

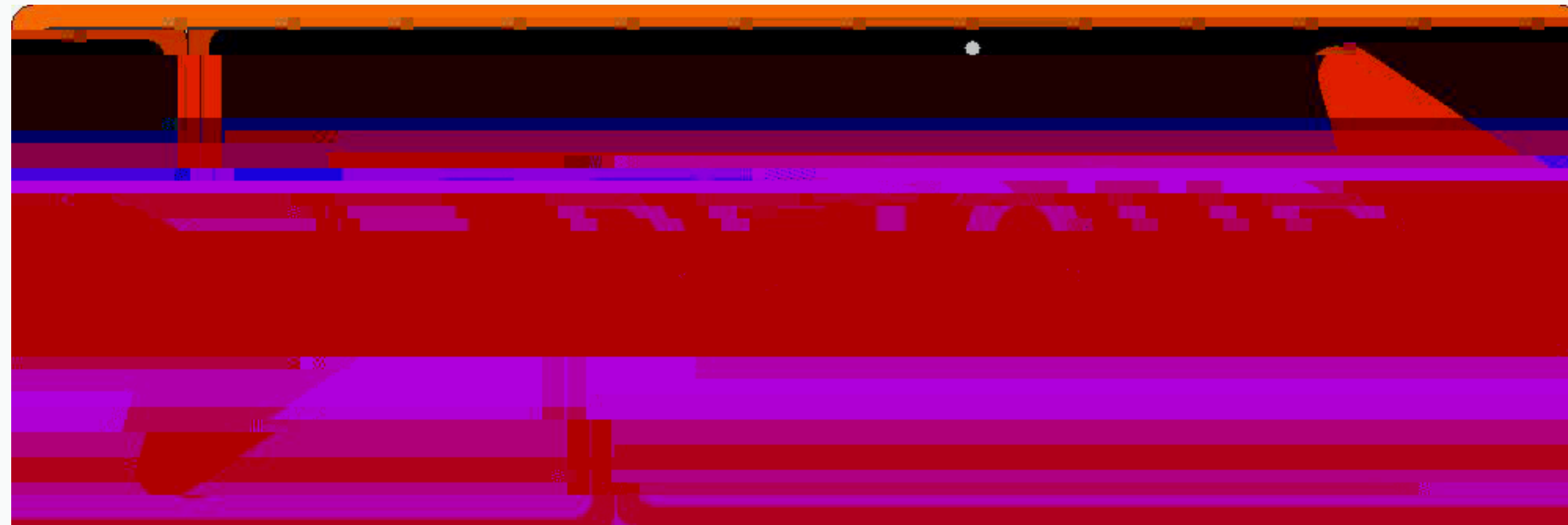


MASSACHUSETTS INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
SCIENCE CENTER

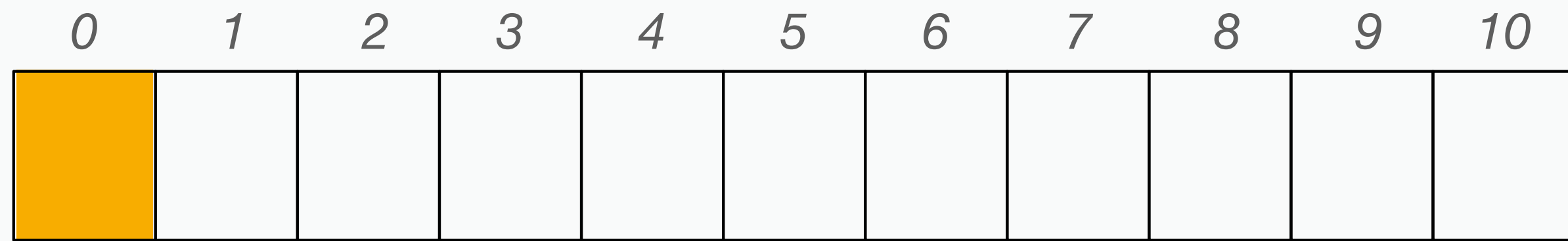
Hash Tables: Rehashing

Questions from our previous video

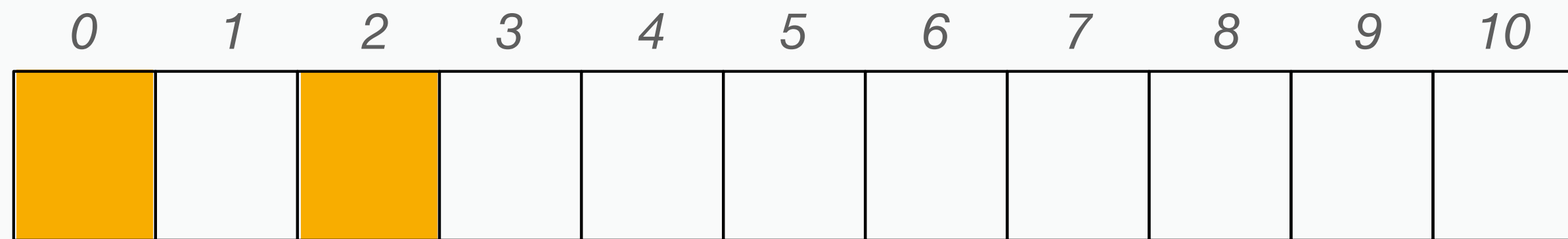
Questions from our previous video



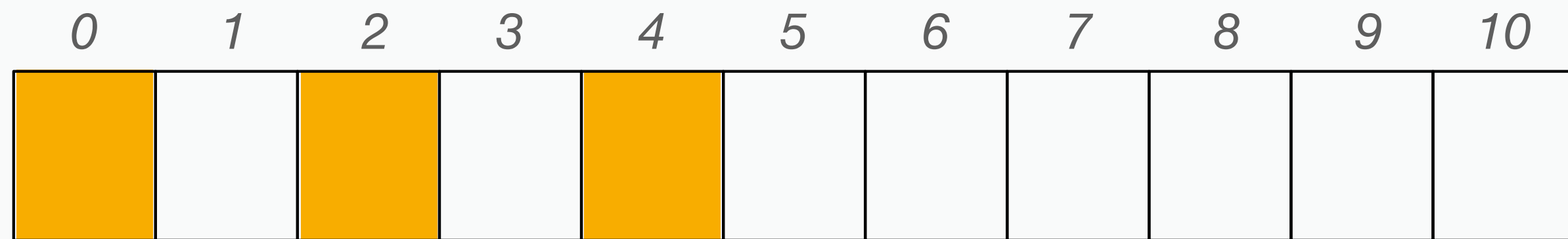
Why prime numbers are good sizes



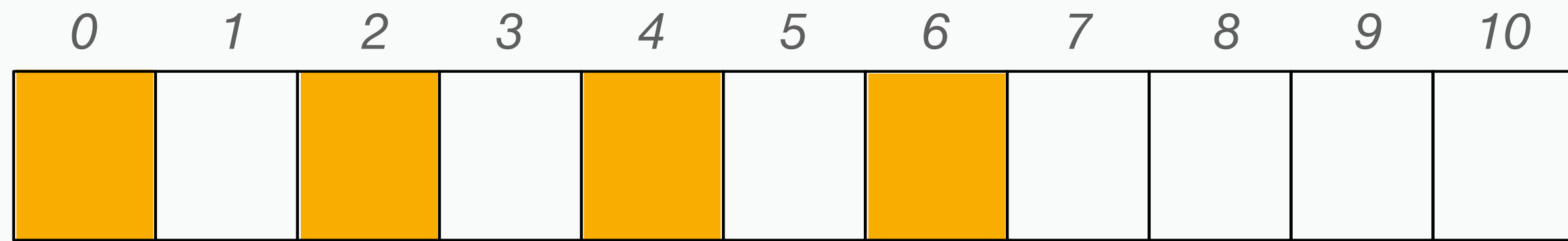
Why prime numbers are good sizes



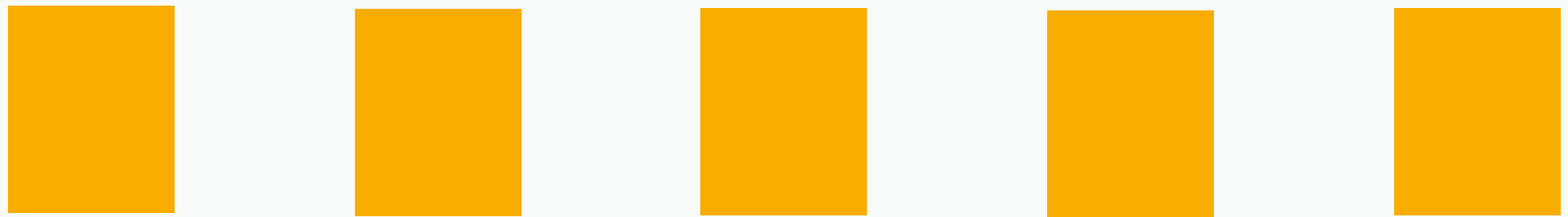
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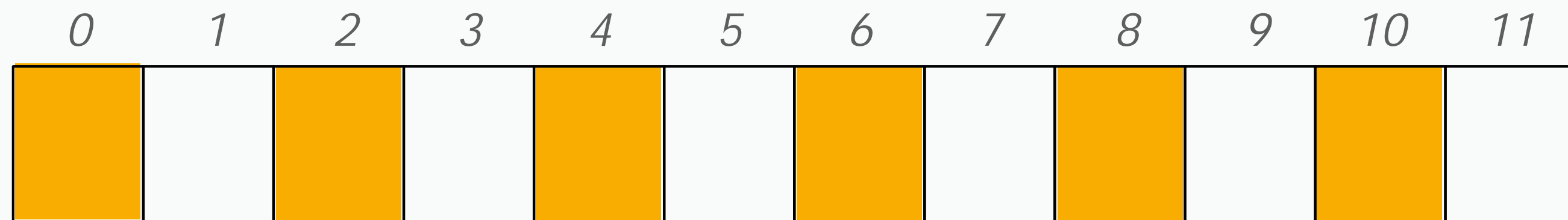
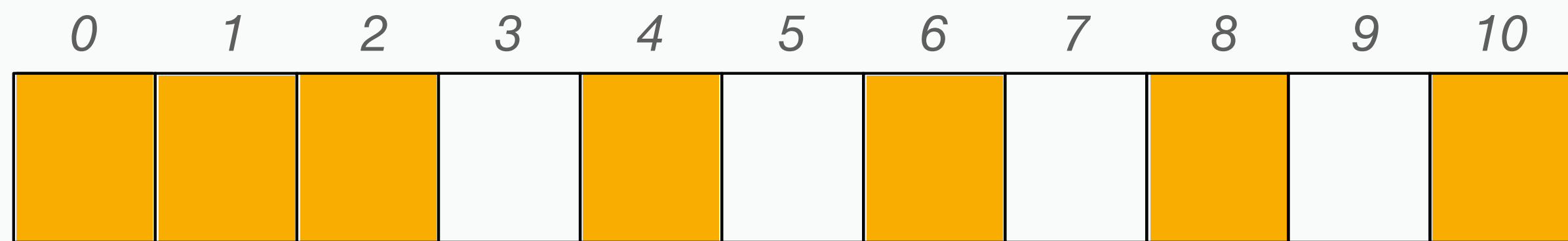
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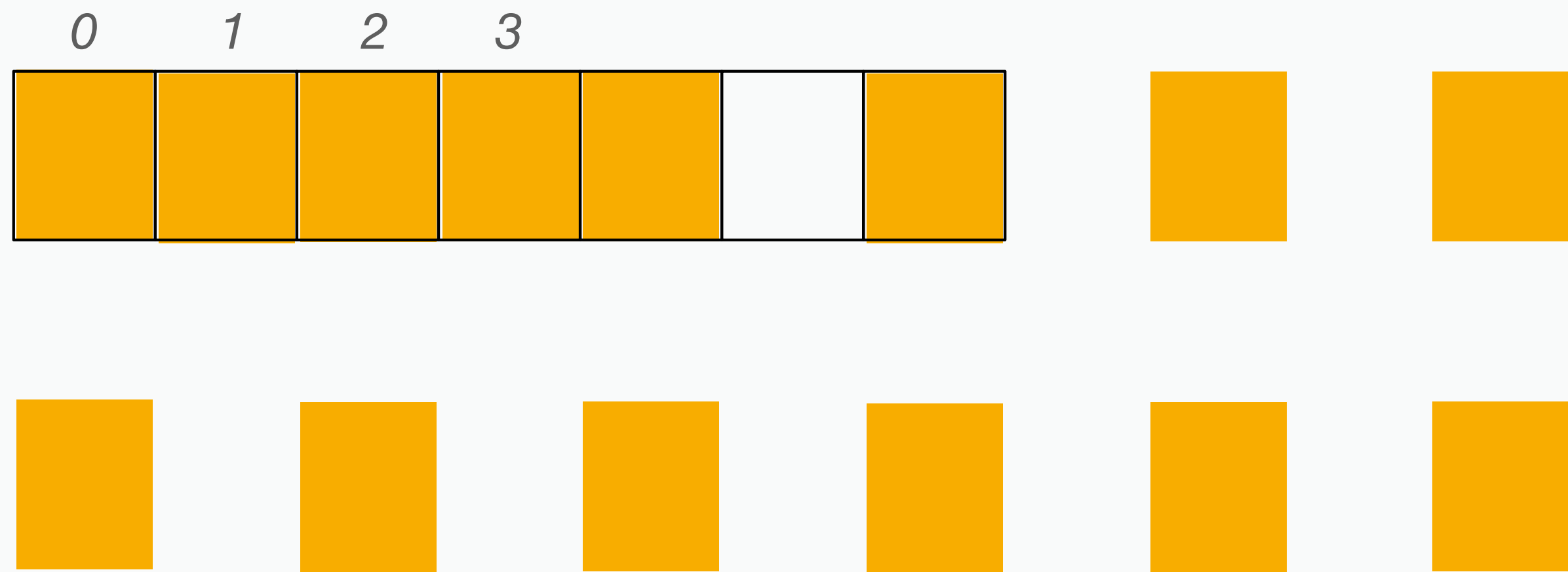
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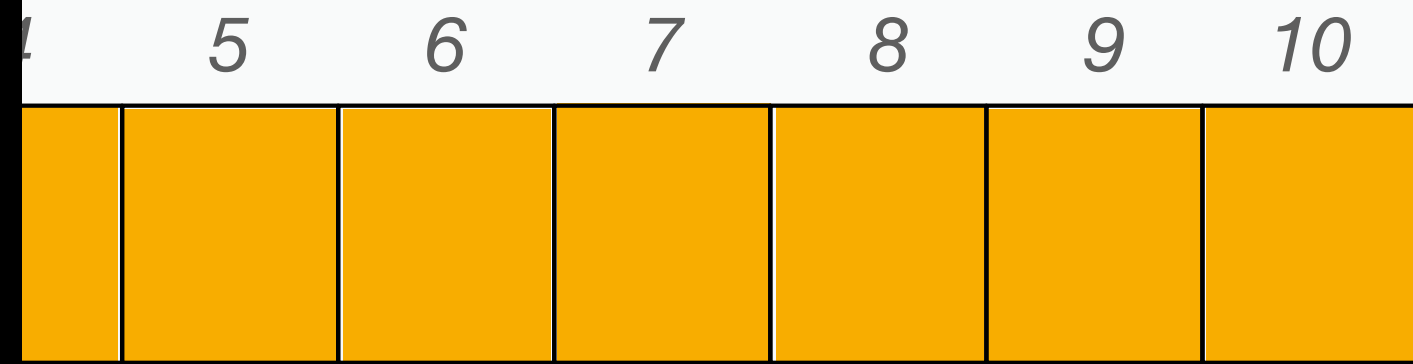
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Rehashing

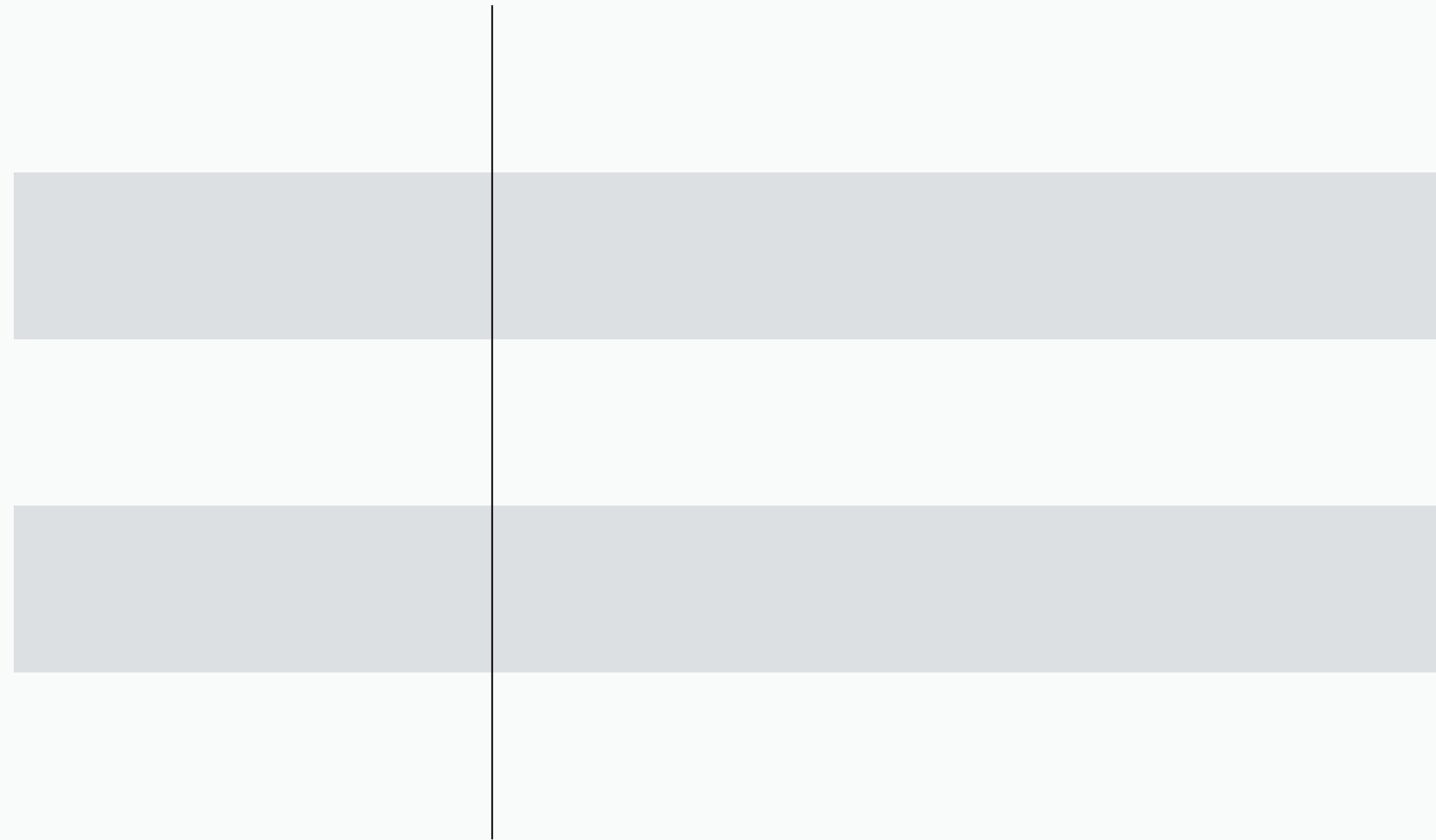
Rehashing

Rehashing

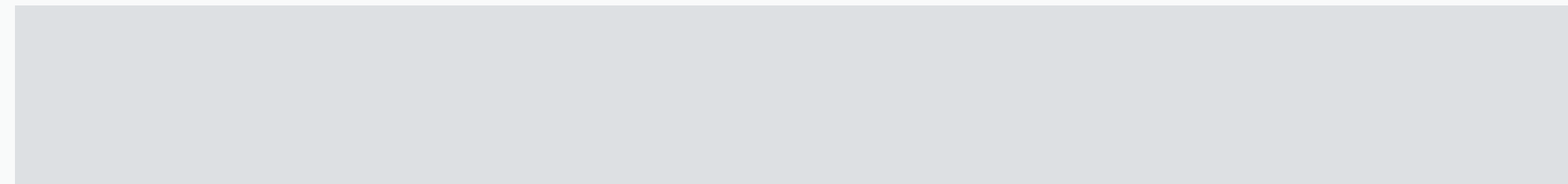
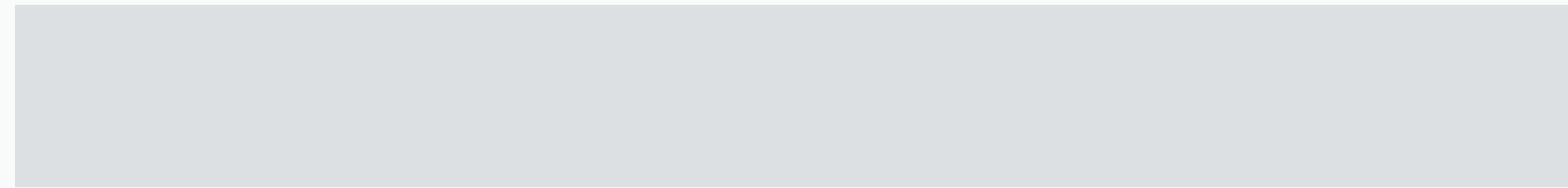
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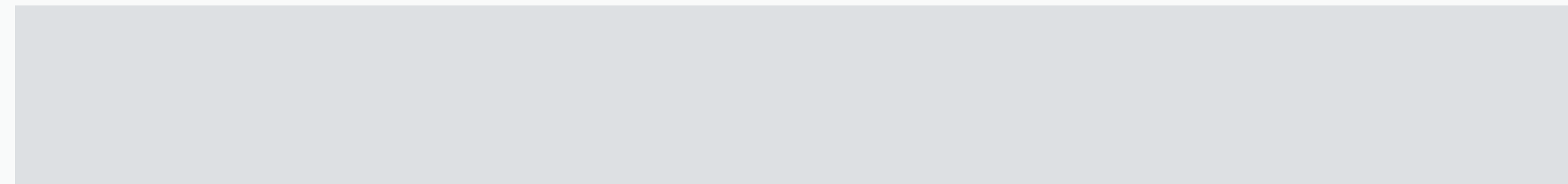
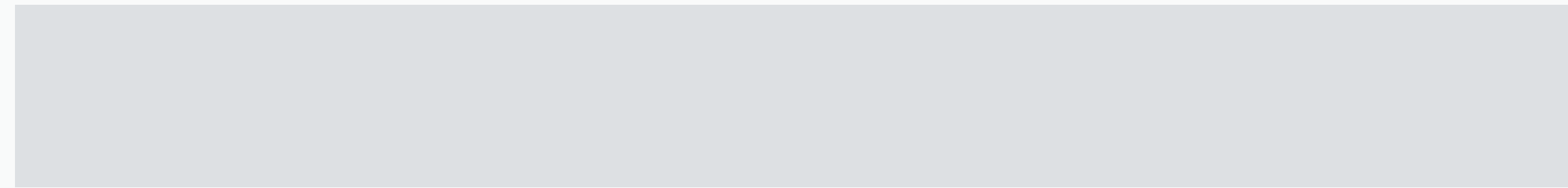


Rehashing

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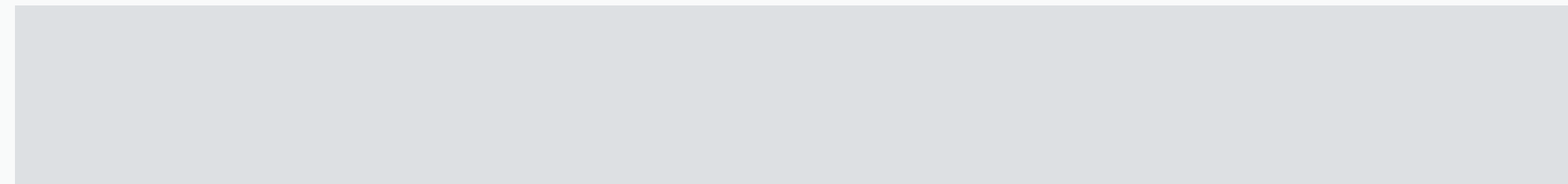
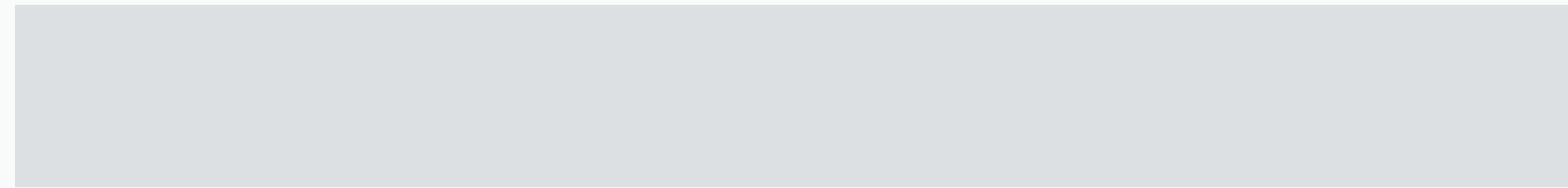
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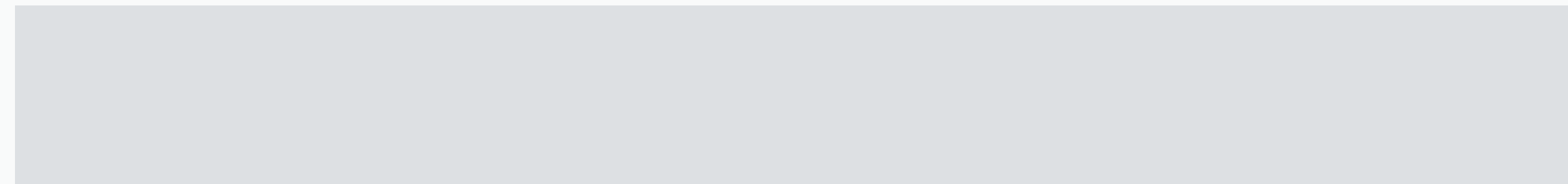
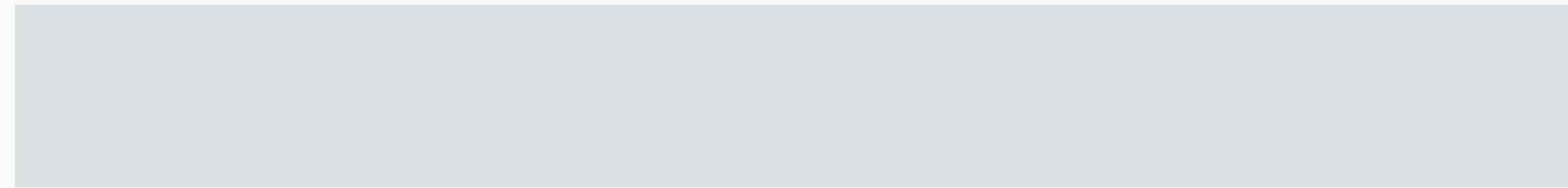


Rehashing

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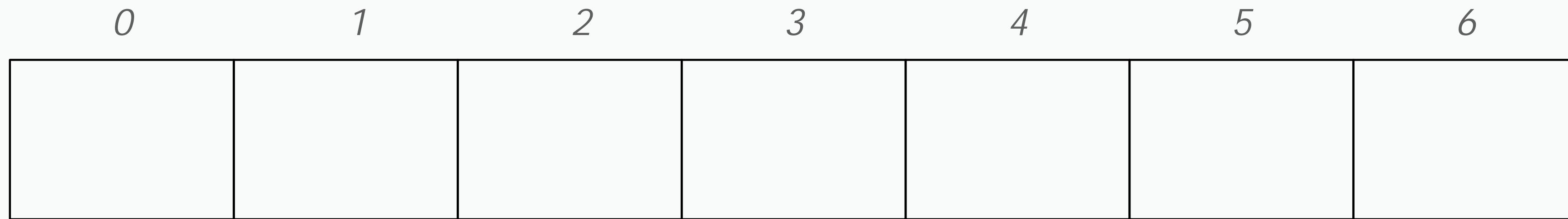


Rehashing



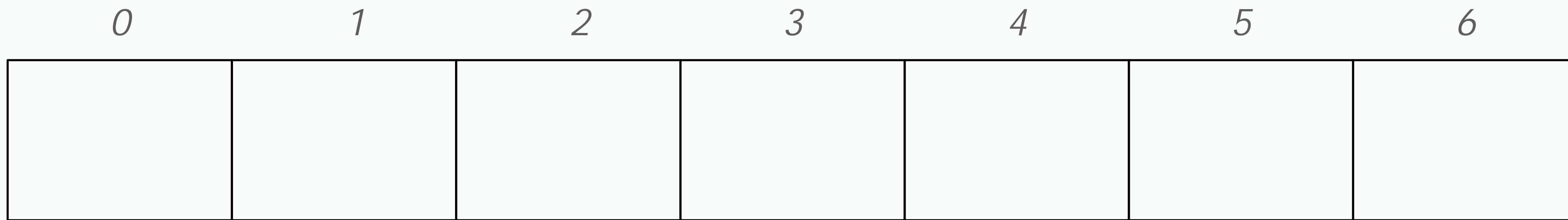
Rehashing

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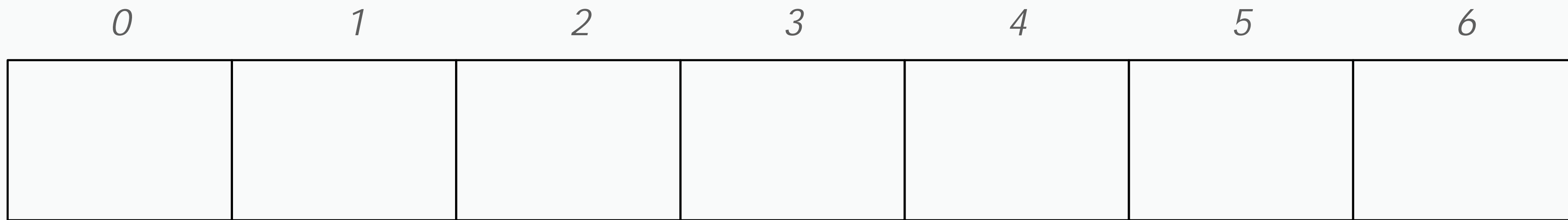
$f(x)$ x

Rehashing



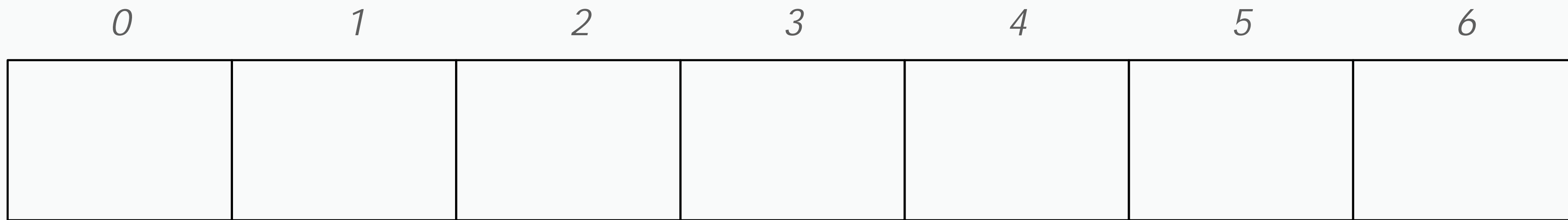
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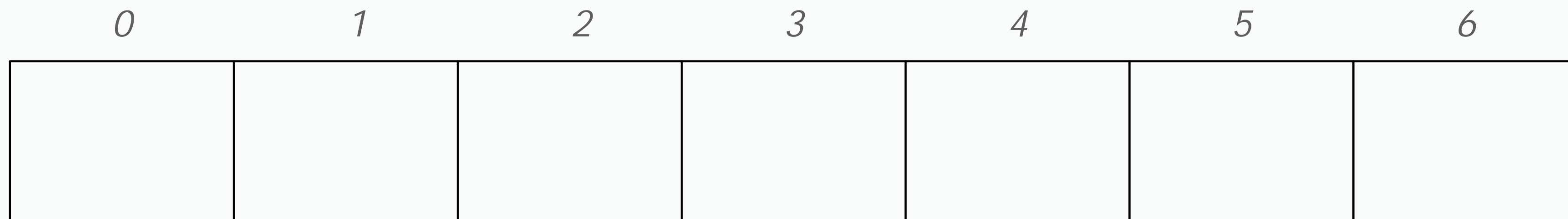
$f(x)$ x

Rehashing



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Rehashing



$f(x)$ x

Rehashing

0

1

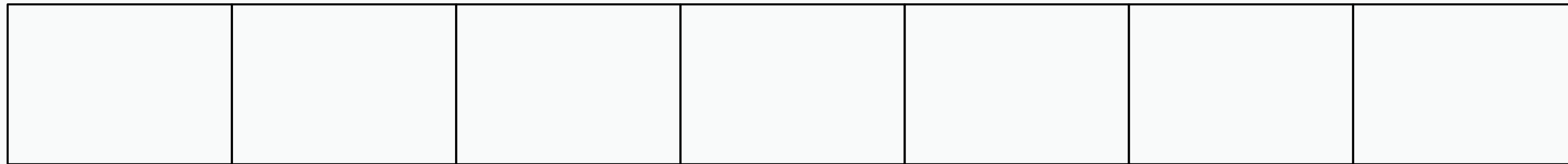
2

3

4

5

6



$f(x)$ x



$f(x)$ x

Rehashing

0

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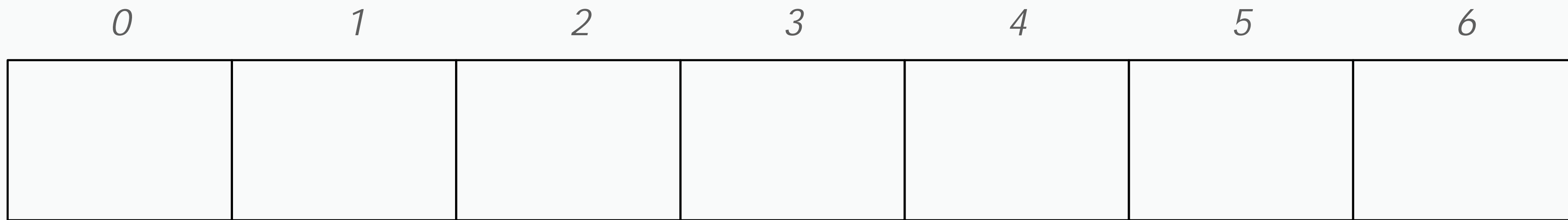


$f(x)$ x



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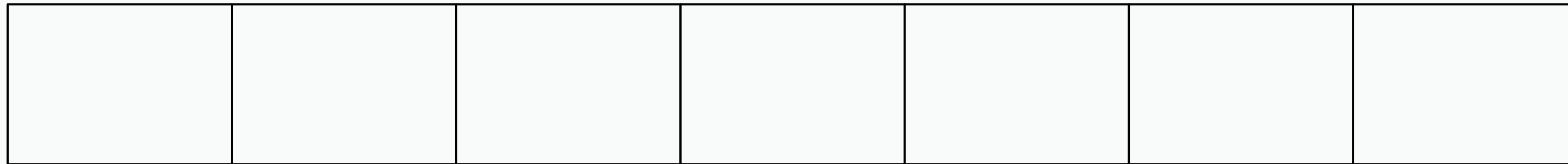
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Rehashing



$f(x)$ x

Rehashing

Rehashing

What do we need to implement rehashing?