdebugger@gmail.com / @jz\_\_

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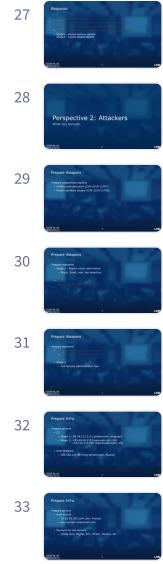
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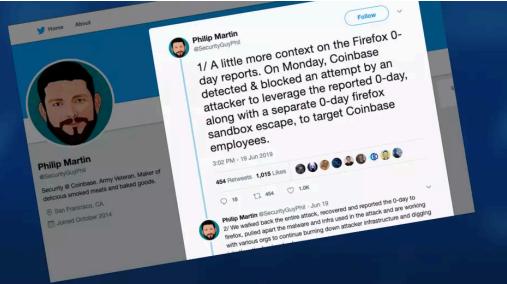
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- Decent analysis by [objective-see.com](#)

- Undisclosed, but LINE was also targeted



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LINE

Jason Williams

[The Cross Site Scripting Guide](#)

Daisuke\_Dan

[Cross Site Scripting \(XSS\)](#)

Amit Tyagi

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## About this talk

- Background
  - Coinbase announced it's been attacked by a very sophisticated, highly targeted attack
  - Coinbase blog / Philip Martin (@SecurityGuyPhil)
  - Decent analysis by [objective-see.com](#)
- Undisclosed, but LINE was also targeted

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LINE

## About this talk

- Goal of this talk
  - To share the perspectives of ...
    - The victim (how it looked like to him)
    - The attackers (what they had prepared)
    - The blue-team (what we could/not see)
  - To share information about ...
    - Its malware
    - Attackers

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**Perspective 1: Victim**  
How it looked over the surface

**About Victim**

- A talented developer
  - :~10 years of experience
- Device
  - iPhone
  - MacBook Pro

**Email Conversation**

- Victim receives an email through his personal account
- sender
  - nm603@cam.ac.uk

The screenshot shows an email from Neil Morris at Adams Prize, Project Analysis and Evaluation. The recipient's name and email address are highlighted with a red box. The email content includes a message from Neil Morris, a signature, and social media links.

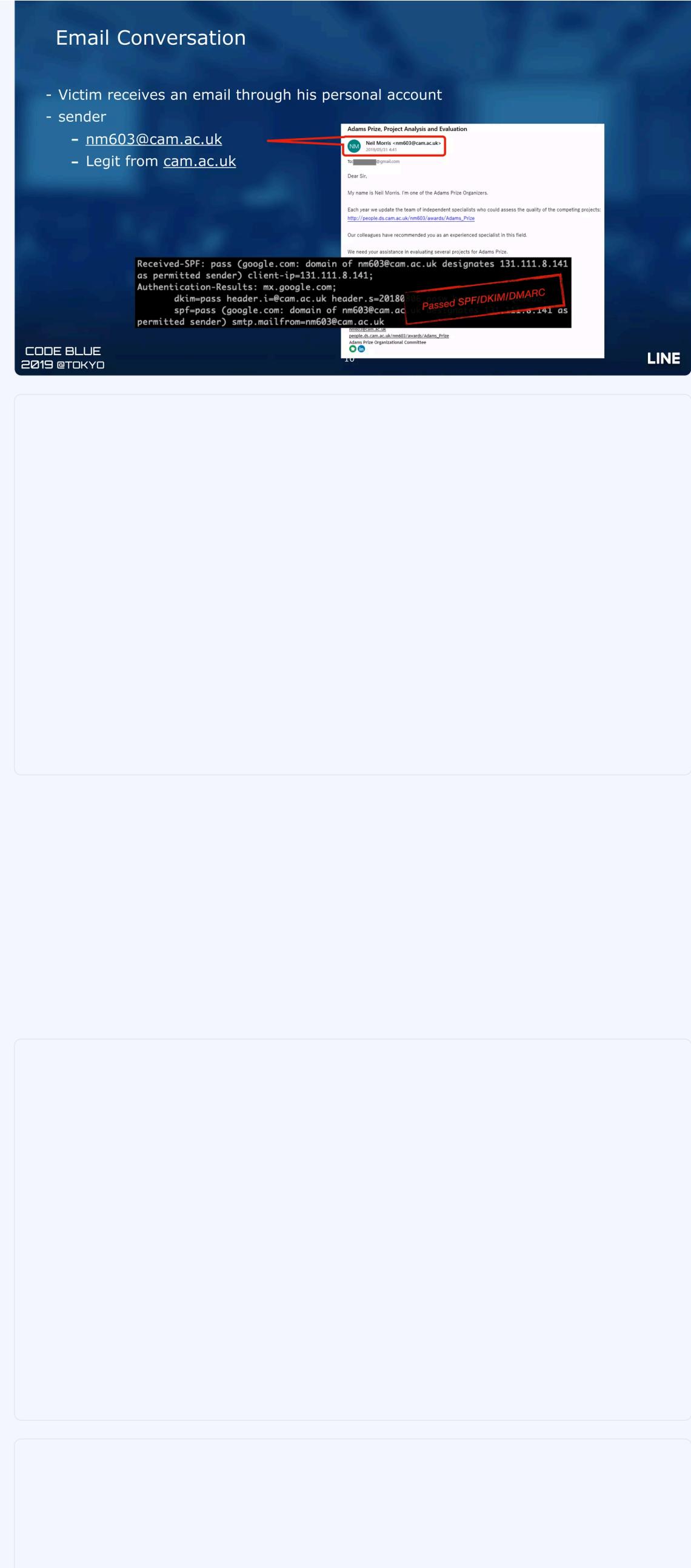
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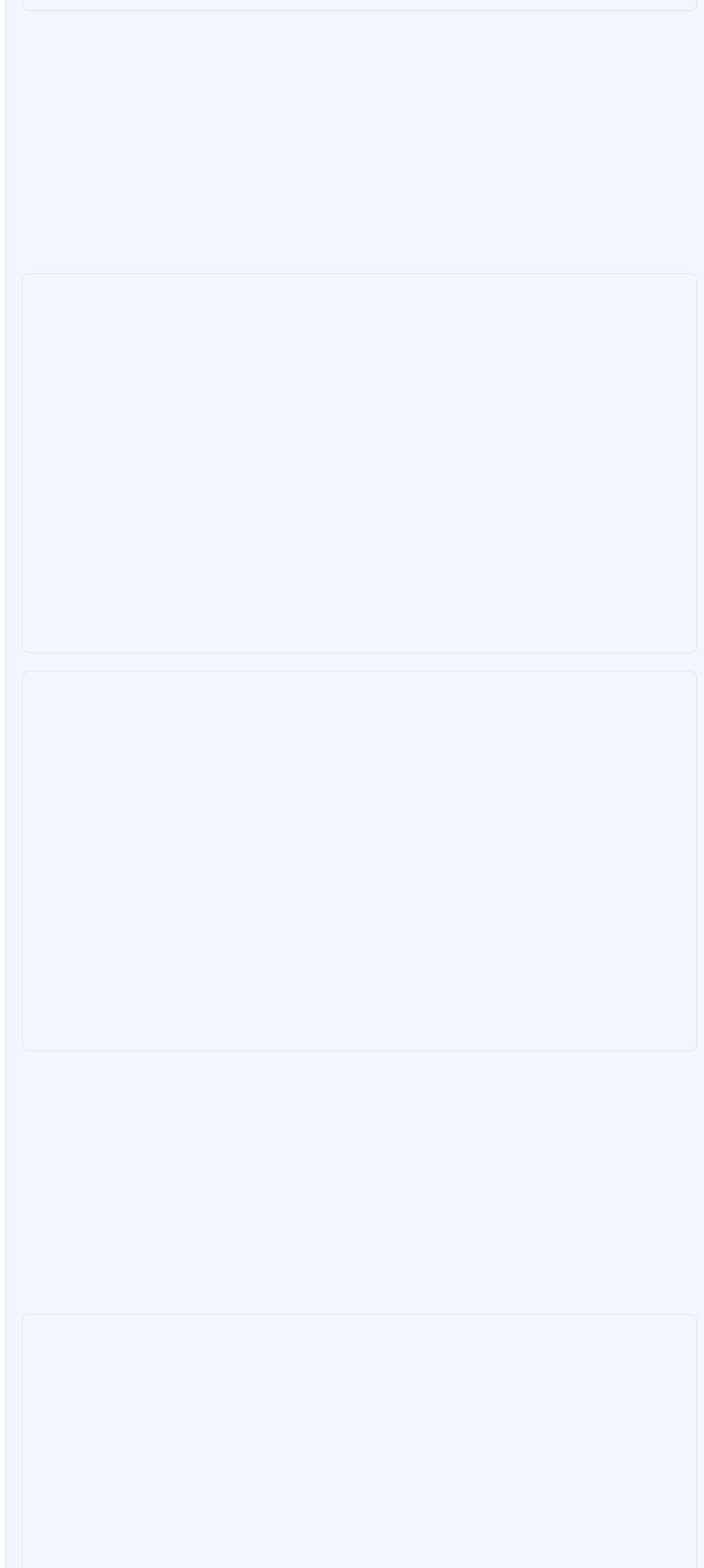
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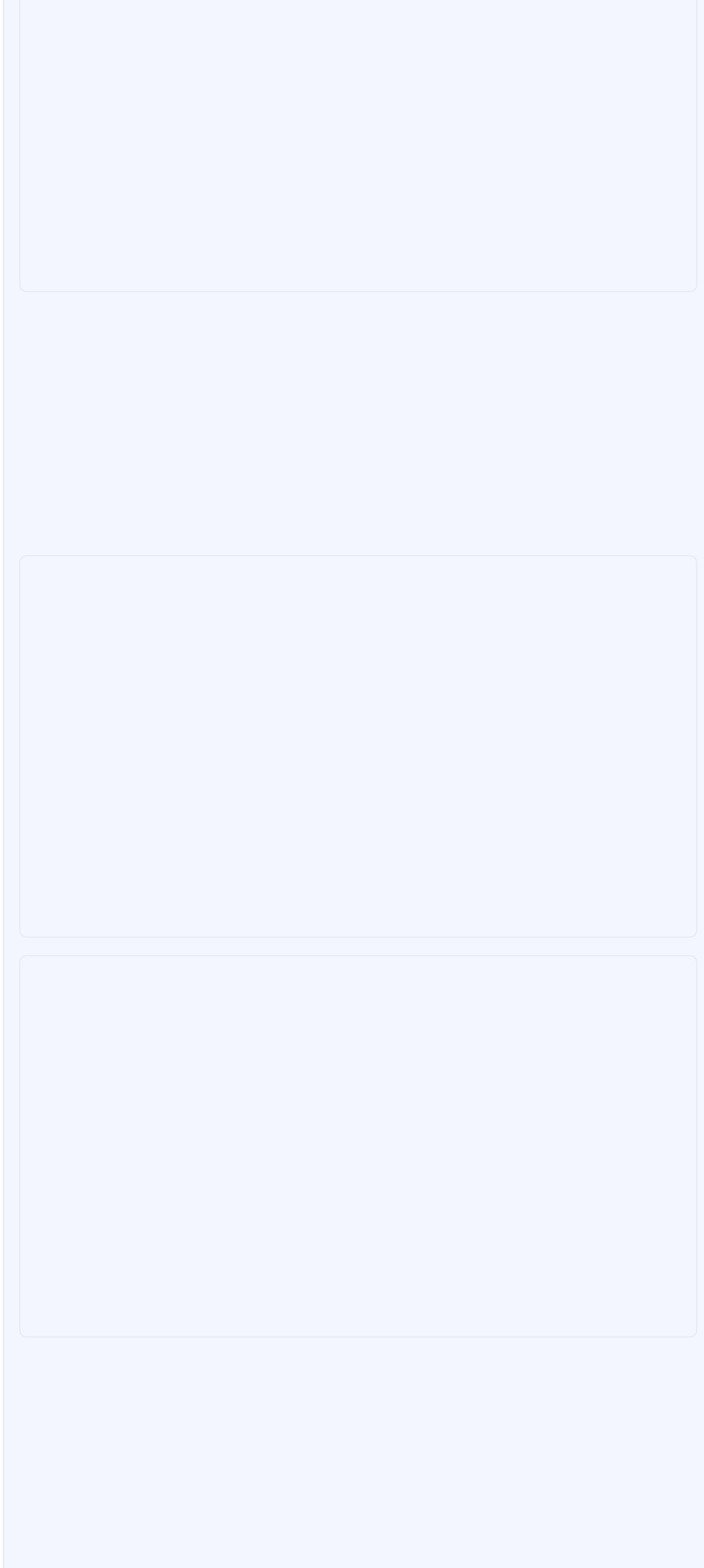
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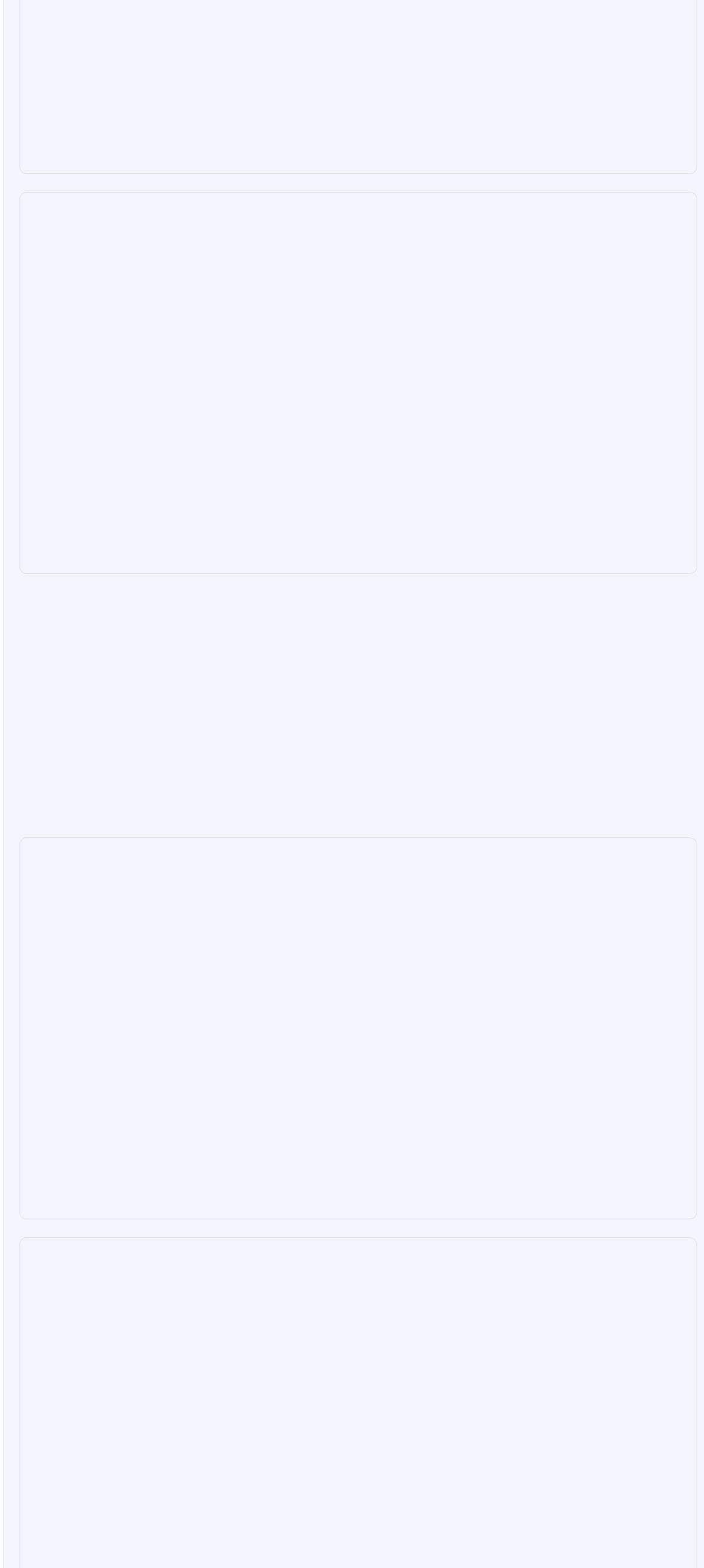
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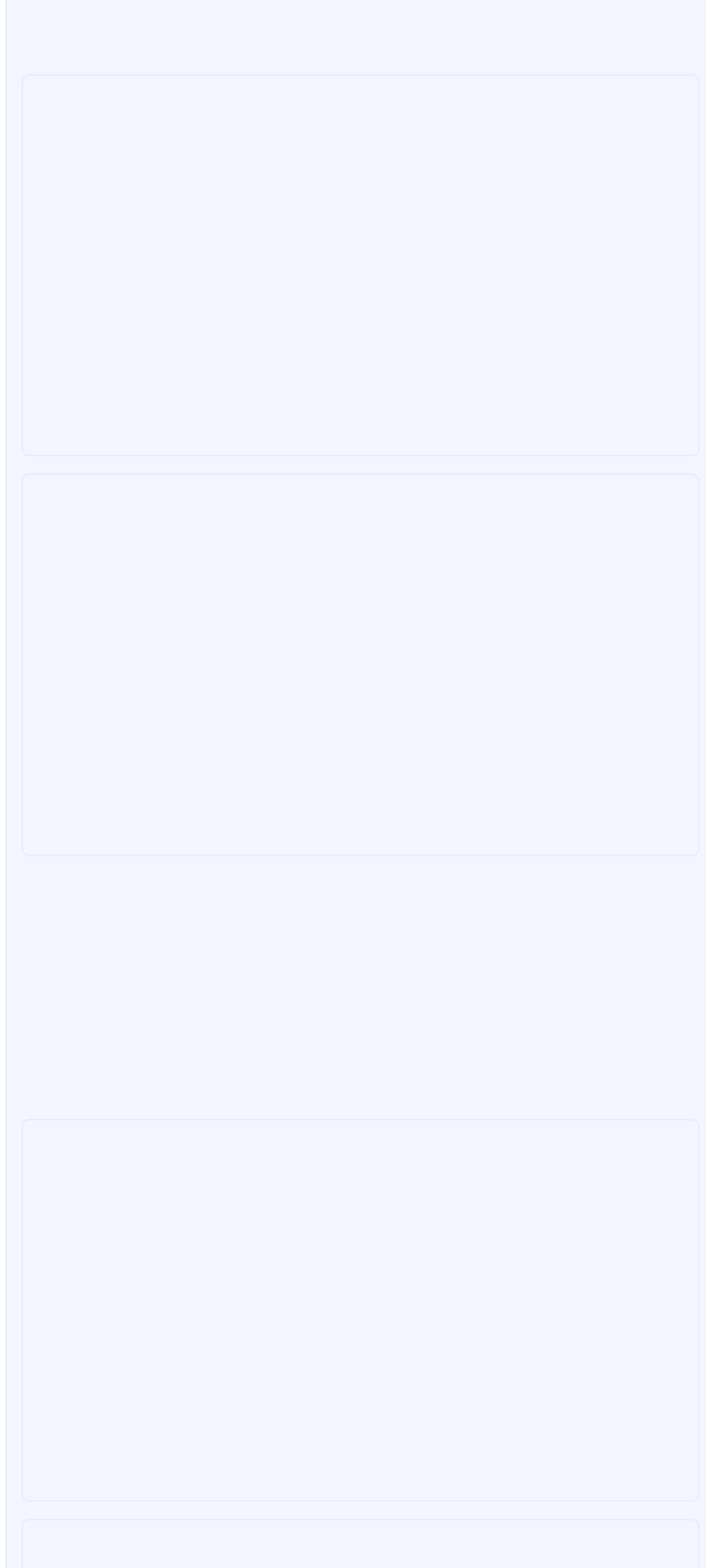
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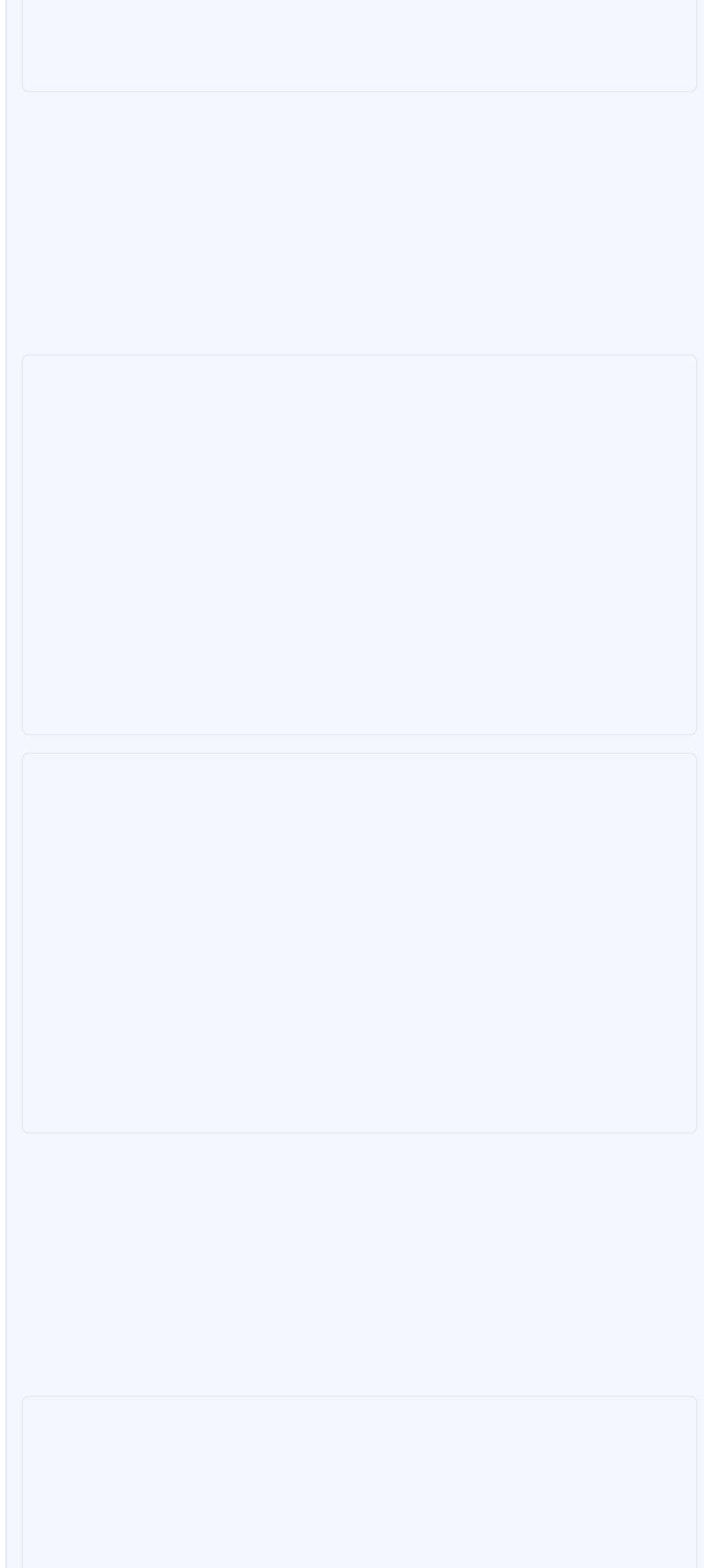
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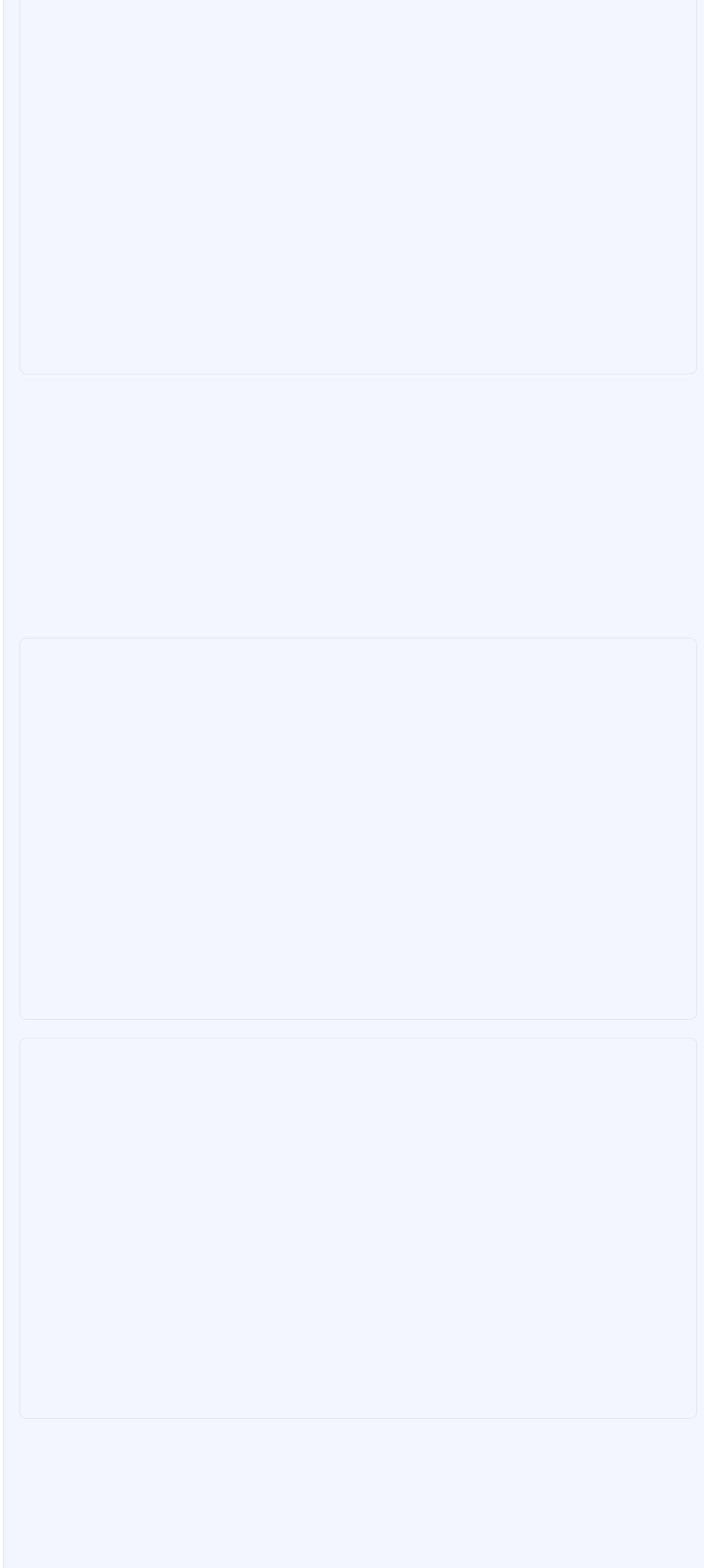
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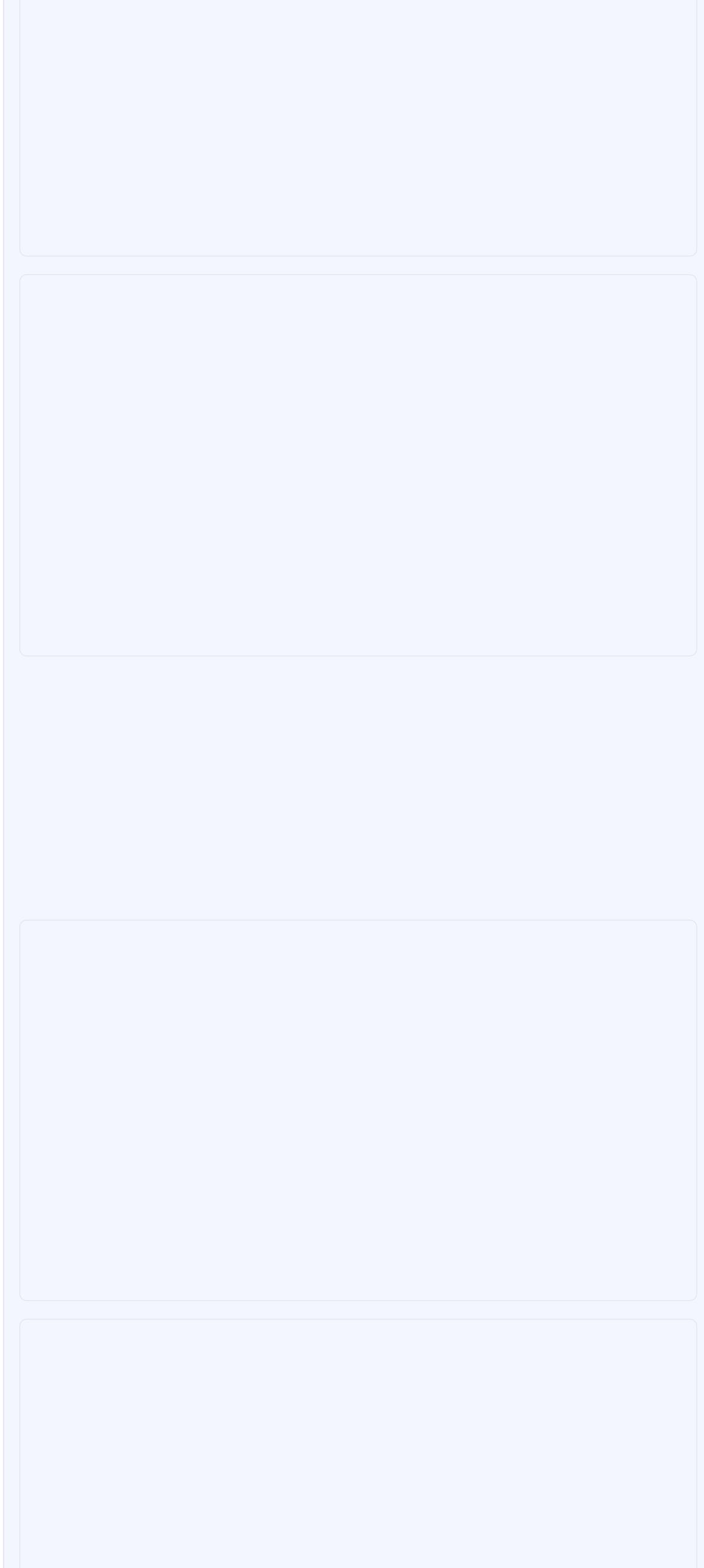
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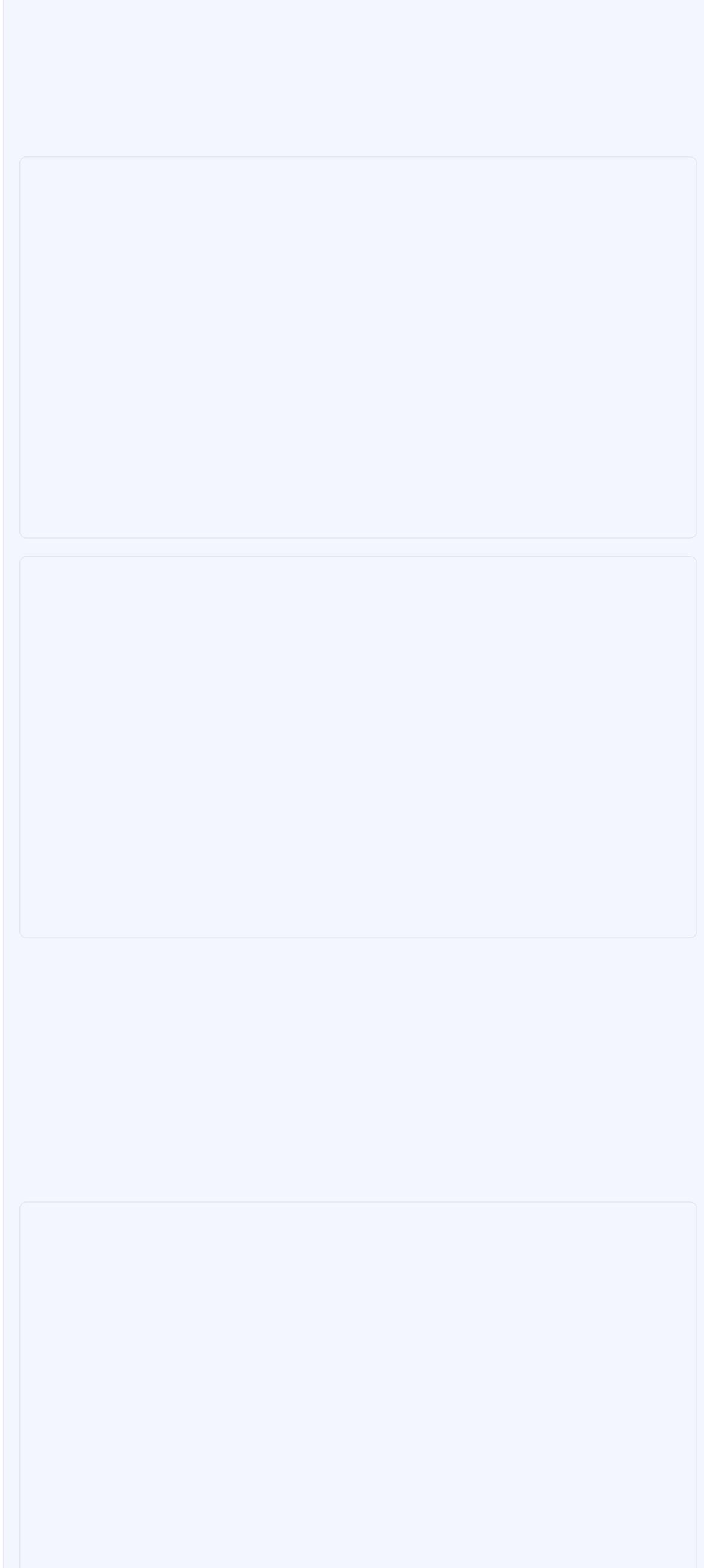
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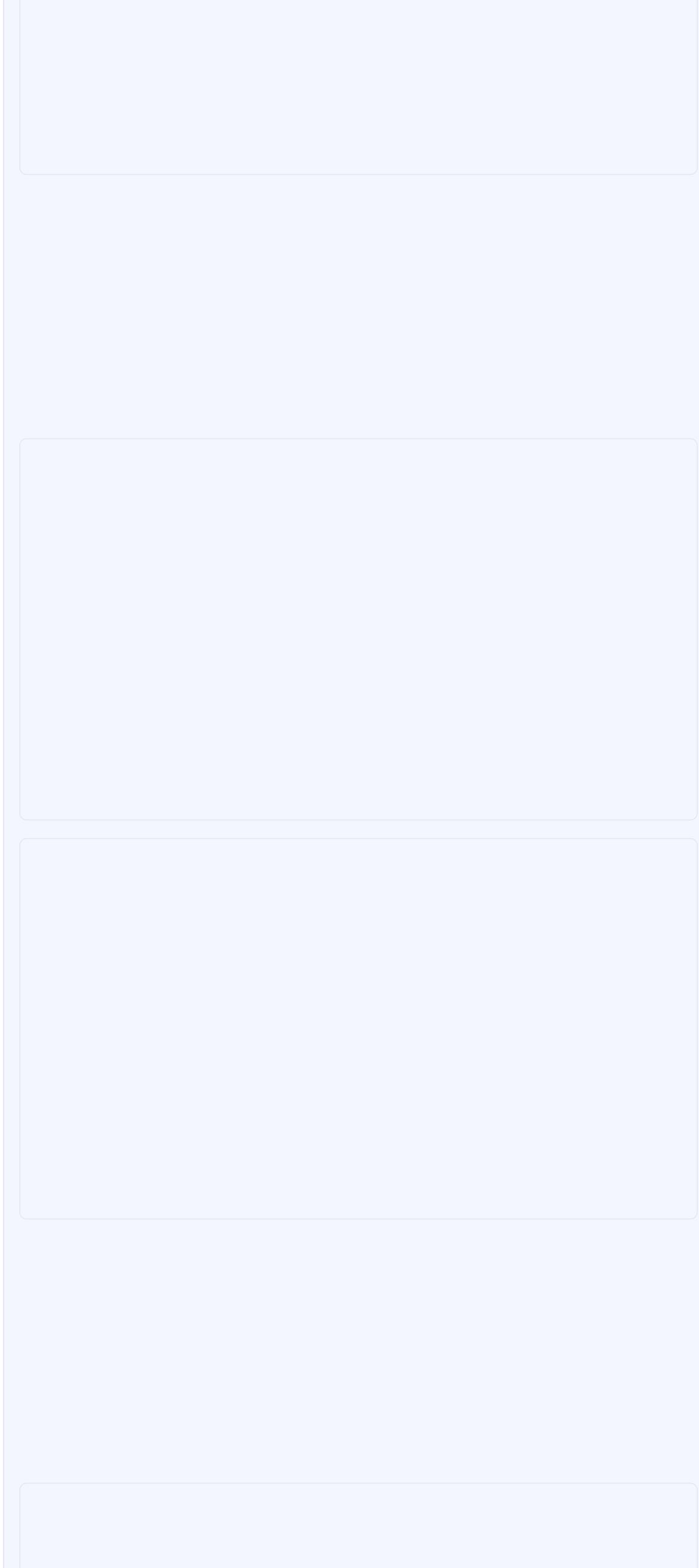
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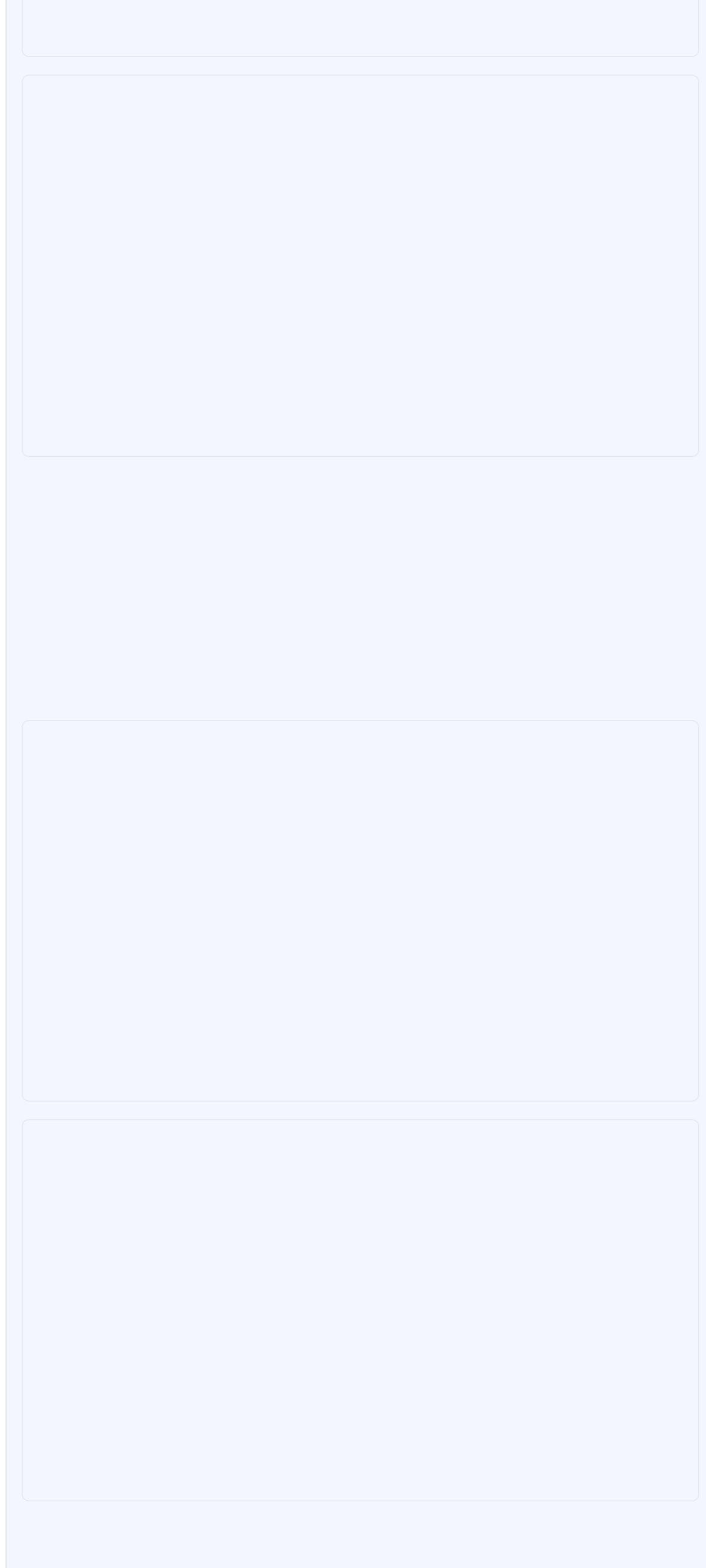
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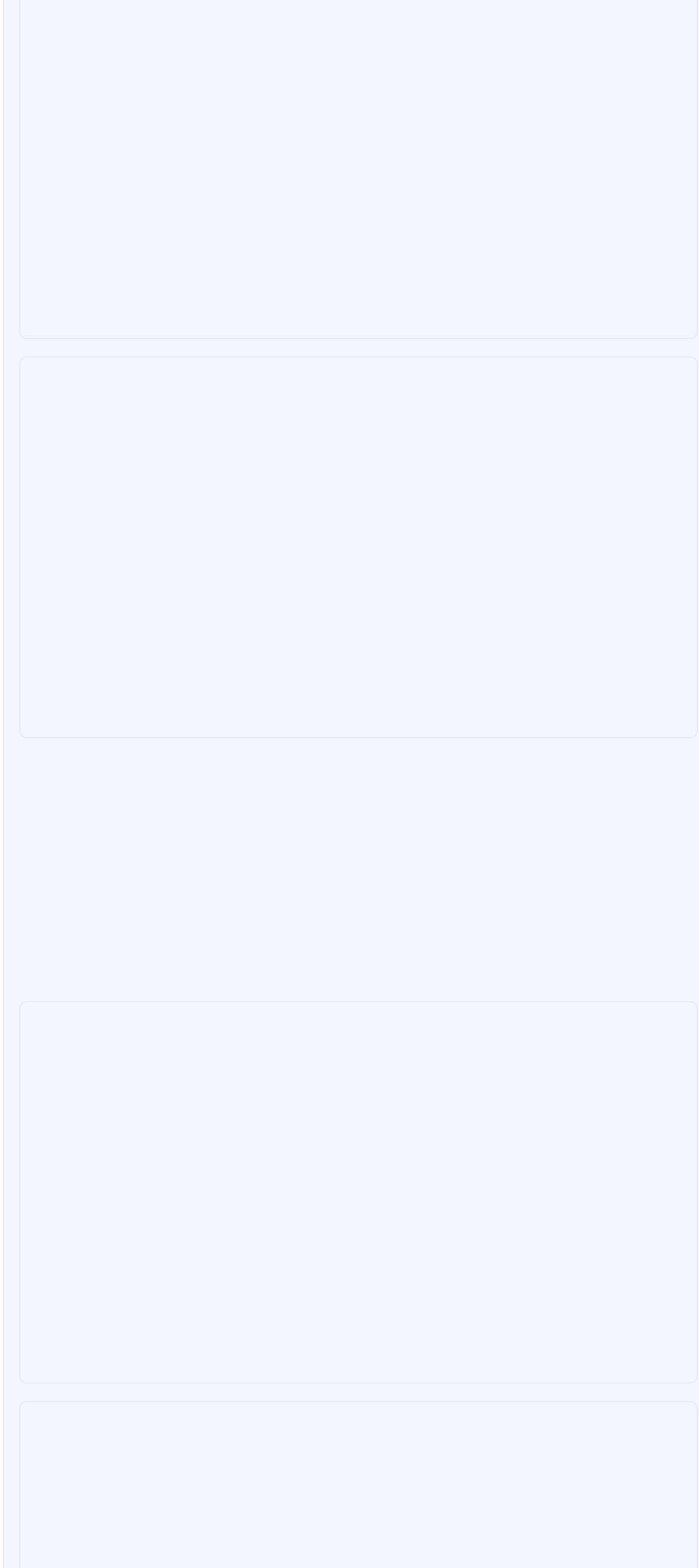
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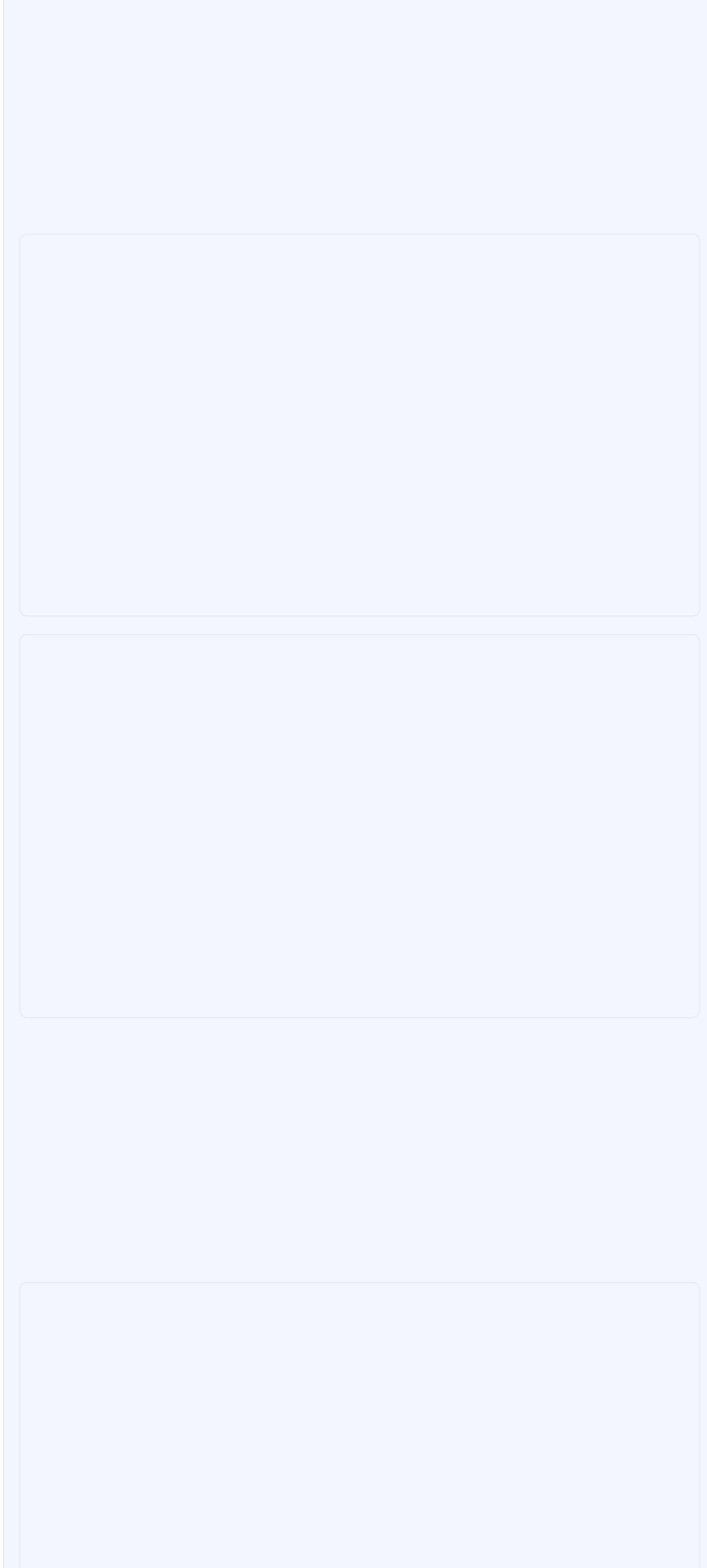
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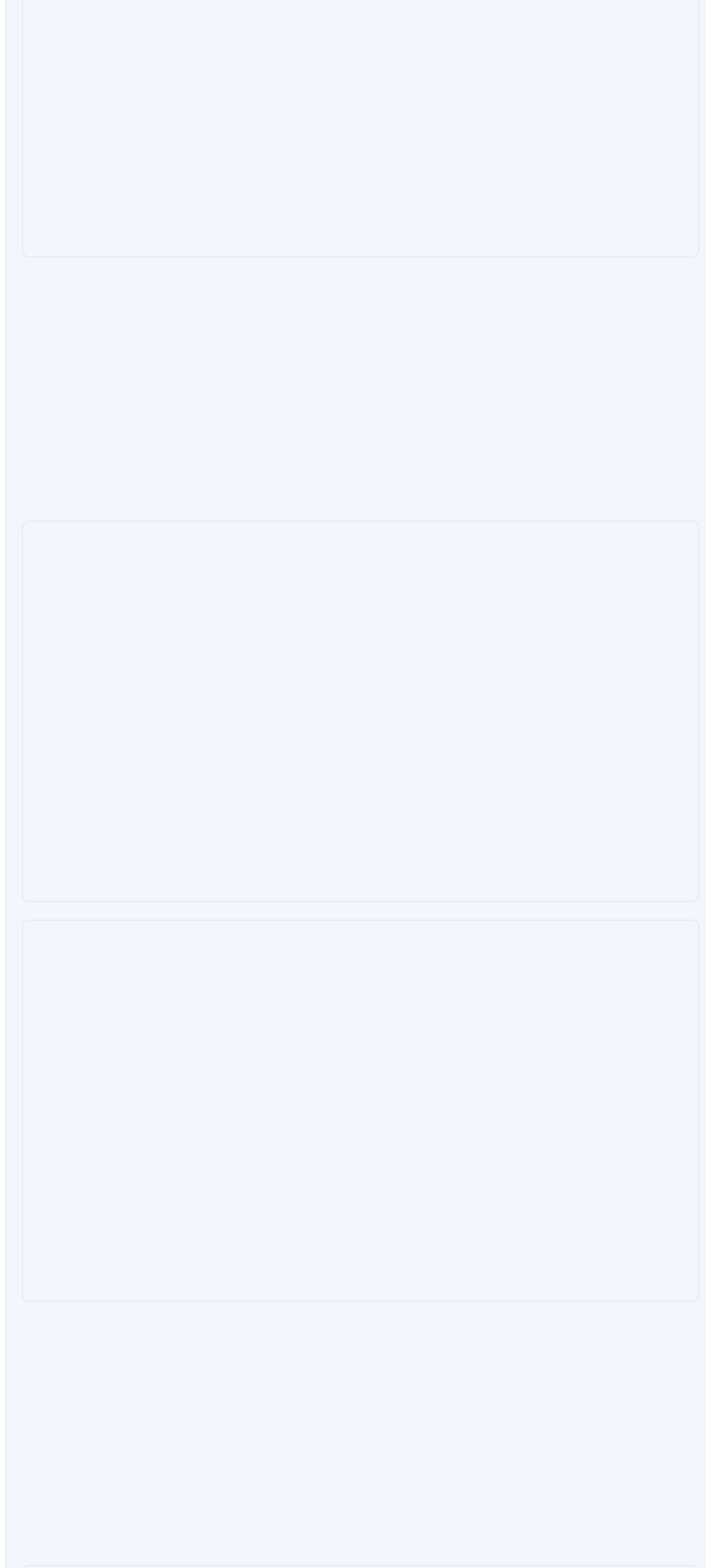
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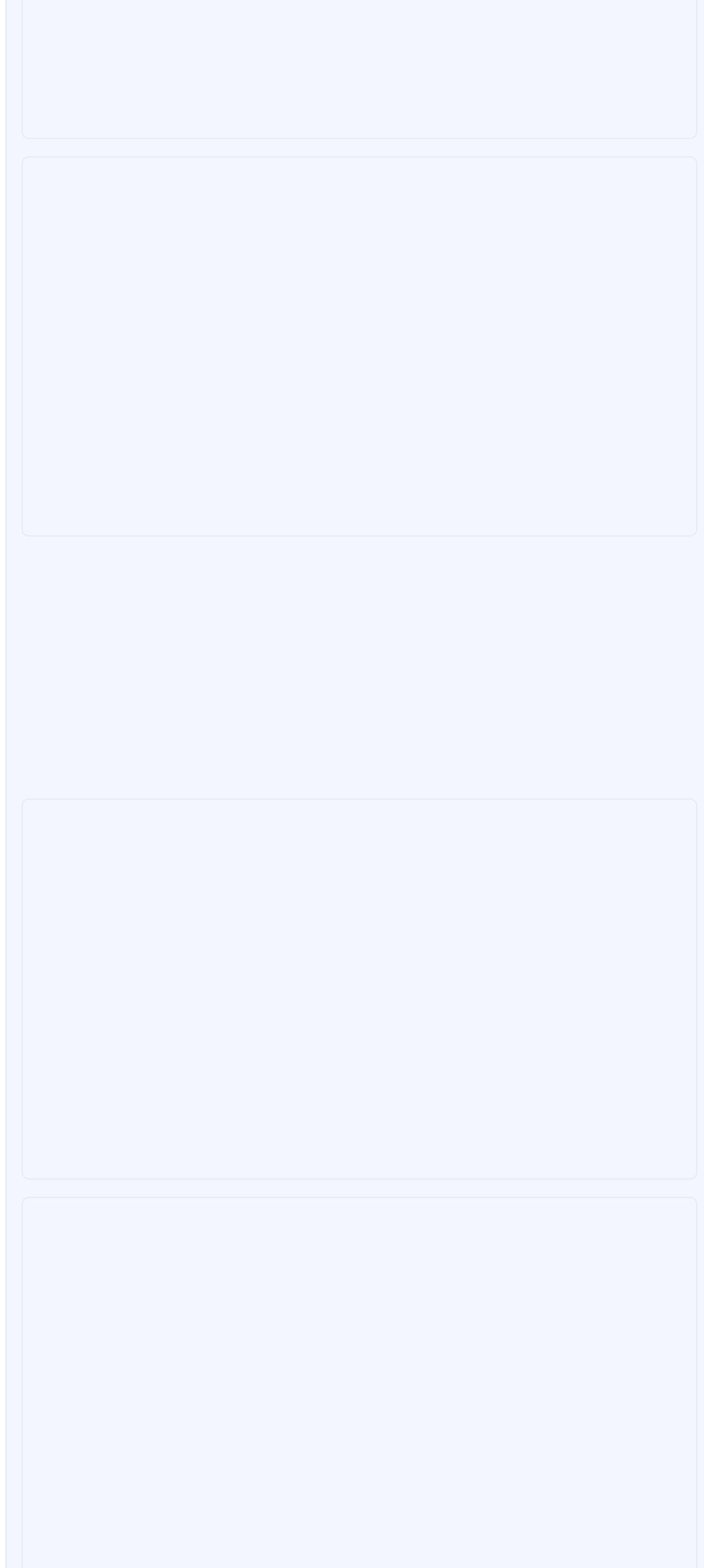
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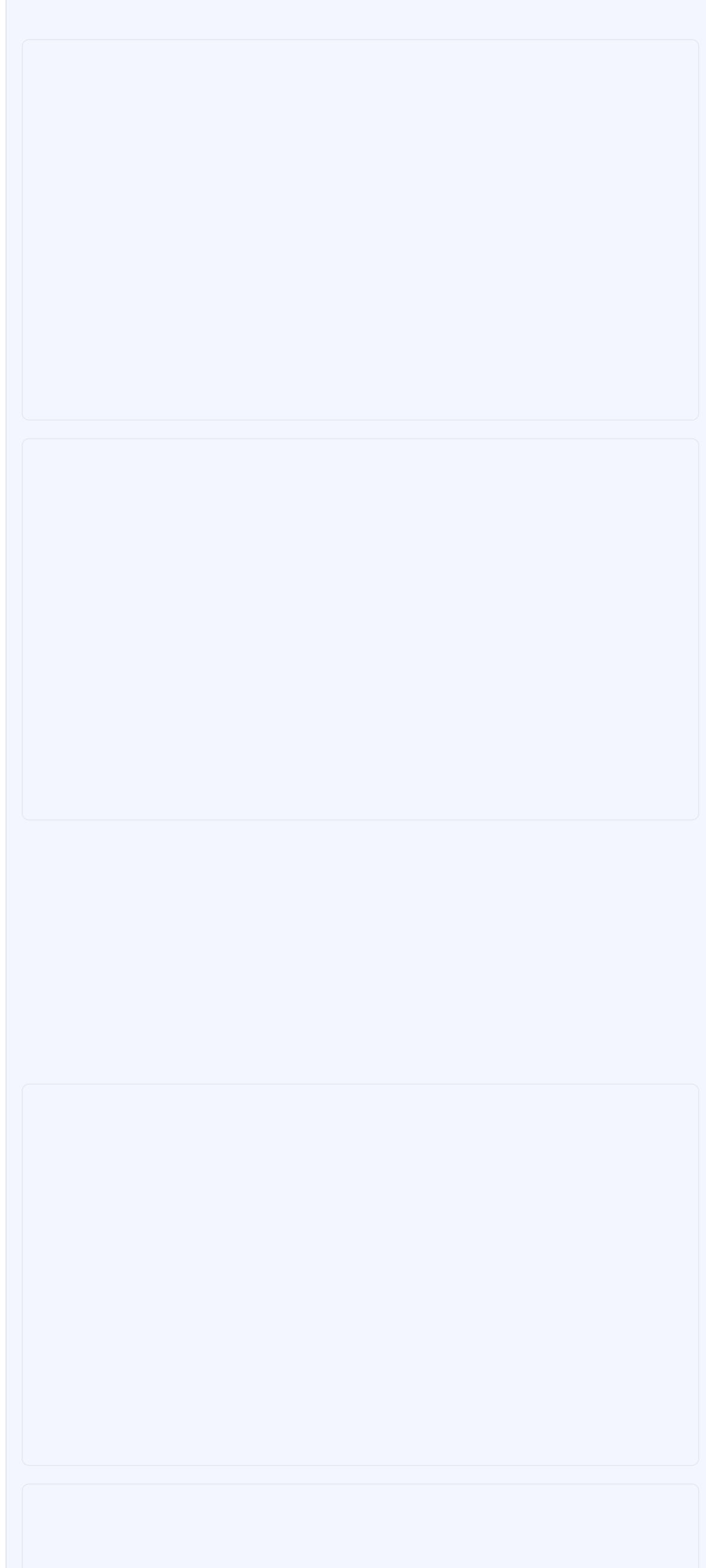
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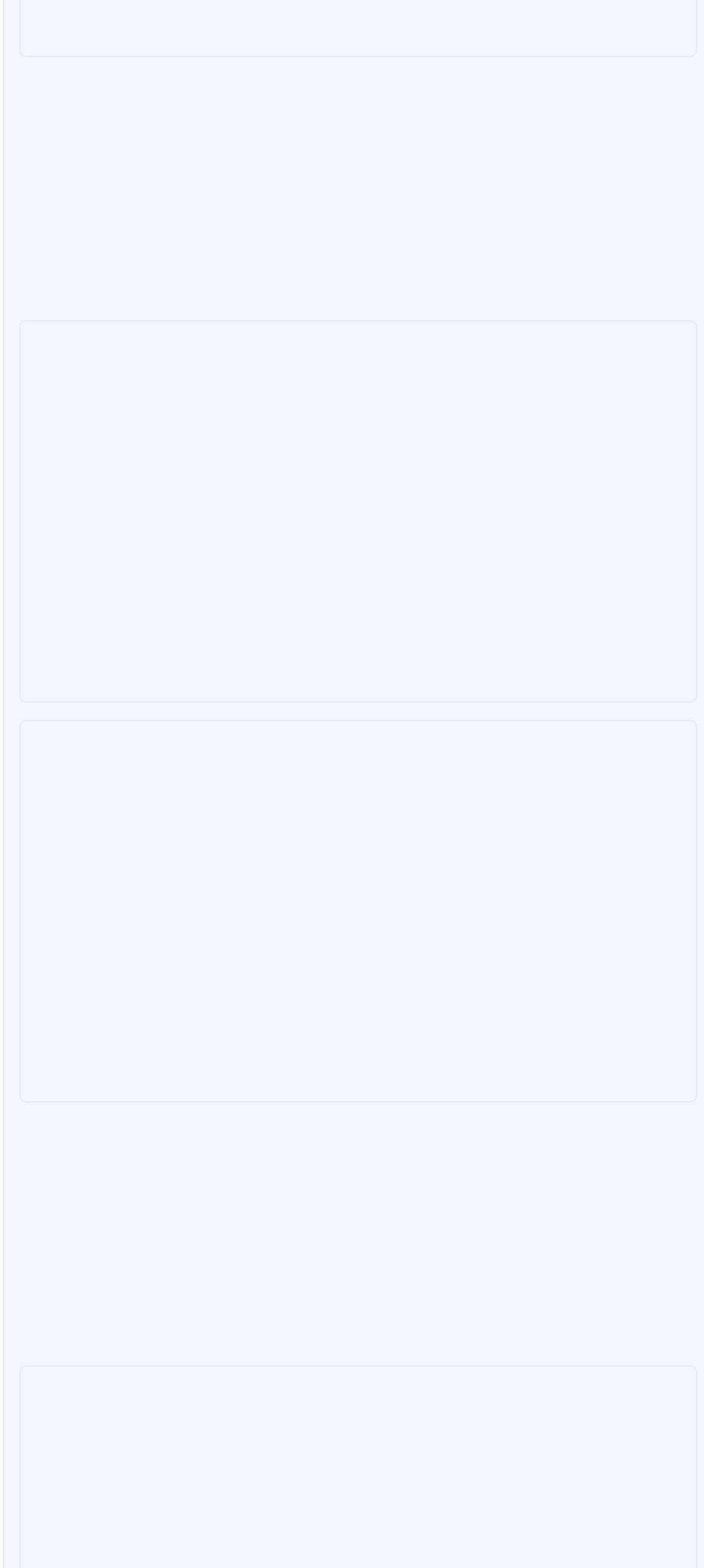
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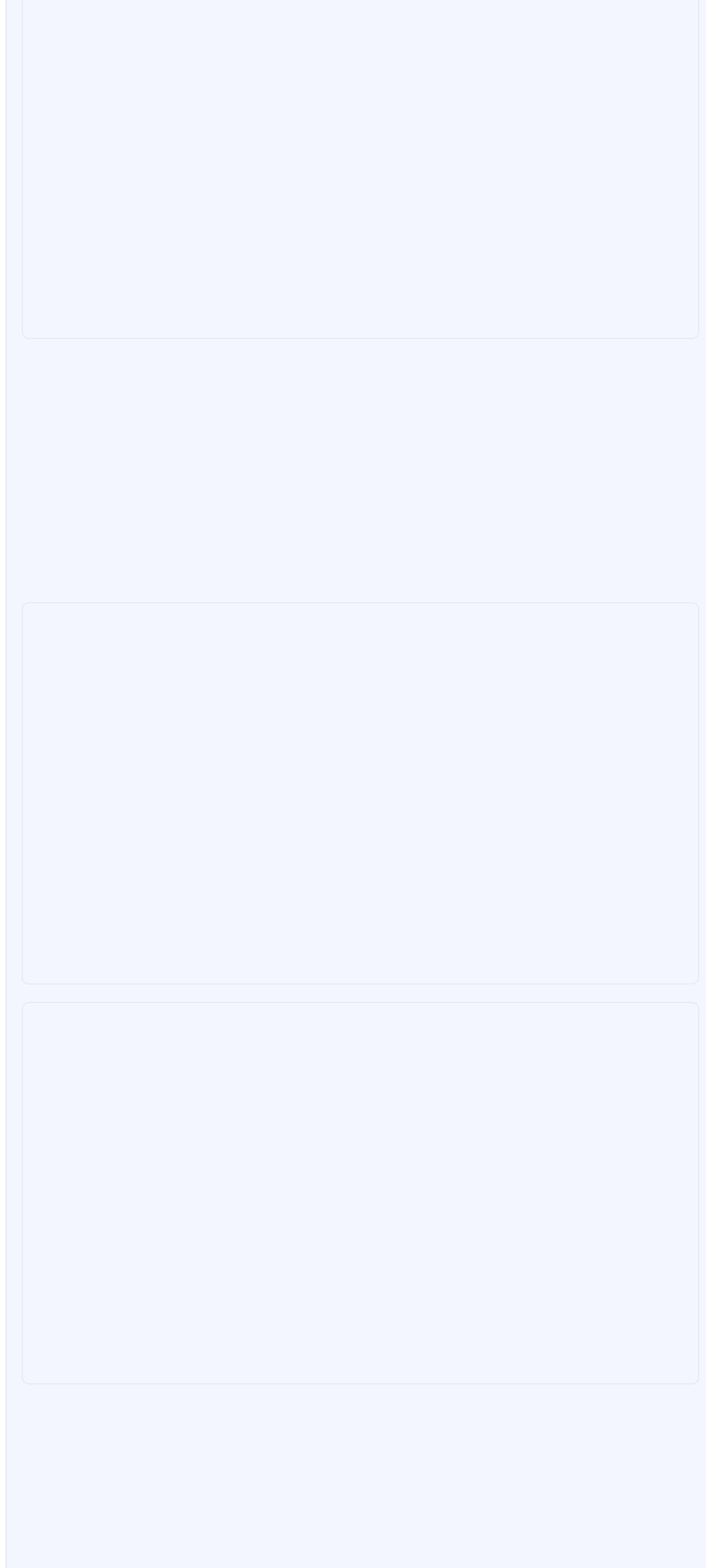
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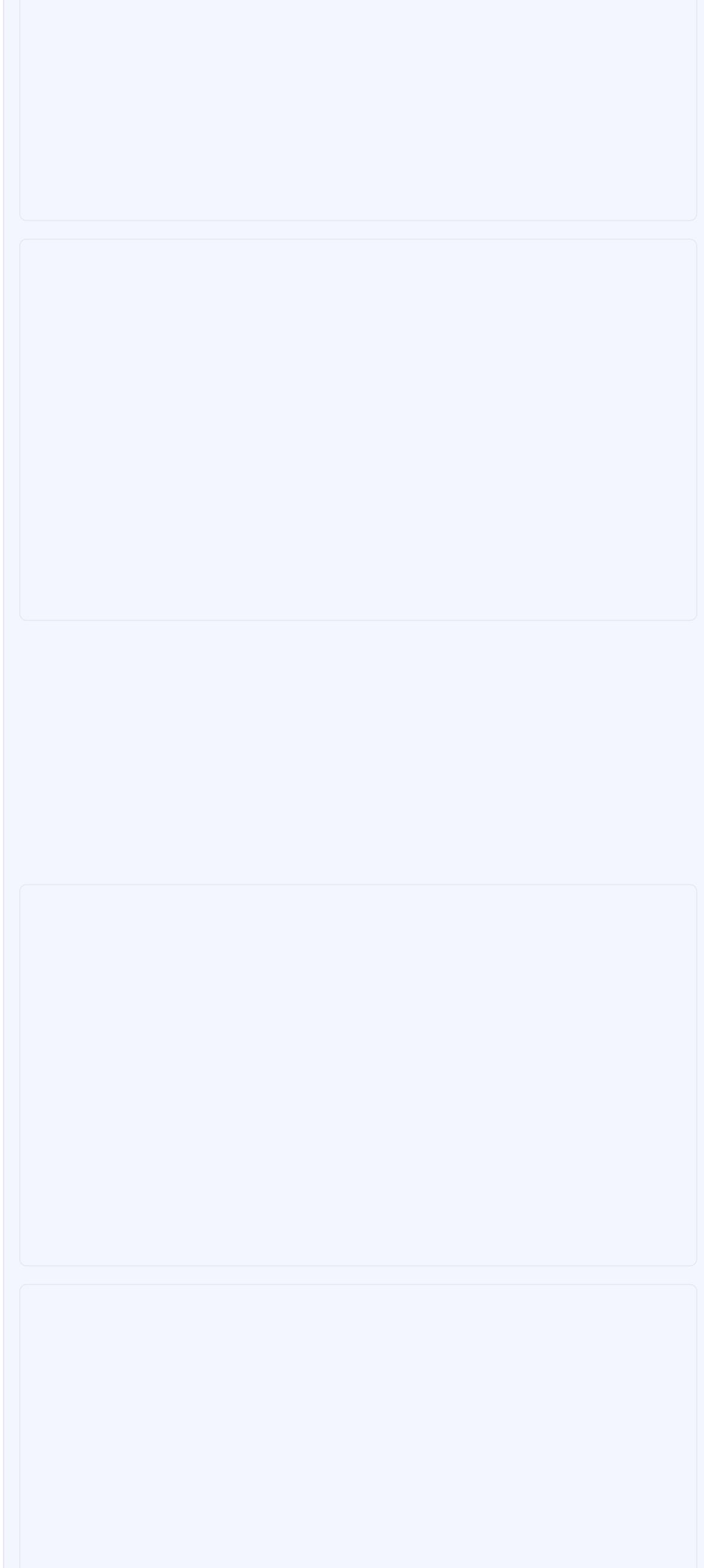
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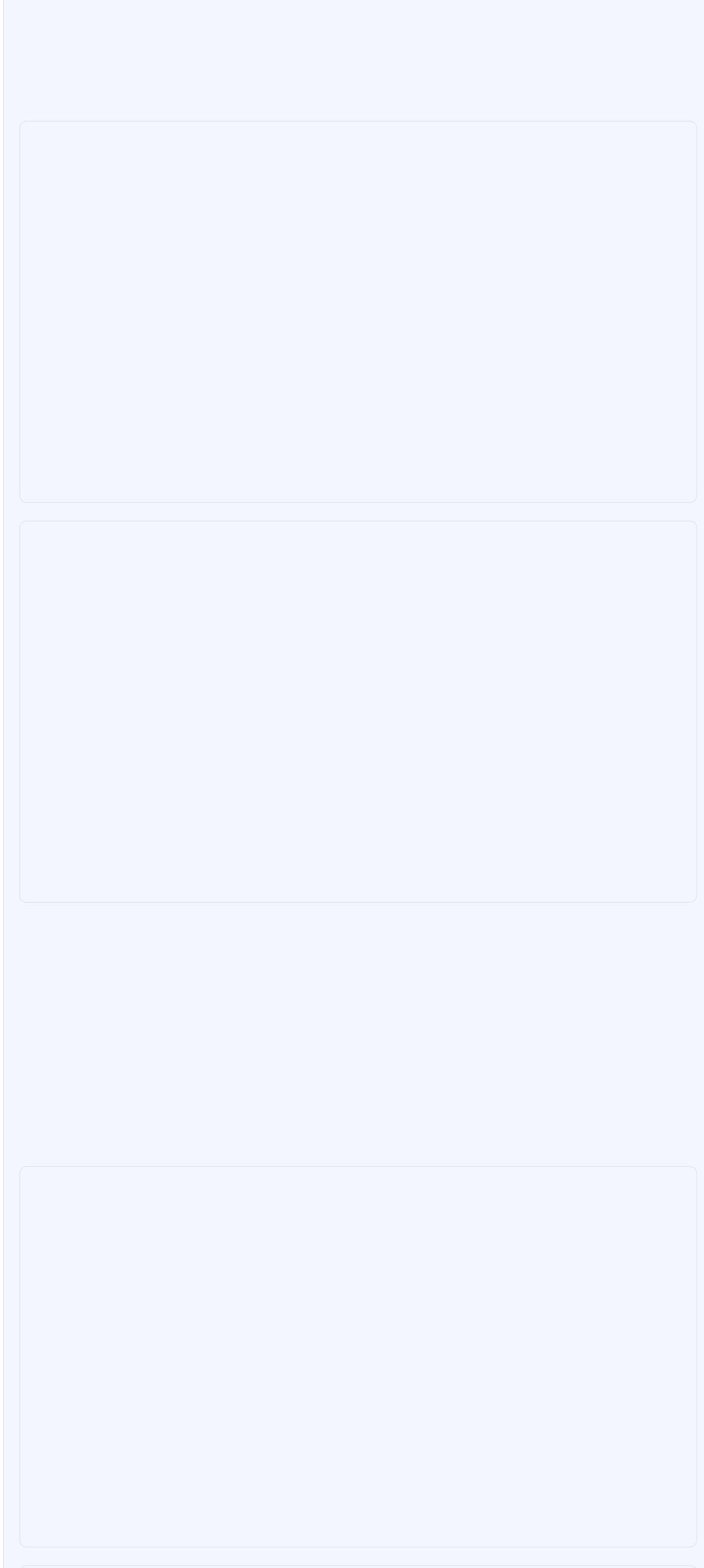
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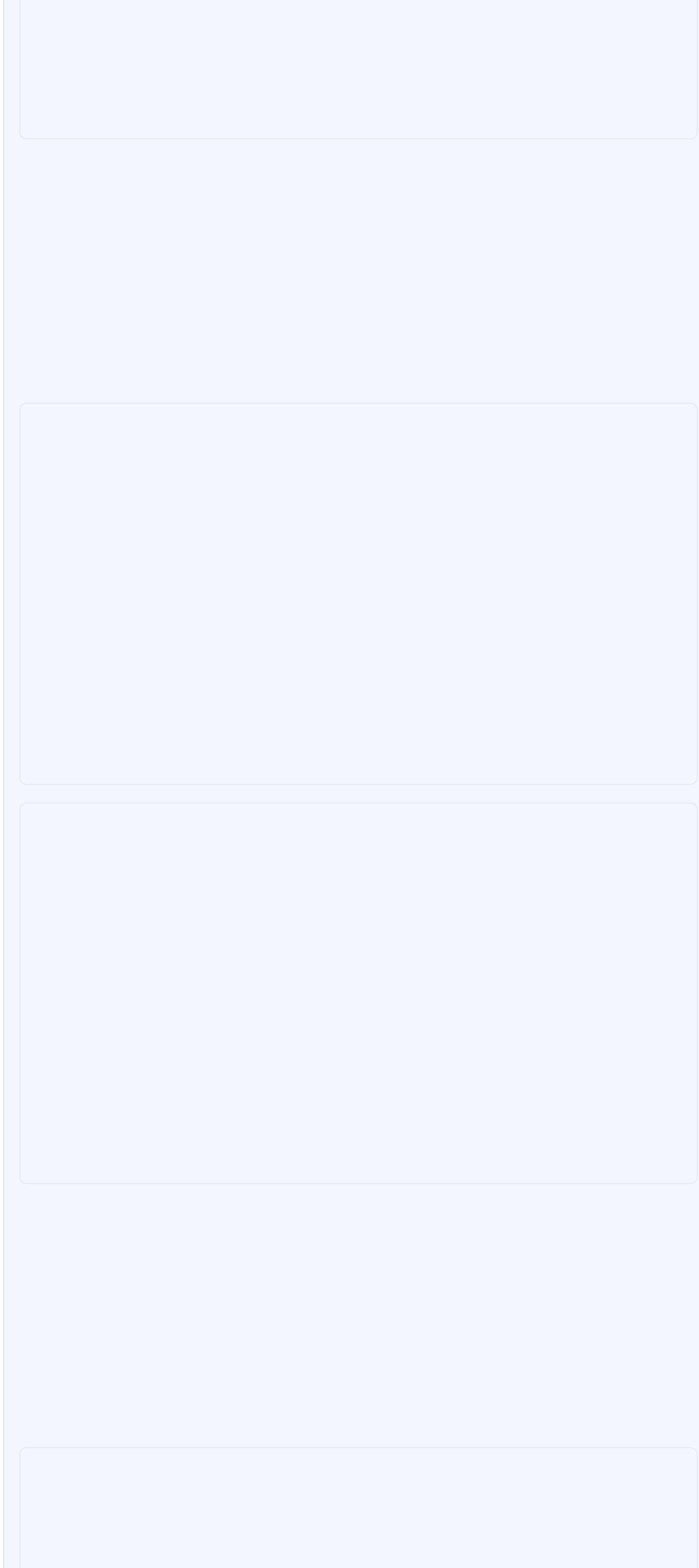
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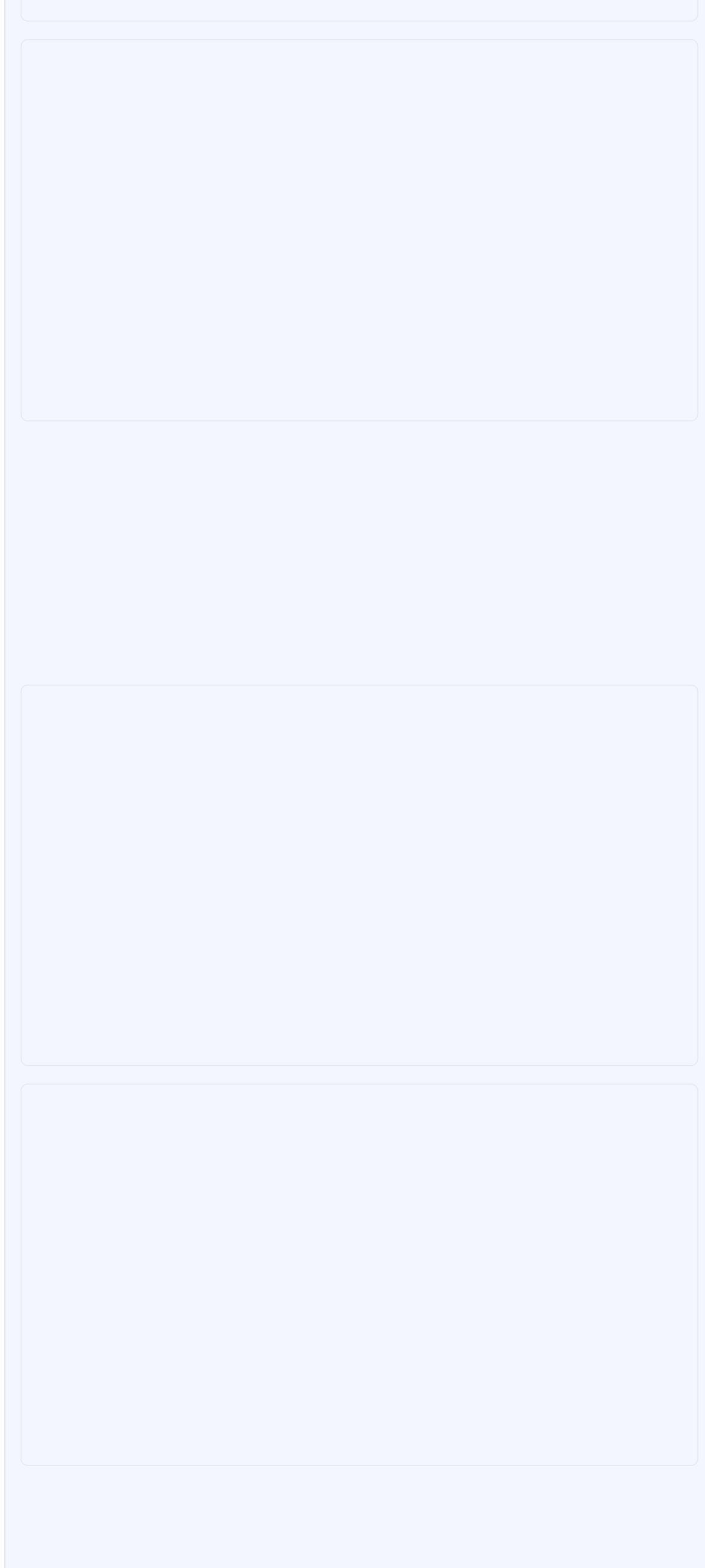
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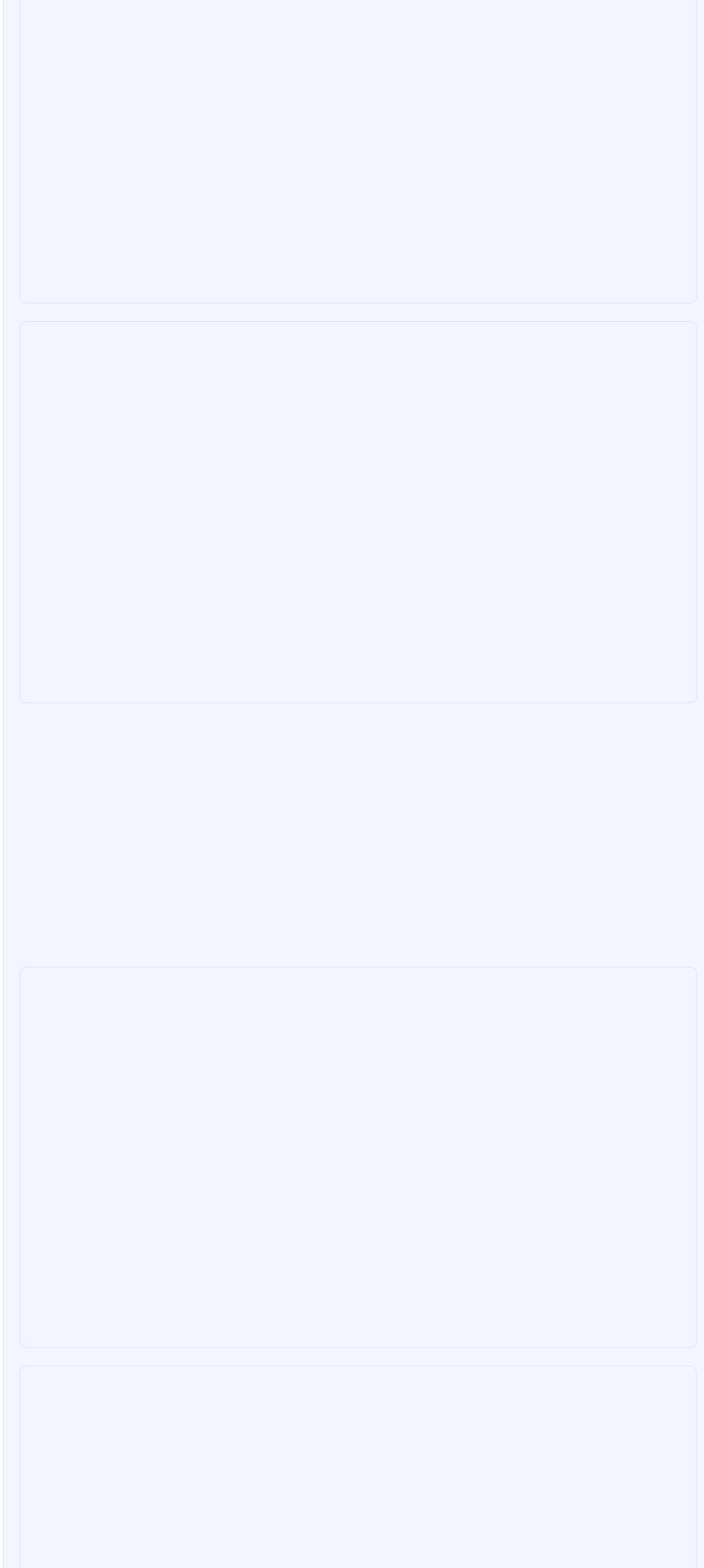
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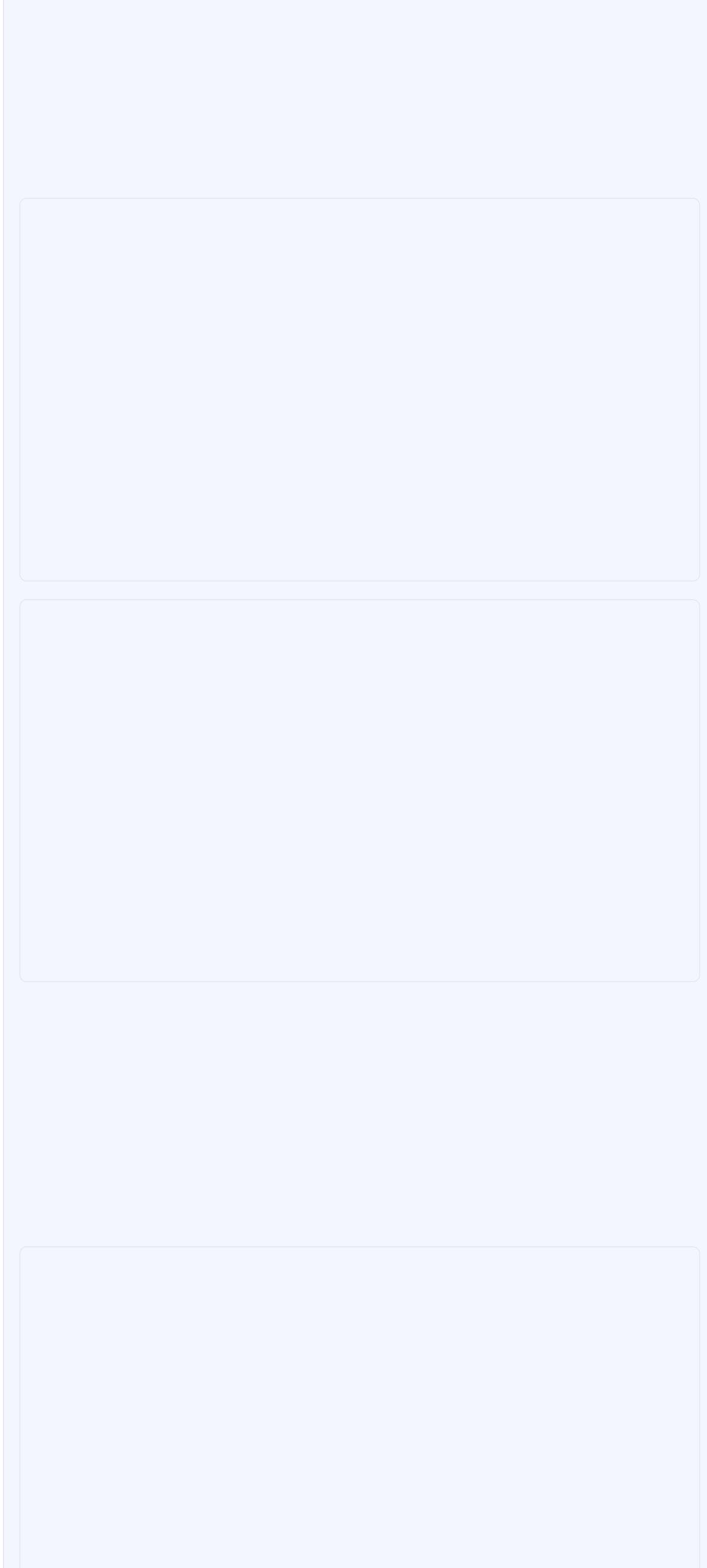
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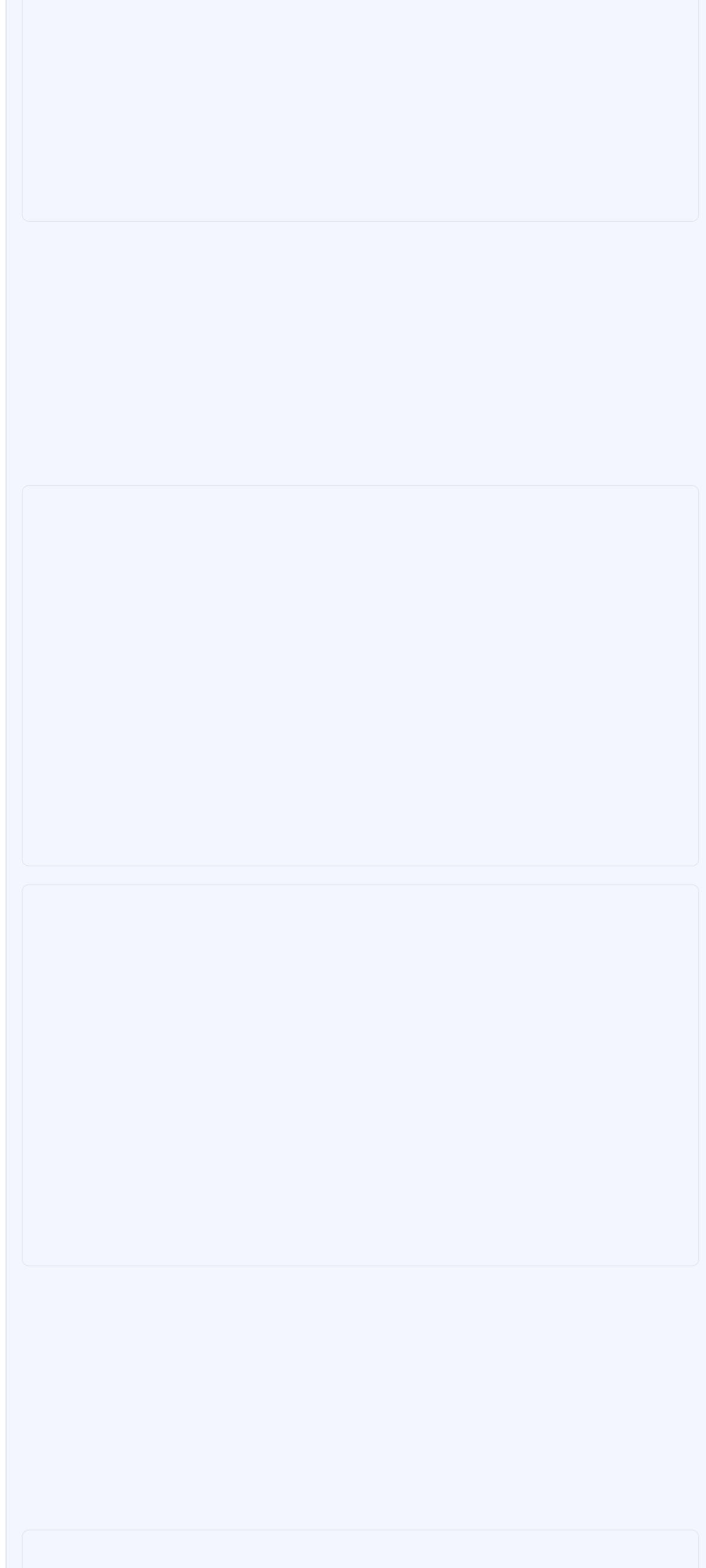
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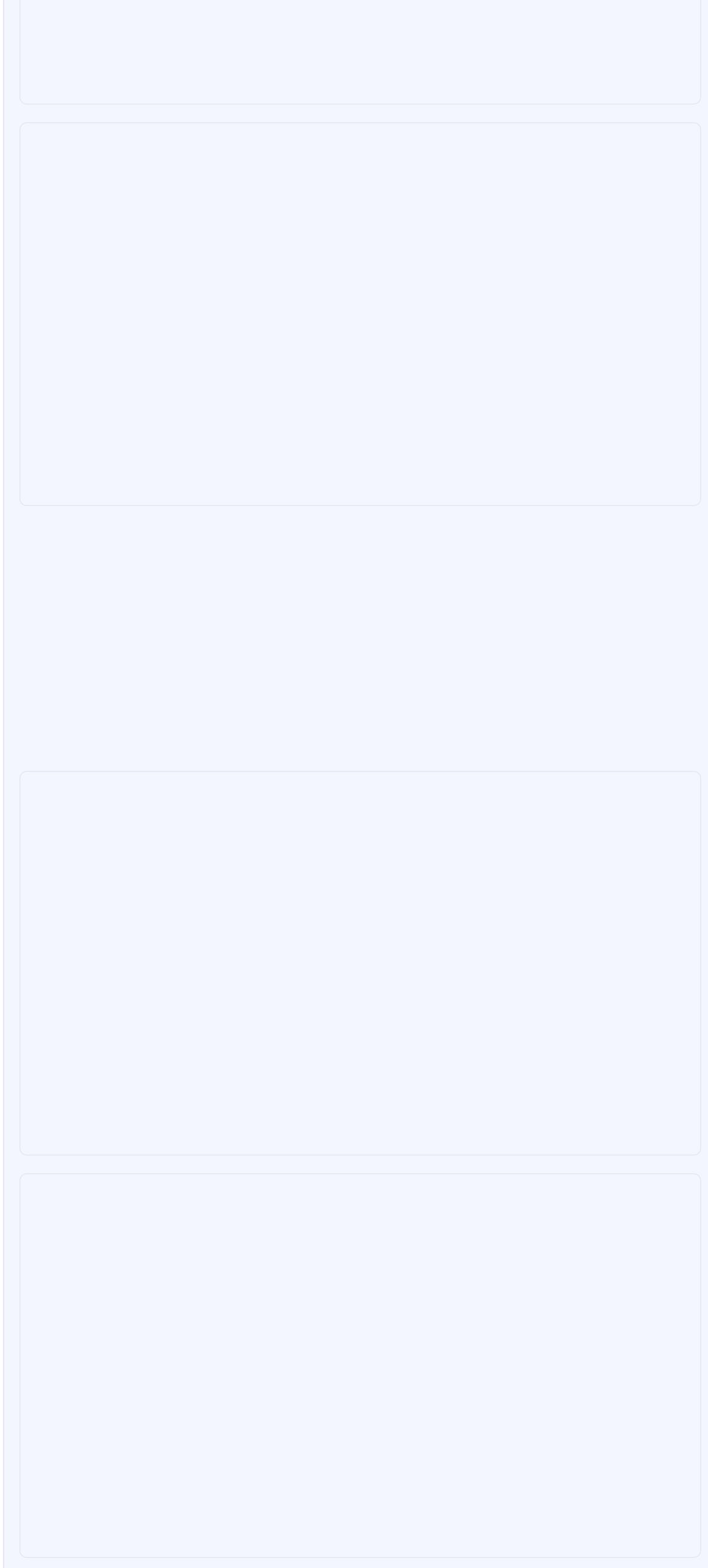
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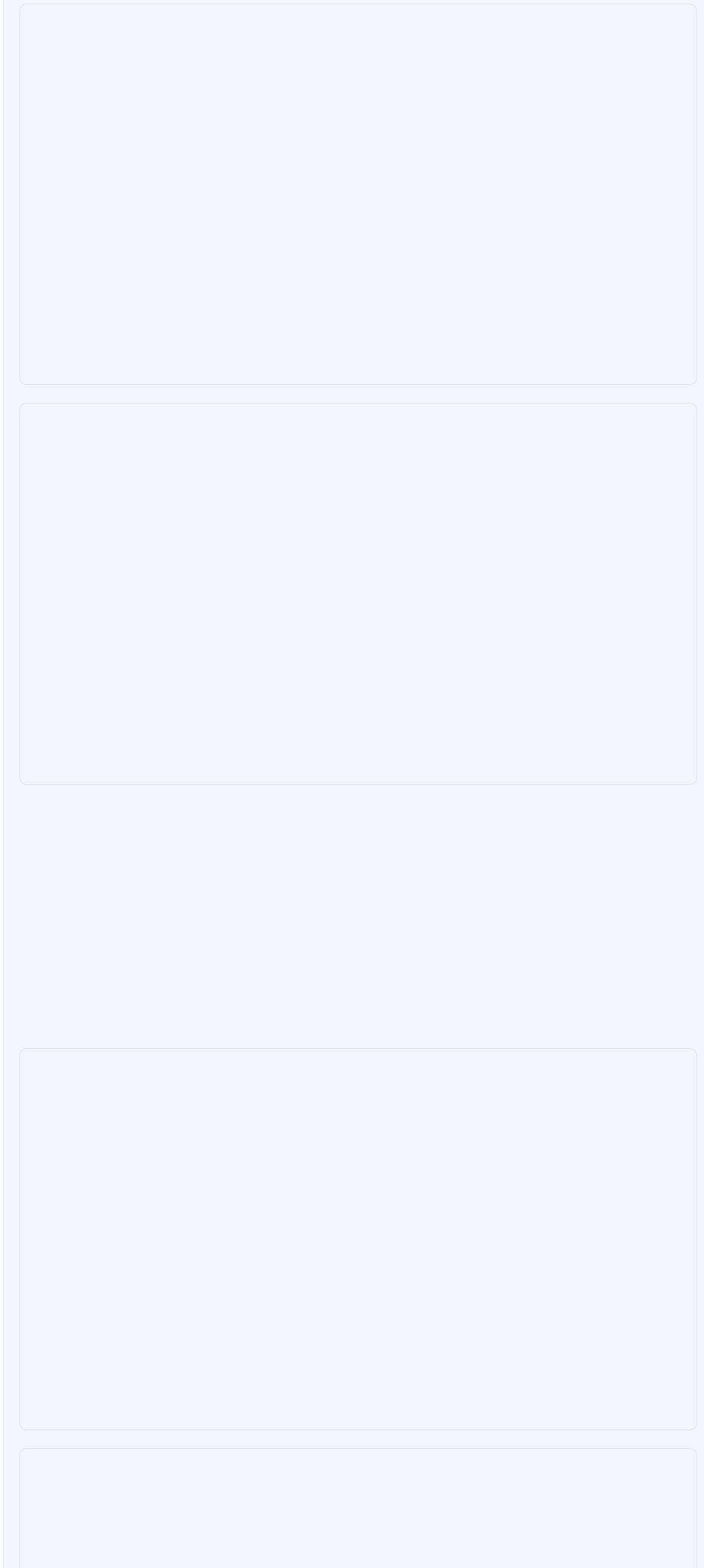
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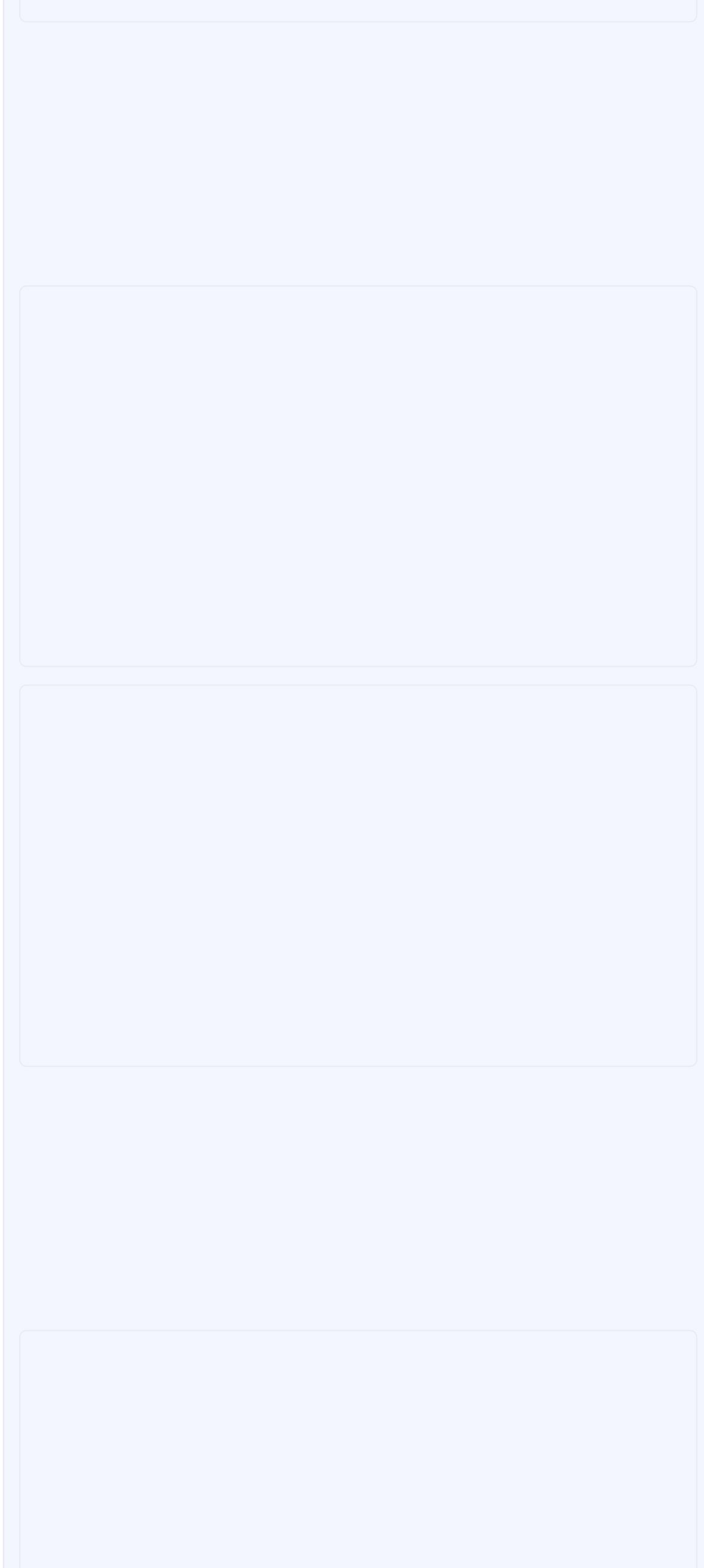
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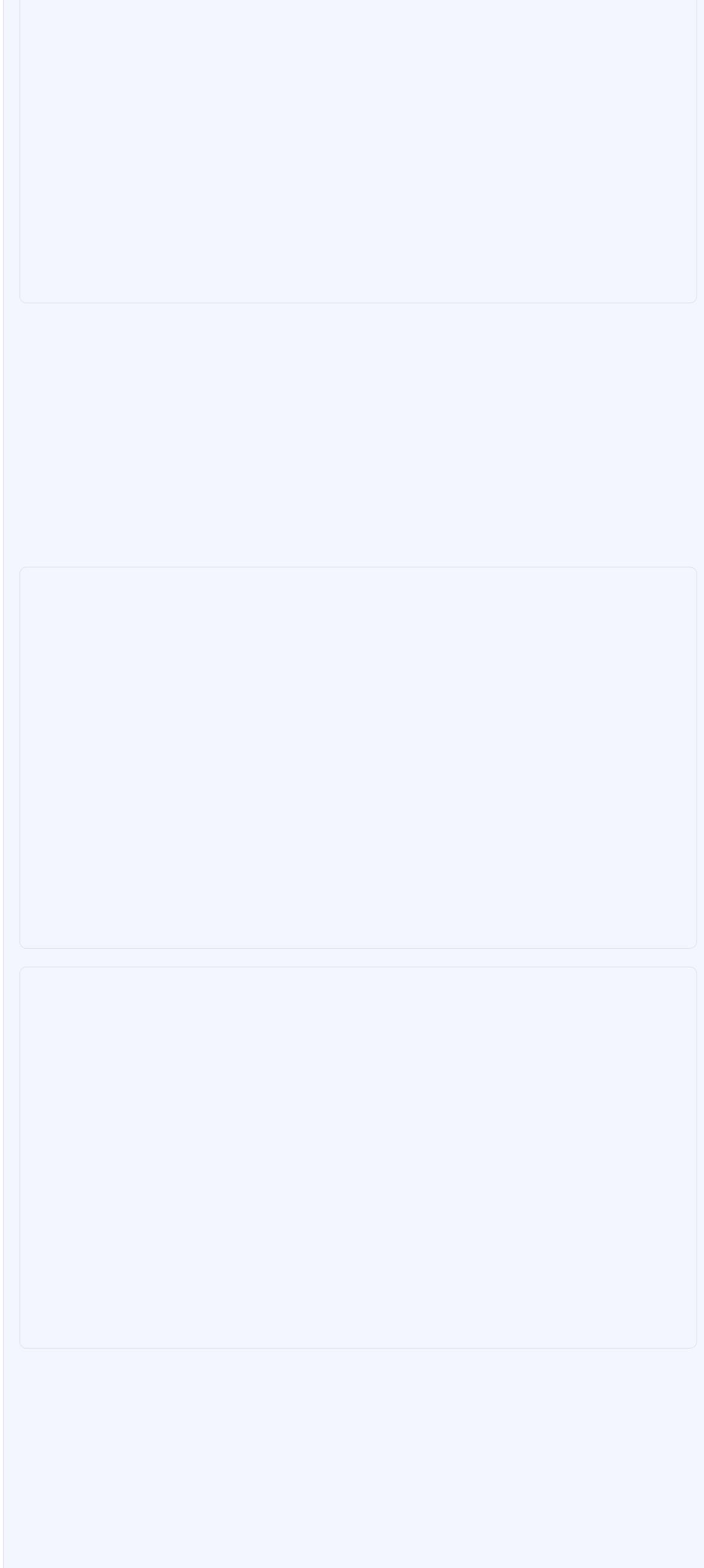
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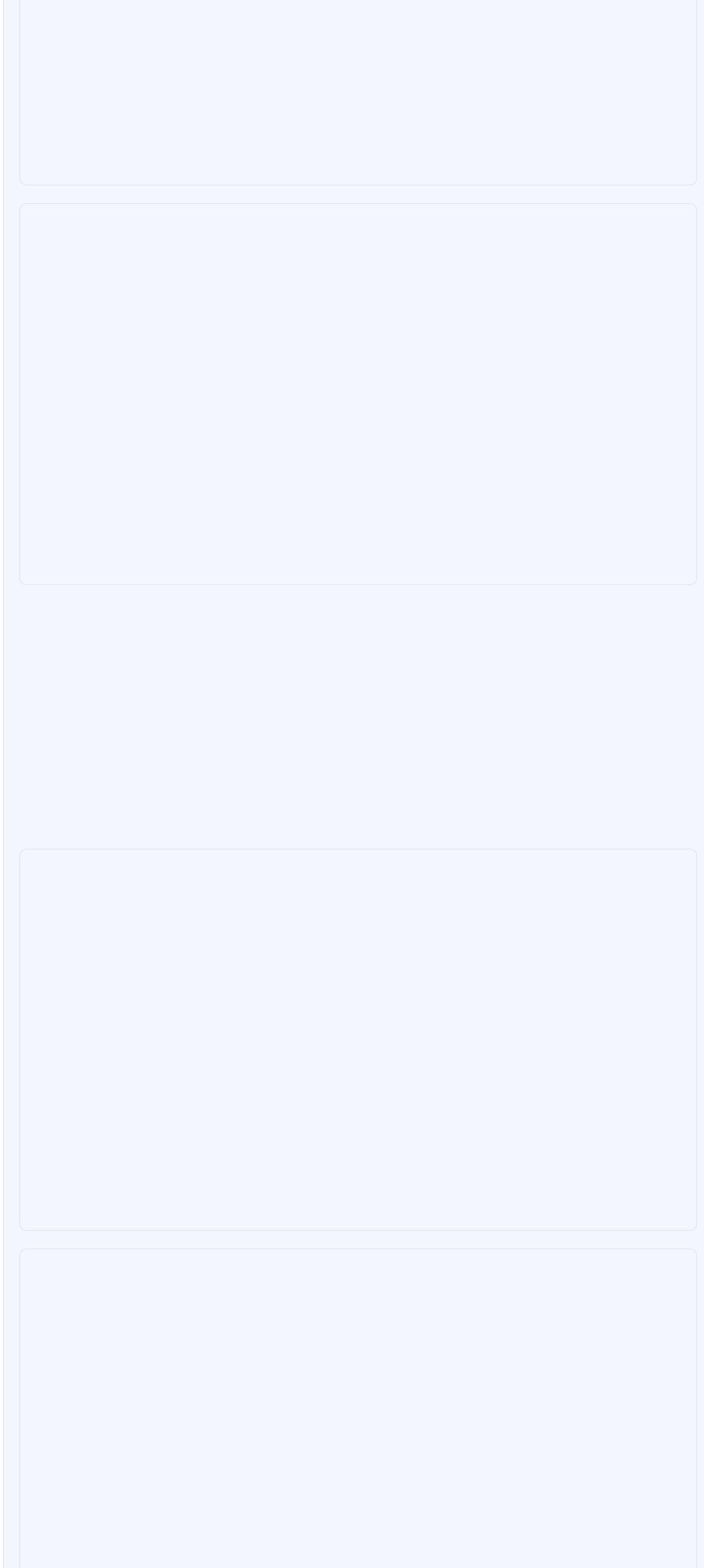
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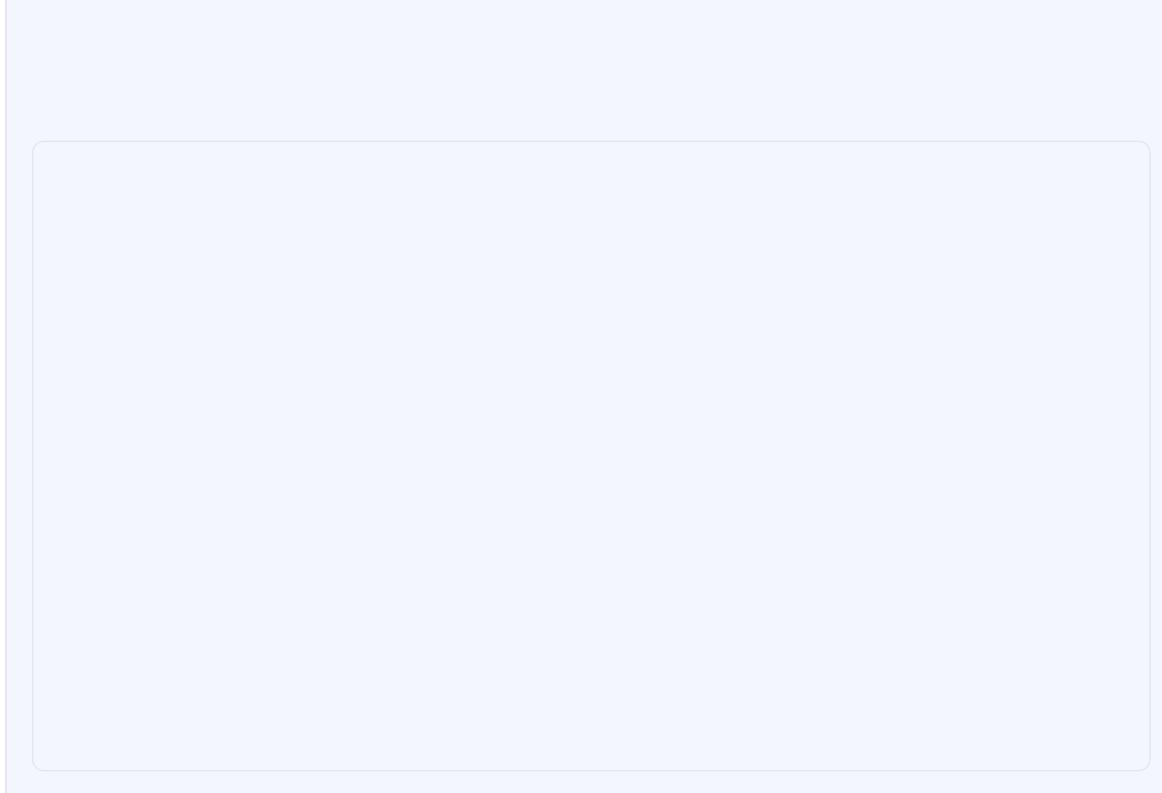
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