

Attachment 11.3a

Willis Risk Services: SA Power Networks Australia Limited Bushfire Modelling

December 2013



SA POWER NETWORKS AUSTRALIA LIMITED

BUSHFIRE MODELLING

December 2013

Willis

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OBJECTIVE

Willis has undertaken a bushfire risk assessment with the objective of estimating the maximum probable loss for a given bushfire event resulting from ignition along SA Power Networks' distribution line network.

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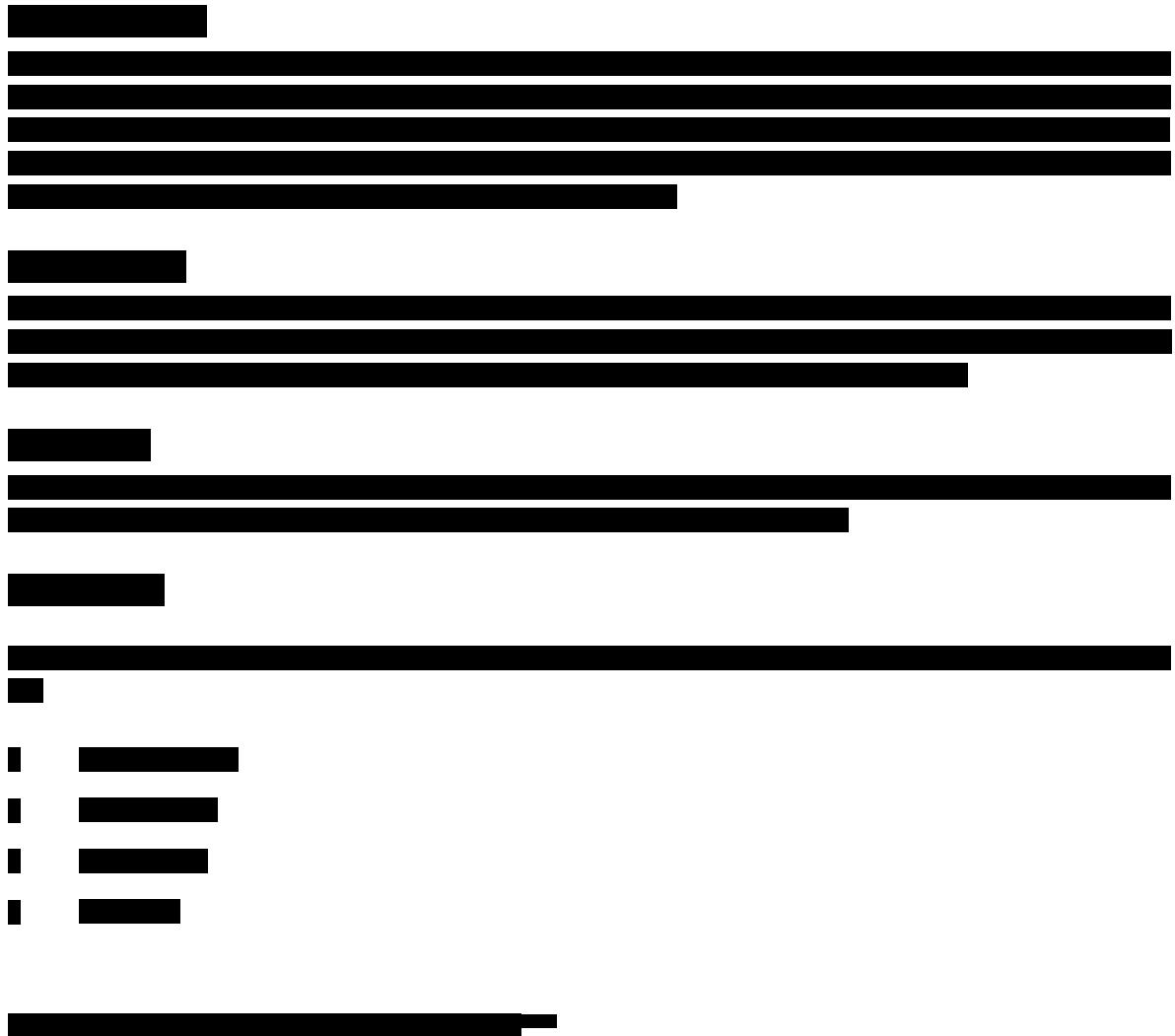
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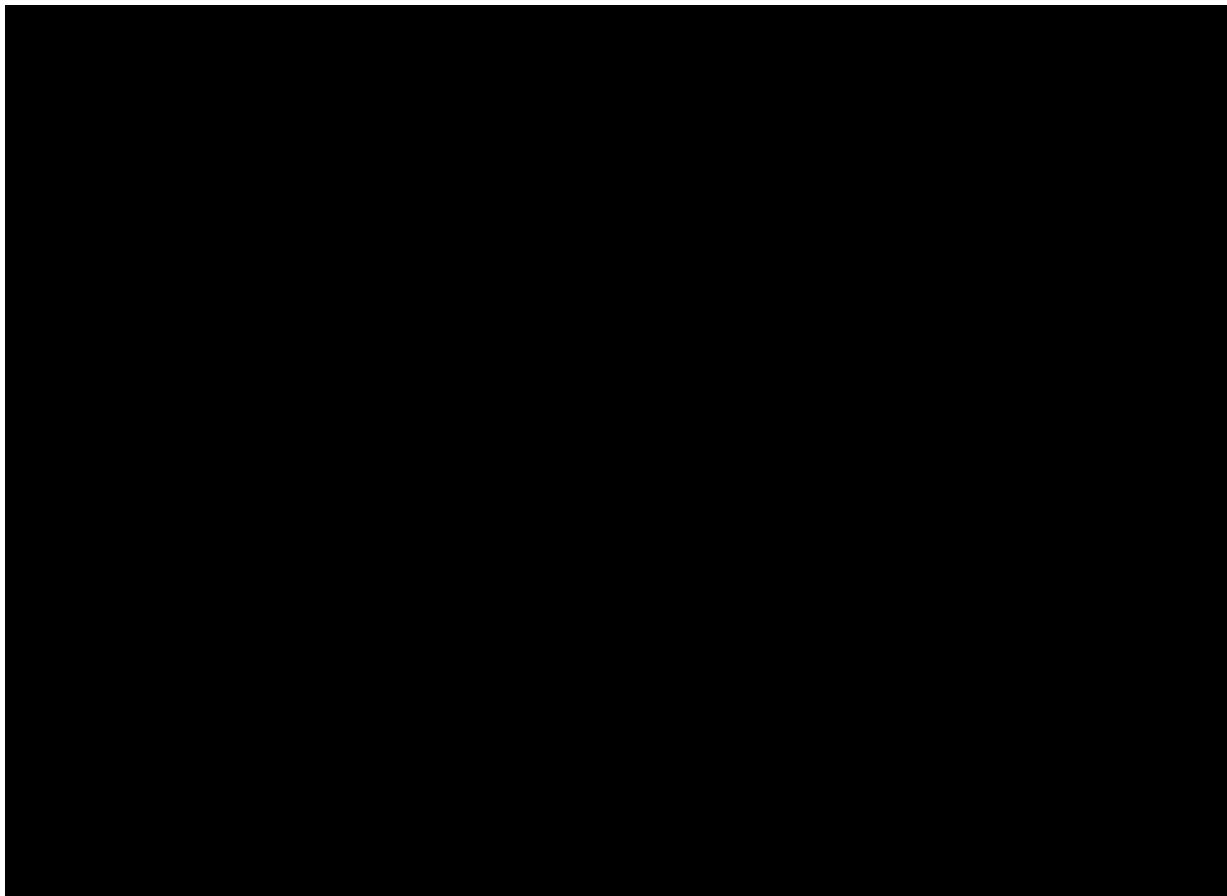
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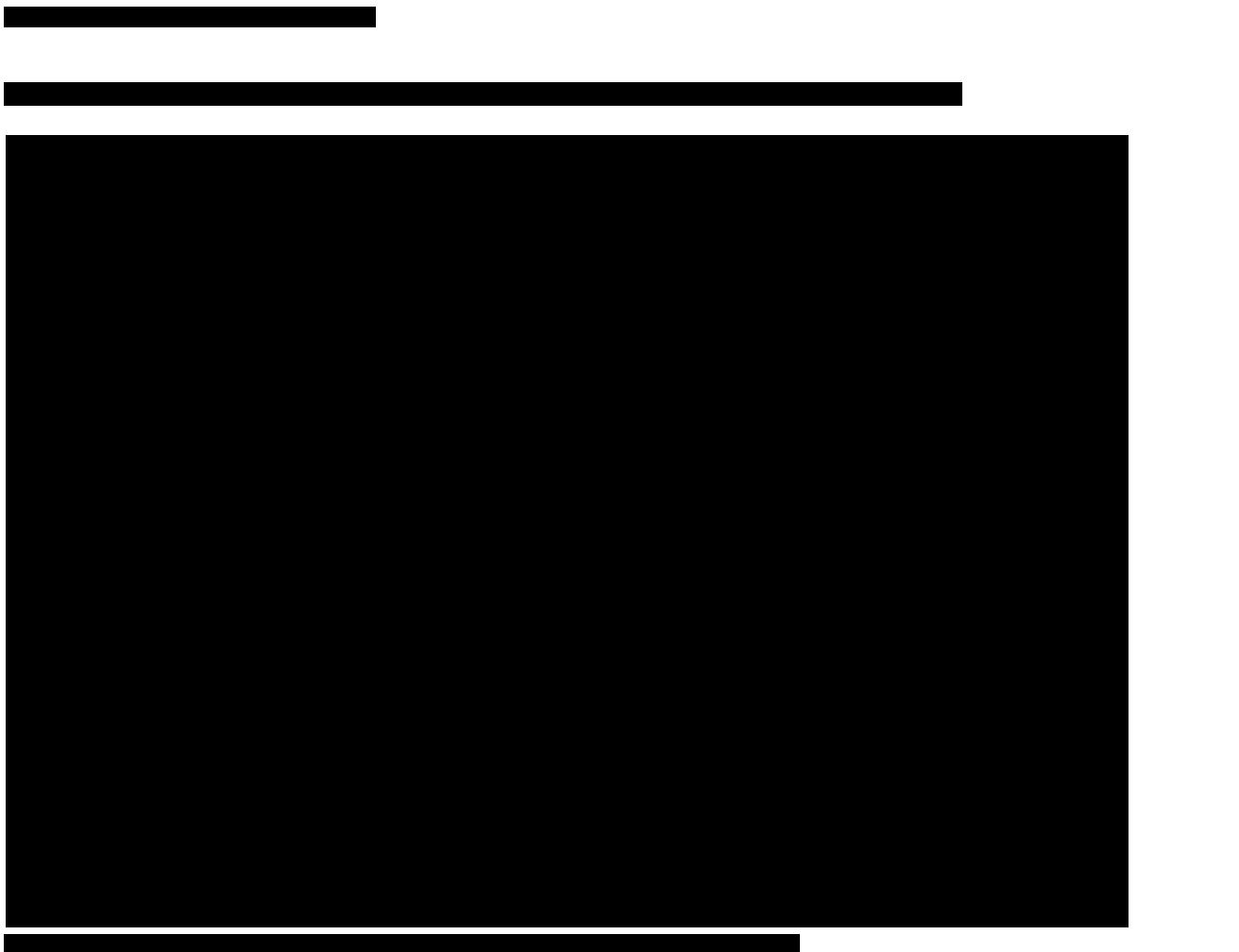
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- A bar chart illustrating the distribution of 1000 random numbers generated between 0 and 1. The x-axis represents the value of the random number, ranging from 0 to 1. The y-axis represents the frequency of each bin, ranging from 0 to 100. The distribution is approximately uniform, with most bars having a frequency of 10. There are several outliers: one bar at approximately 0.2 has a frequency of 1; one bar at approximately 0.3 has a frequency of 1; one bar at approximately 0.4 has a frequency of 1; one bar at approximately 0.5 has a frequency of 1; one bar at approximately 0.6 has a frequency of 1; one bar at approximately 0.7 has a frequency of 1; one bar at approximately 0.8 has a frequency of 1; one bar at approximately 0.9 has a frequency of 1; and one bar at approximately 1.0 has a frequency of 1.

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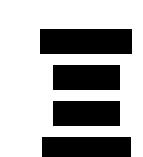
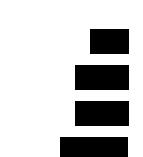
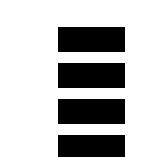
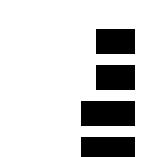




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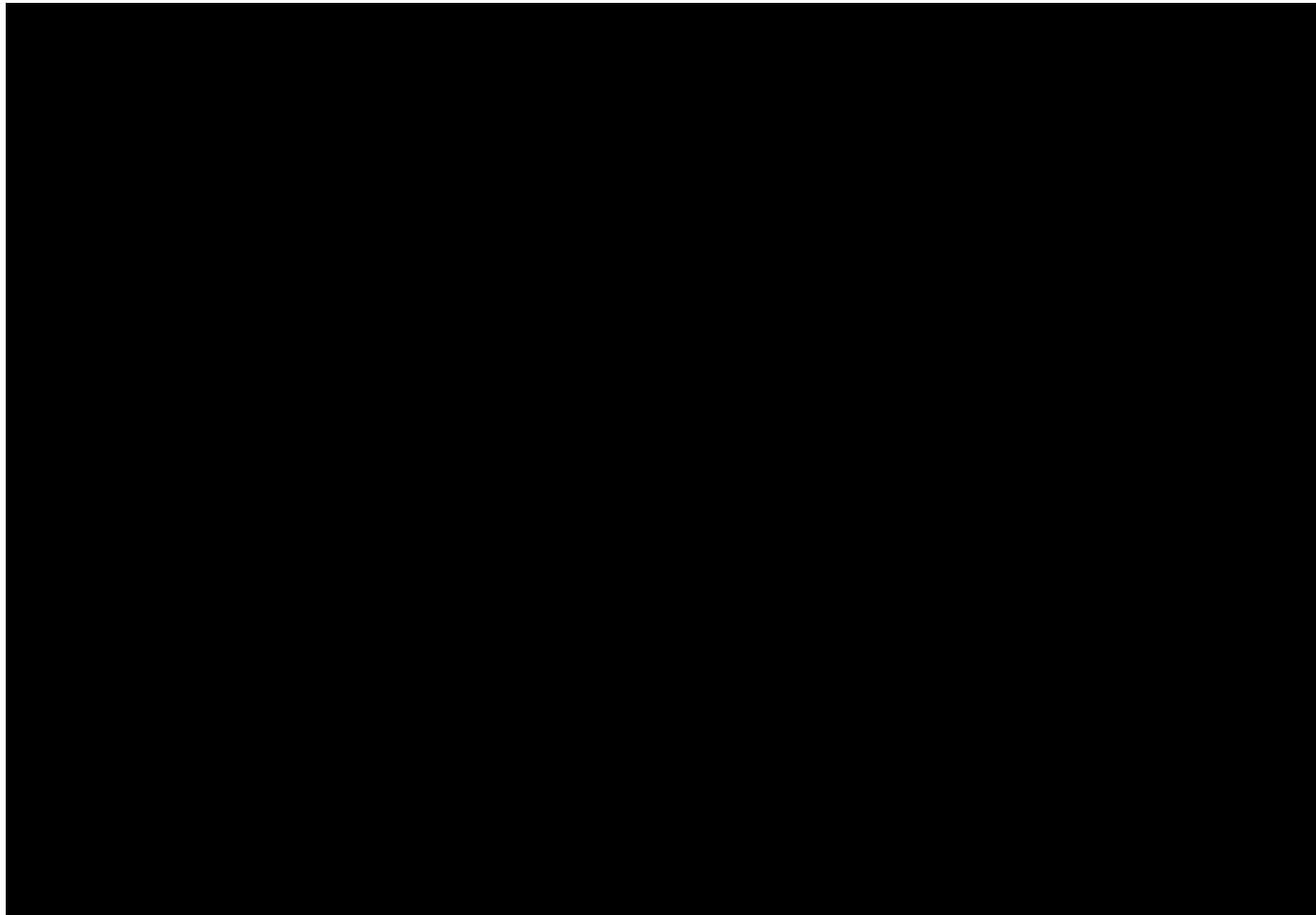
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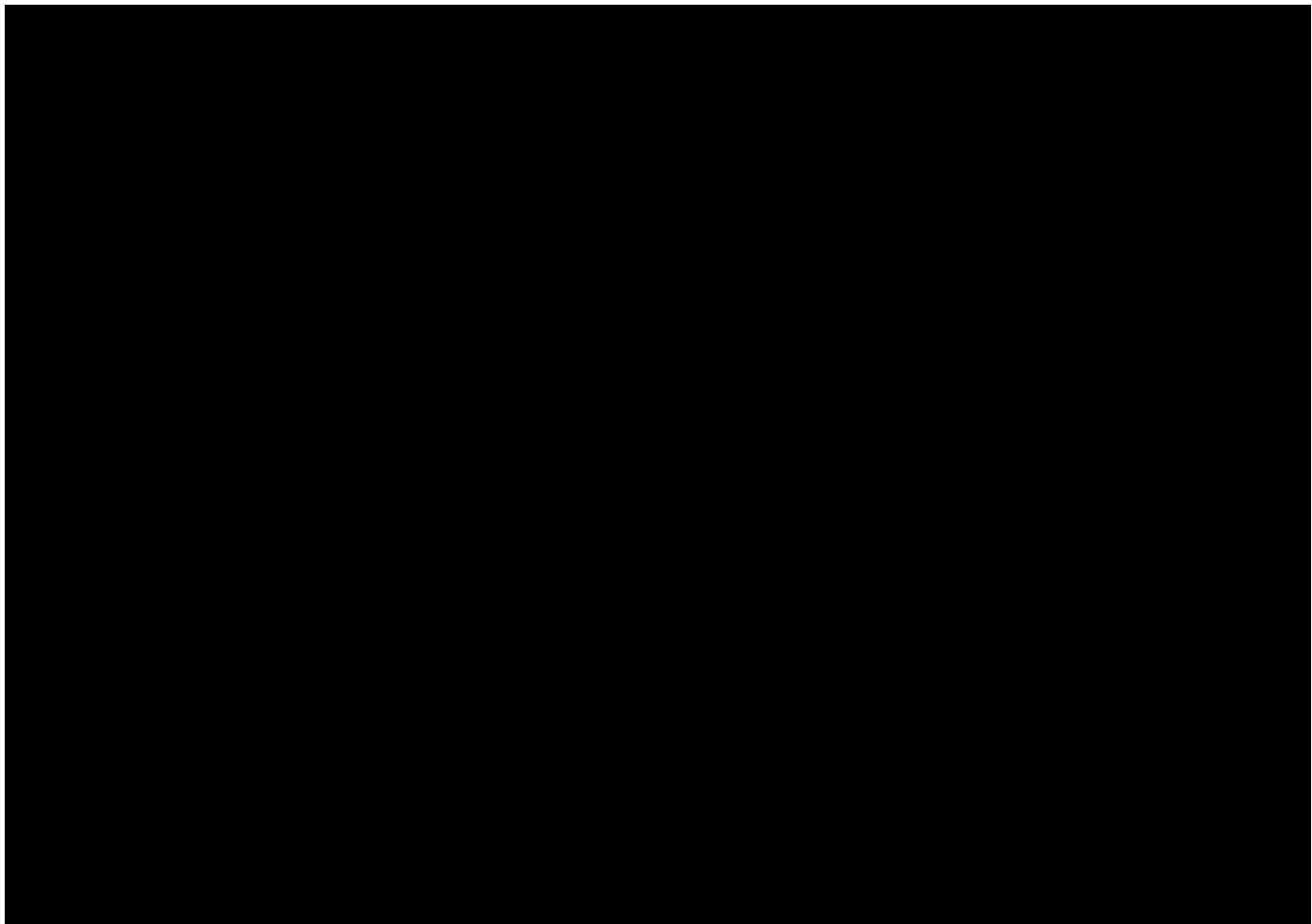
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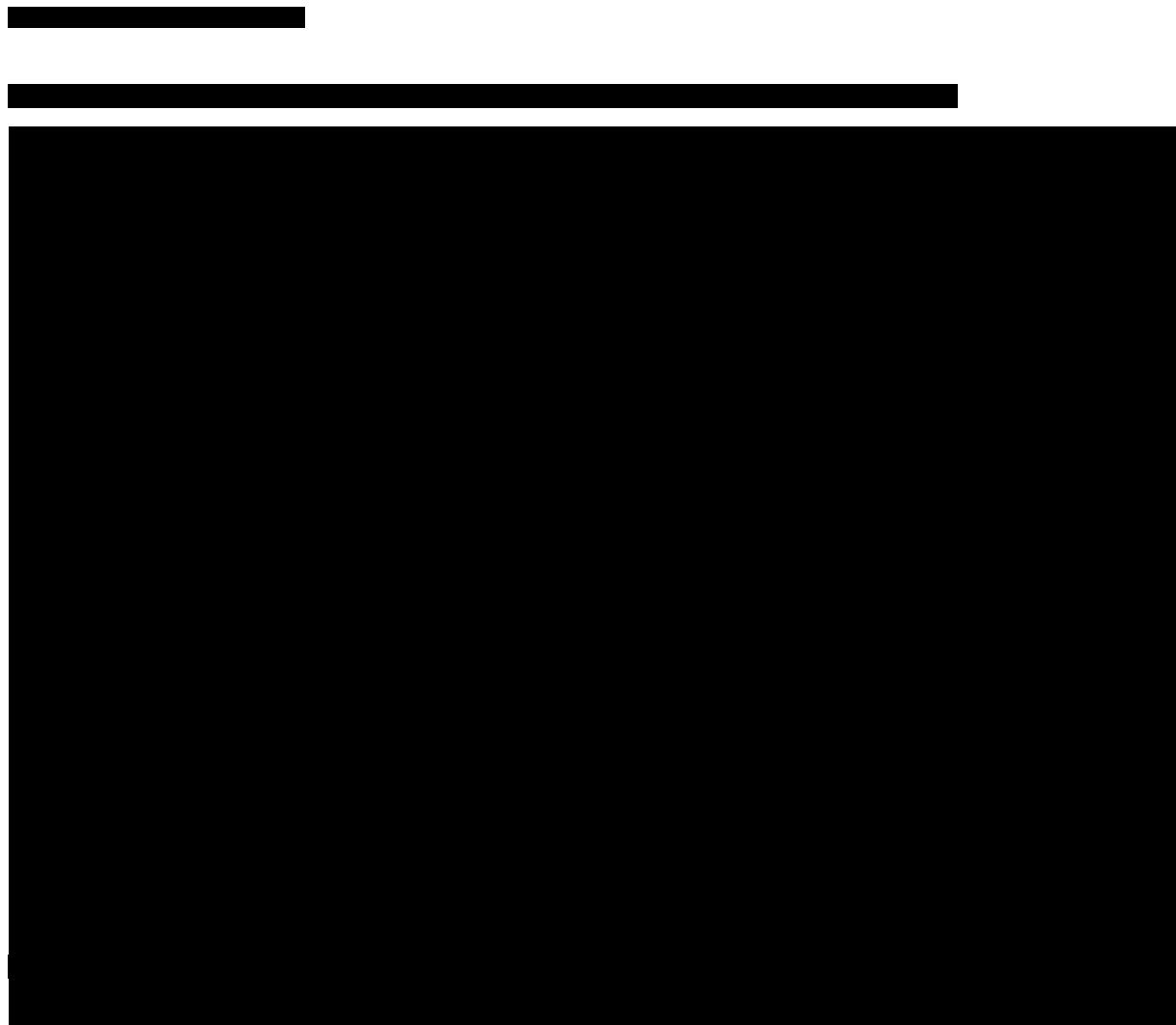
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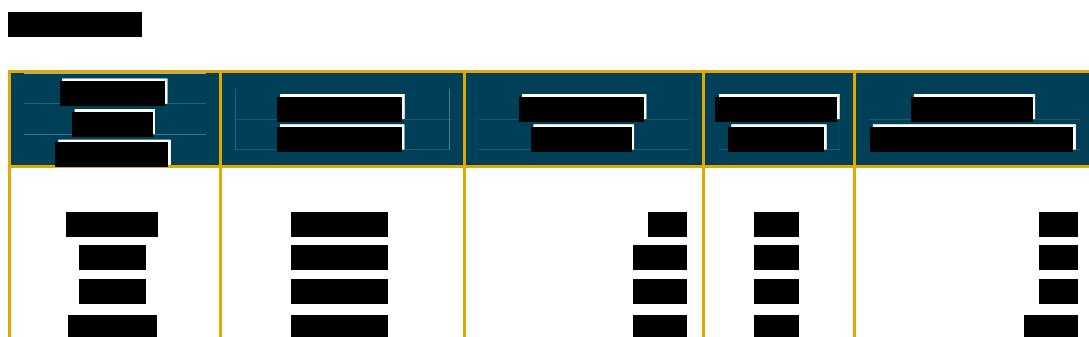
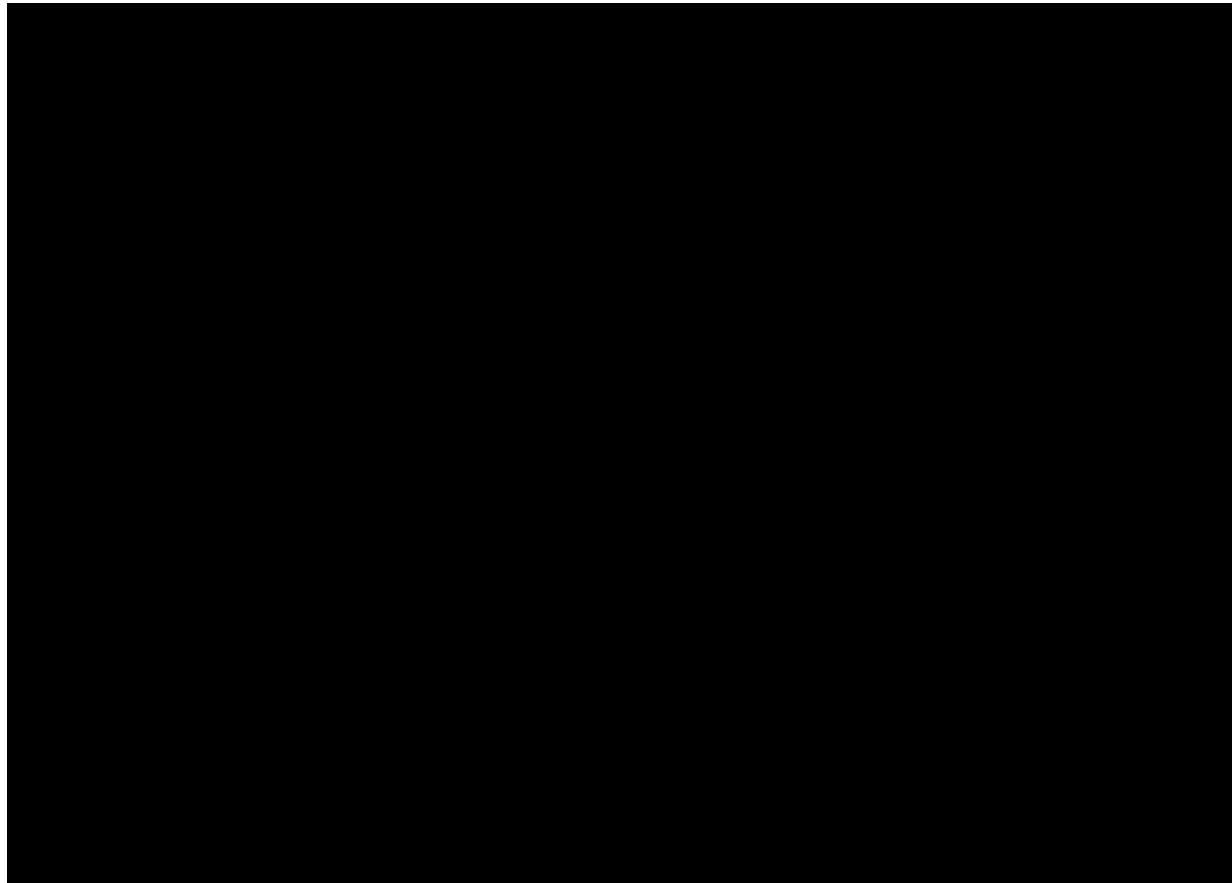


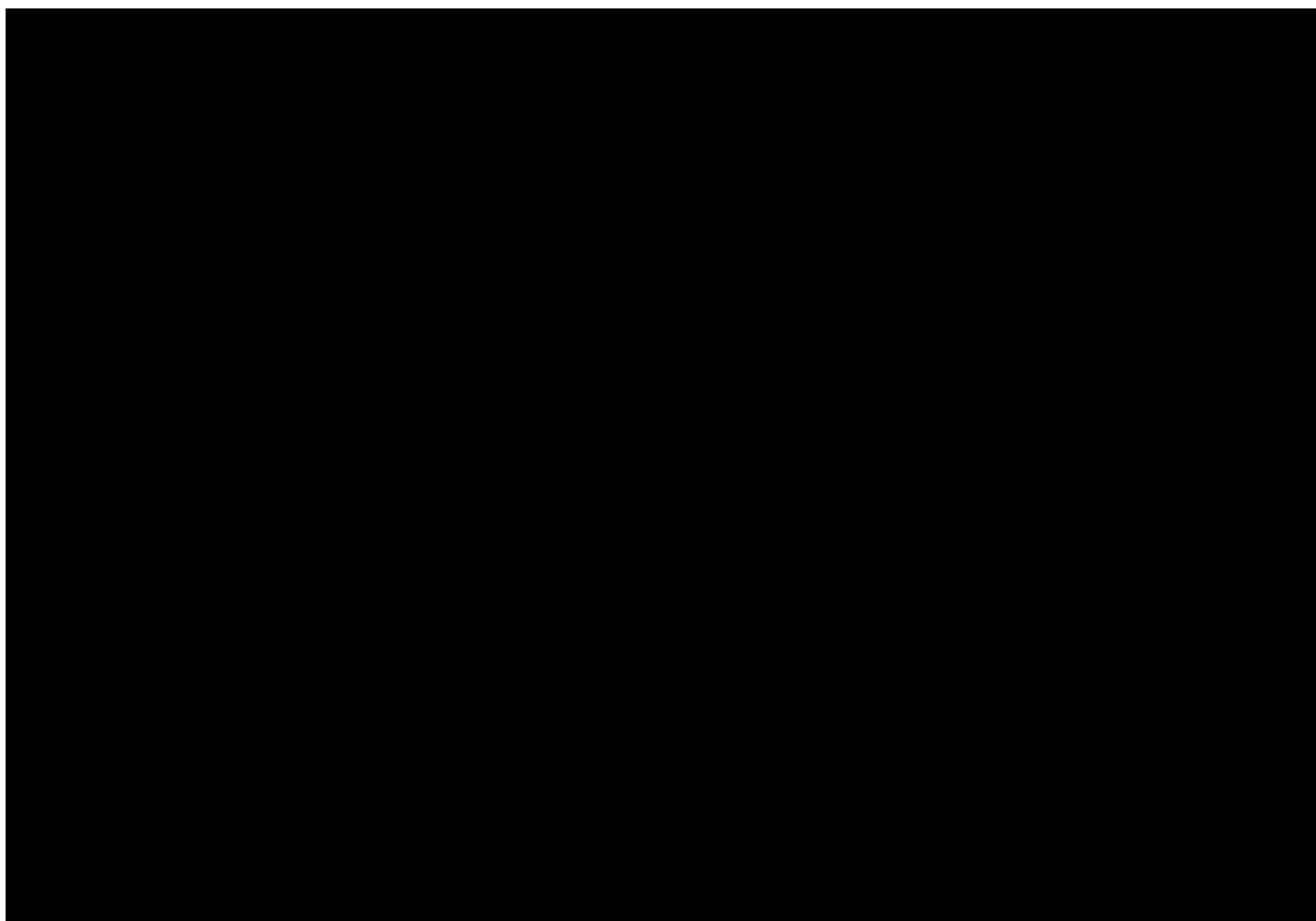




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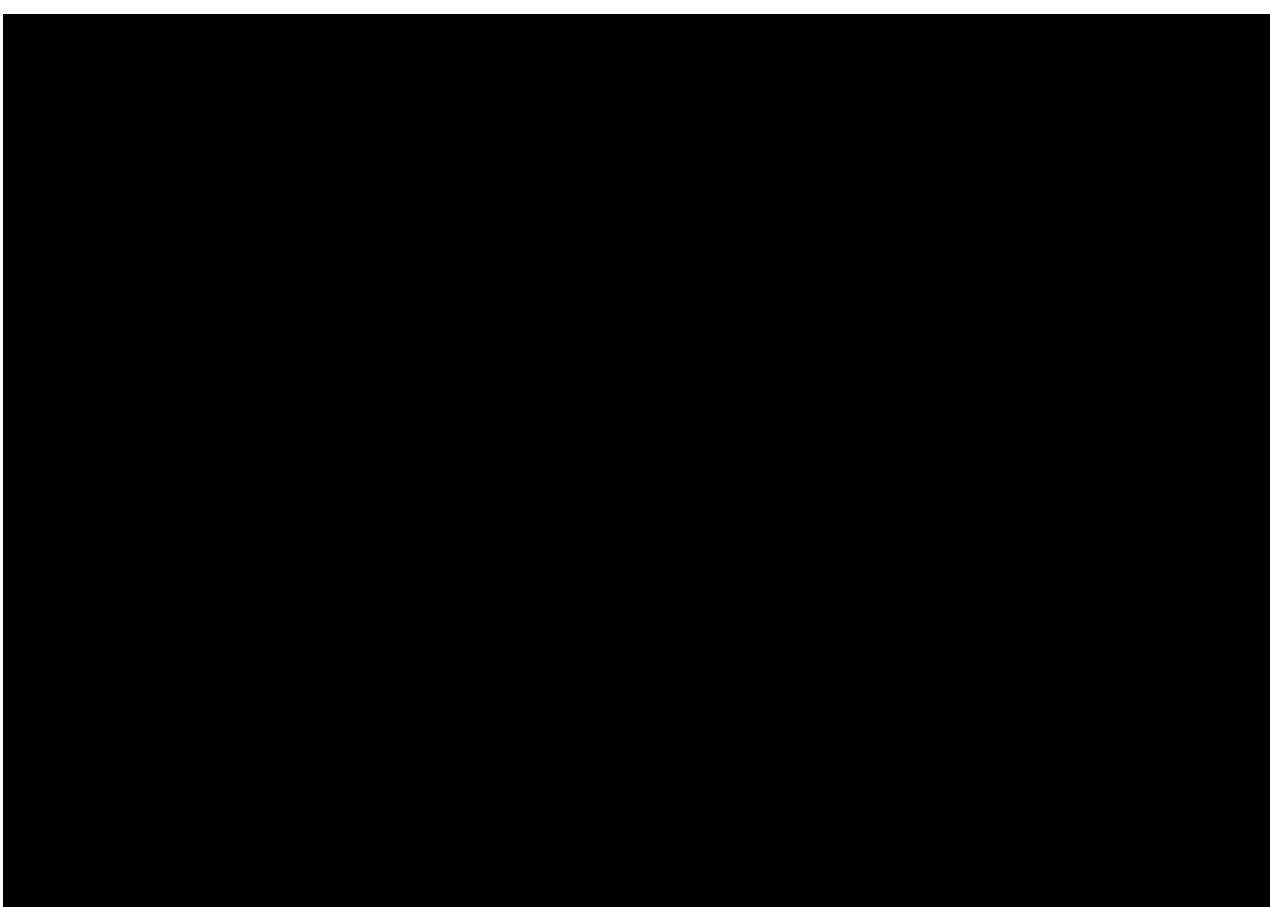
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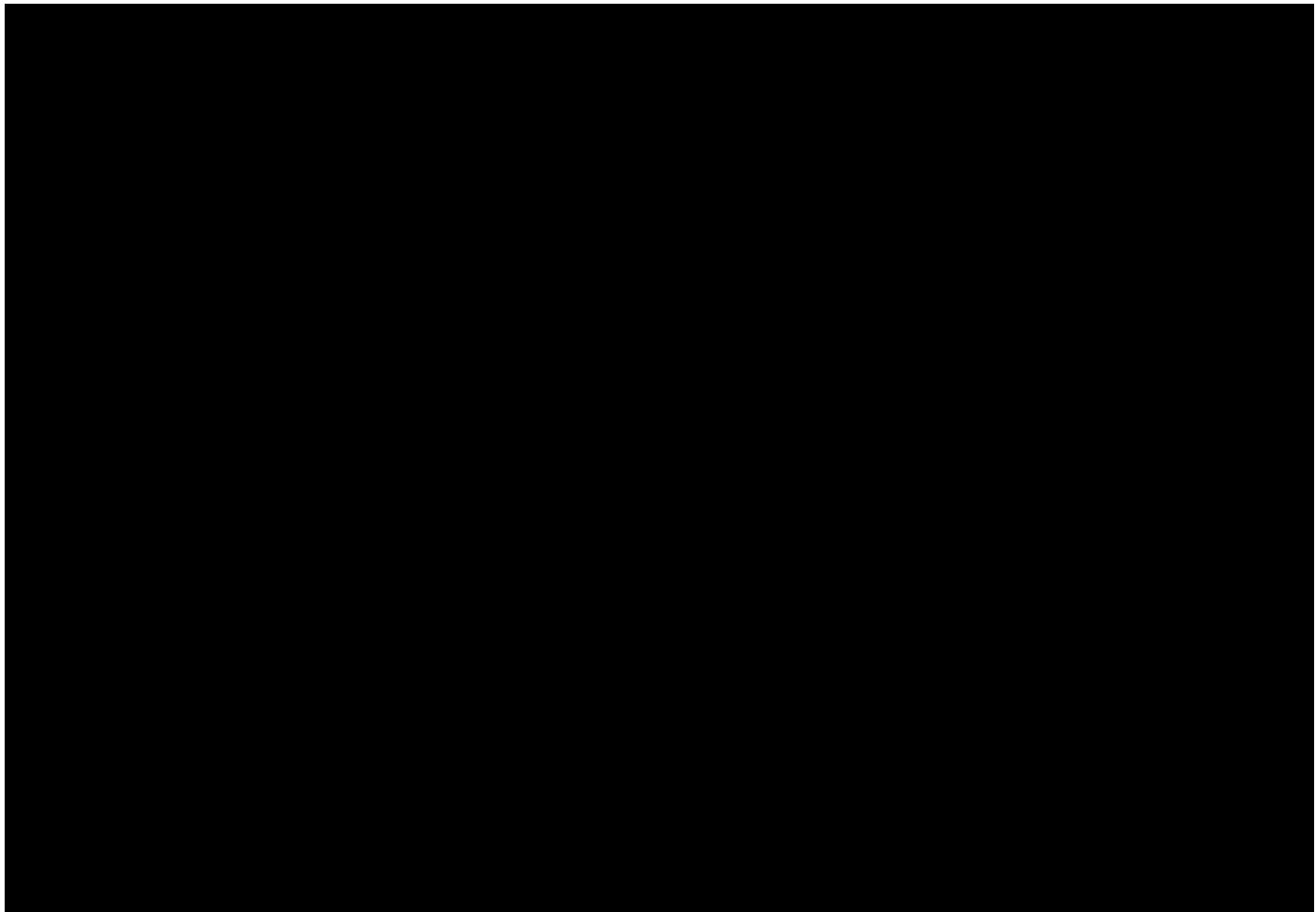
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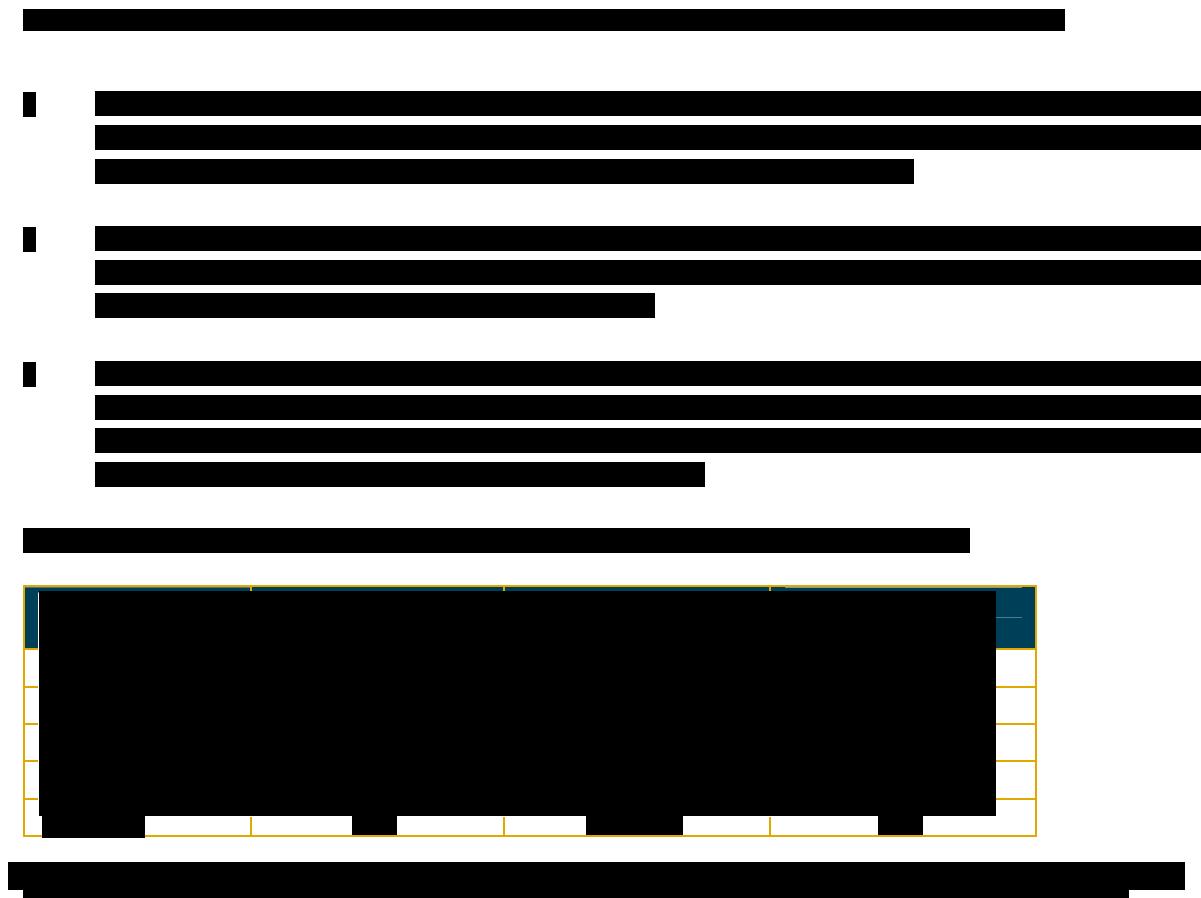
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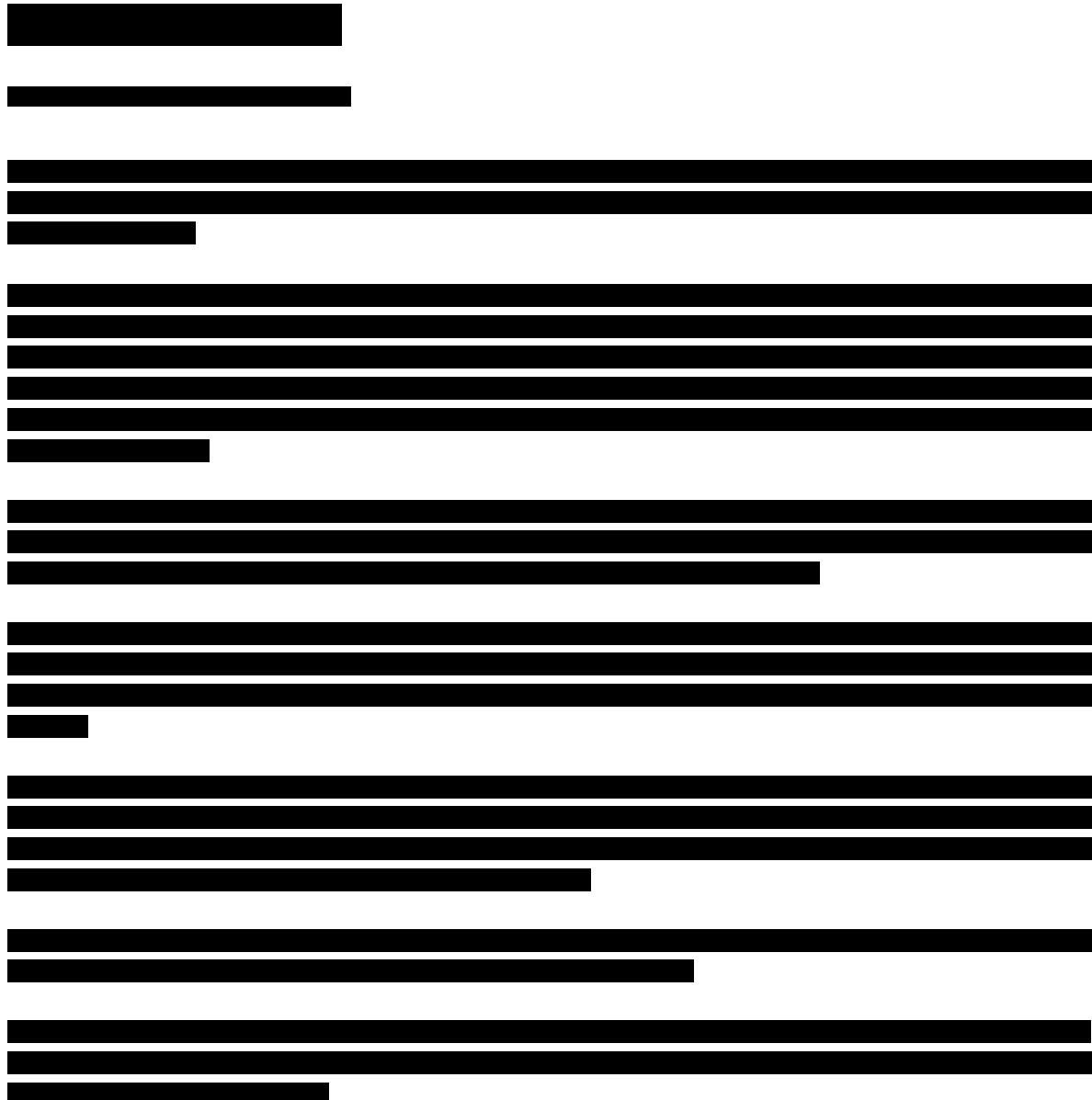


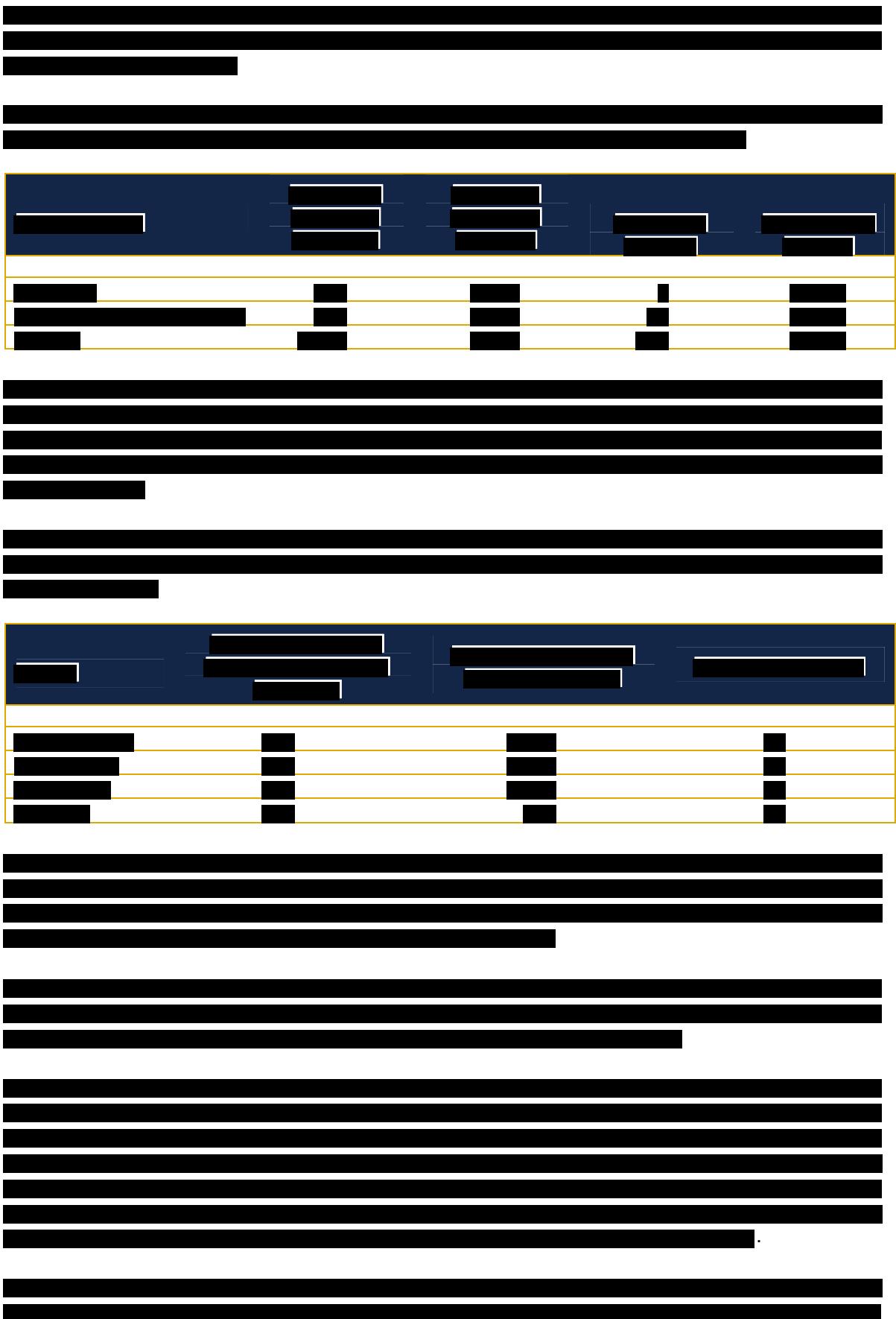














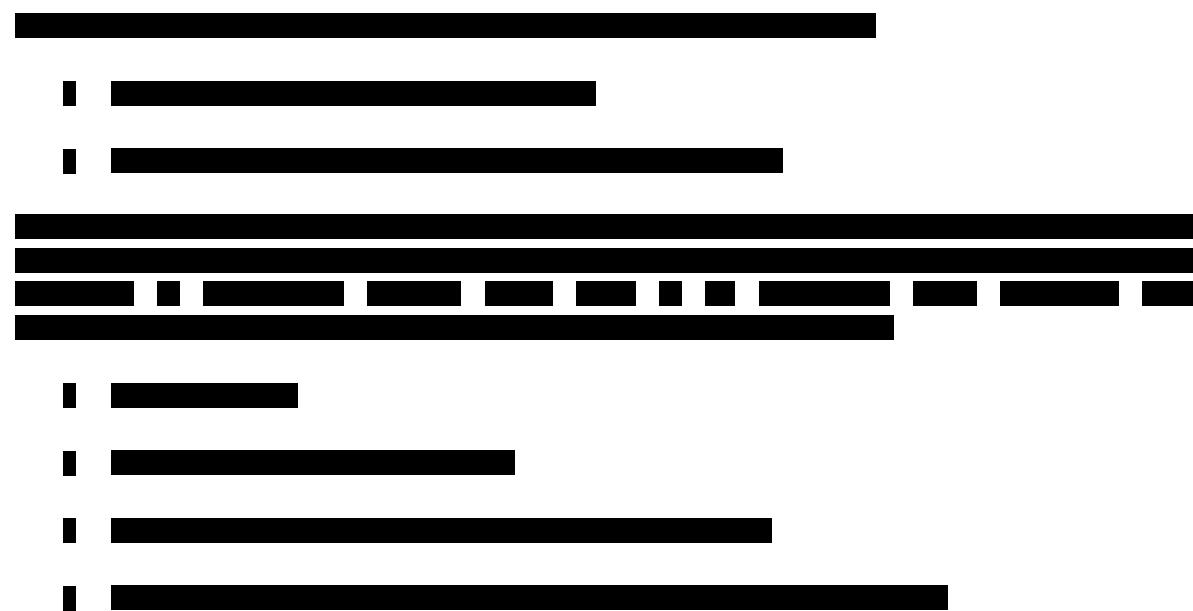
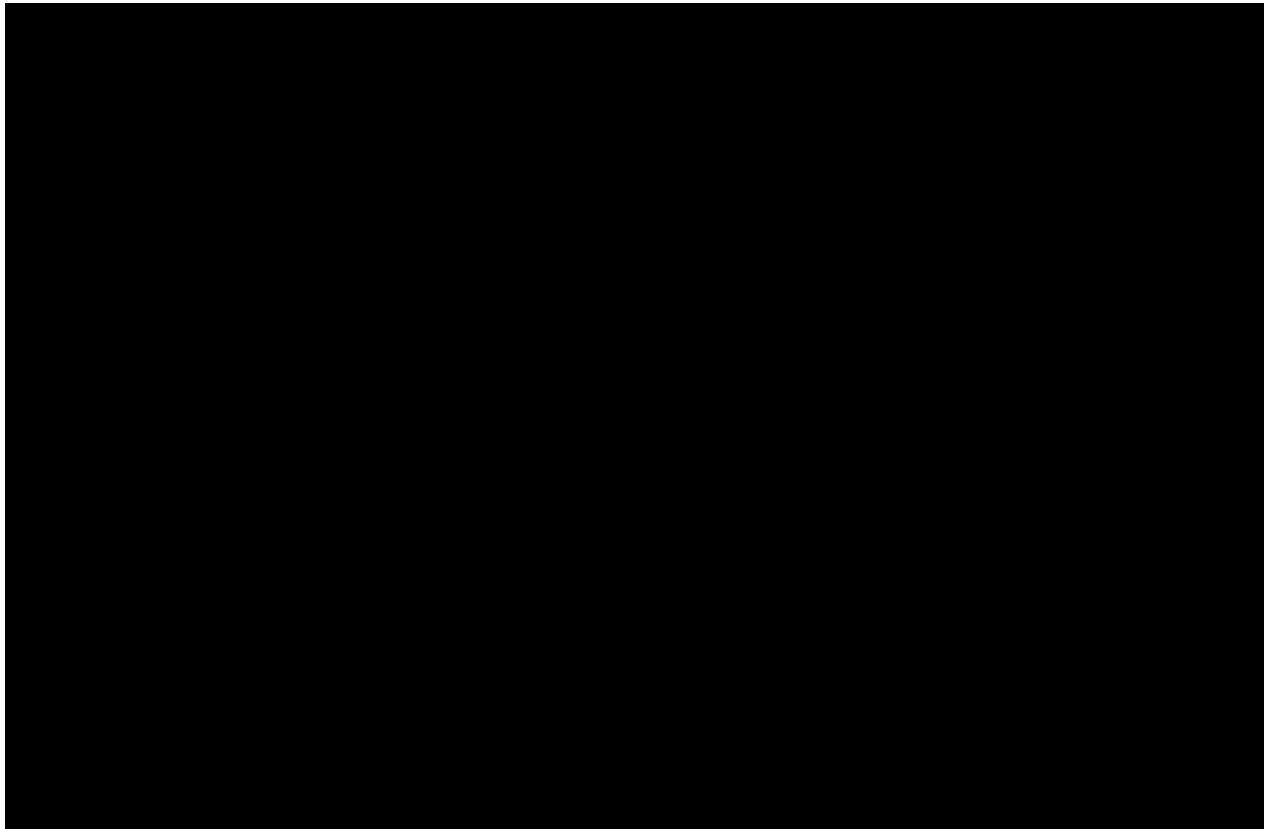
ANSWER

[REDACTED]

Category	Number of Samples
1	1
2	10
3	100
4	889

A horizontal bar chart with six categories. Category 1 is the longest bar, Category 2 is the second longest, Category 3 is much shorter, and Categories 4, 5, and 6 are very short.

[REDACTED]



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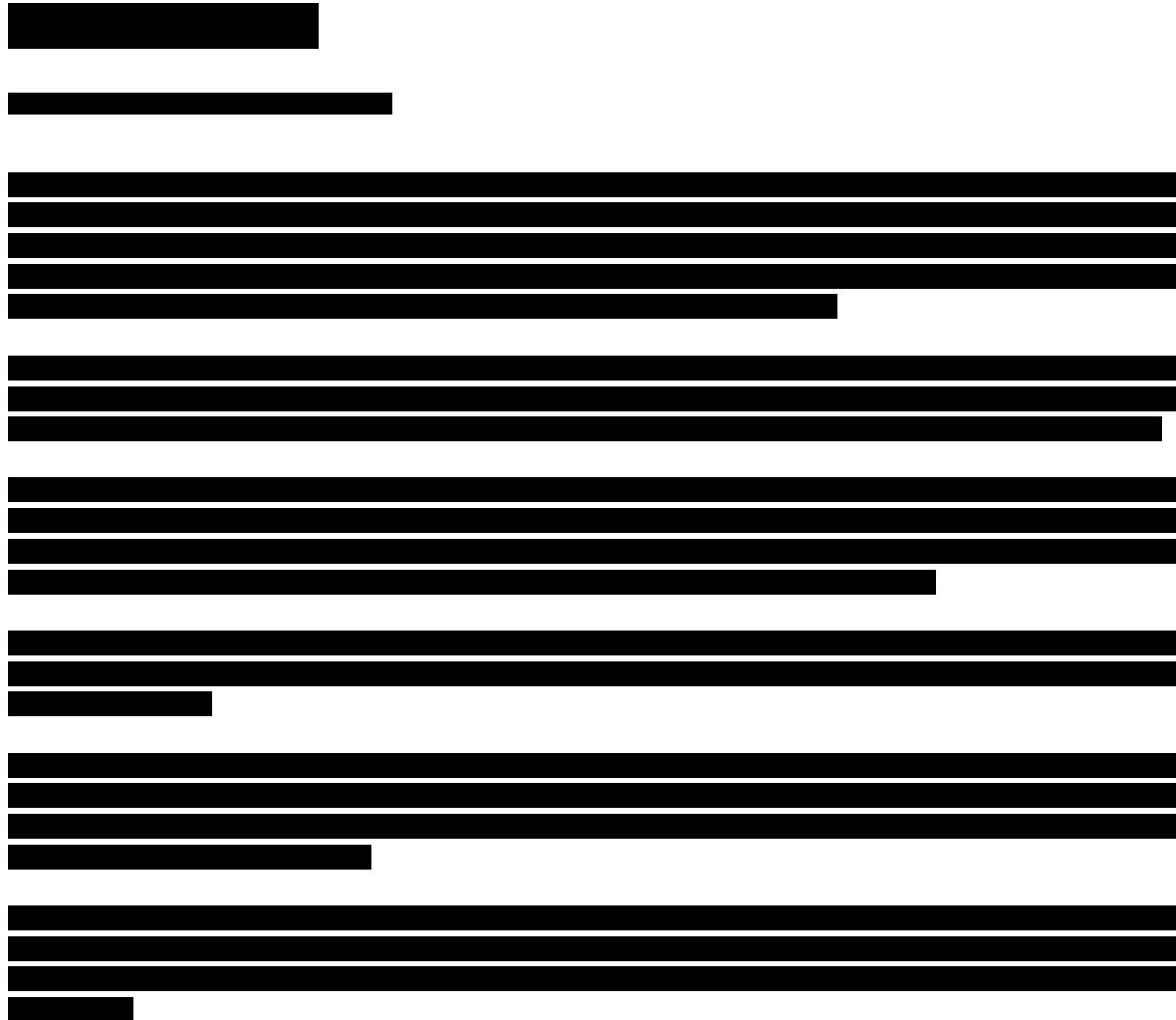
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4. [REDACTED]
- [REDACTED]

A series of horizontal black bars of varying lengths, arranged vertically. The top bar is the longest, followed by a shorter one, then a long one, then another short one, and finally two very long bars at the bottom.



[REDACTED]

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Term	Percentage
GMOs	~85%
Organic	~95%
Natural	~98%
Artificial	~75%
Organic	~95%
Natural	~98%
Artificial	~75%
Organic	~95%
Natural	~98%
Artificial	~75%

[REDACTED]



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ANSWER The answer is (A). The first two digits of the number 1234567890 are 12.

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10 **11** **12** **13** **14** **15** **16** **17** **18** **19** **20**

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ANSWER The answer is 1000. The first two digits of the number are 10, so the answer is 1000.

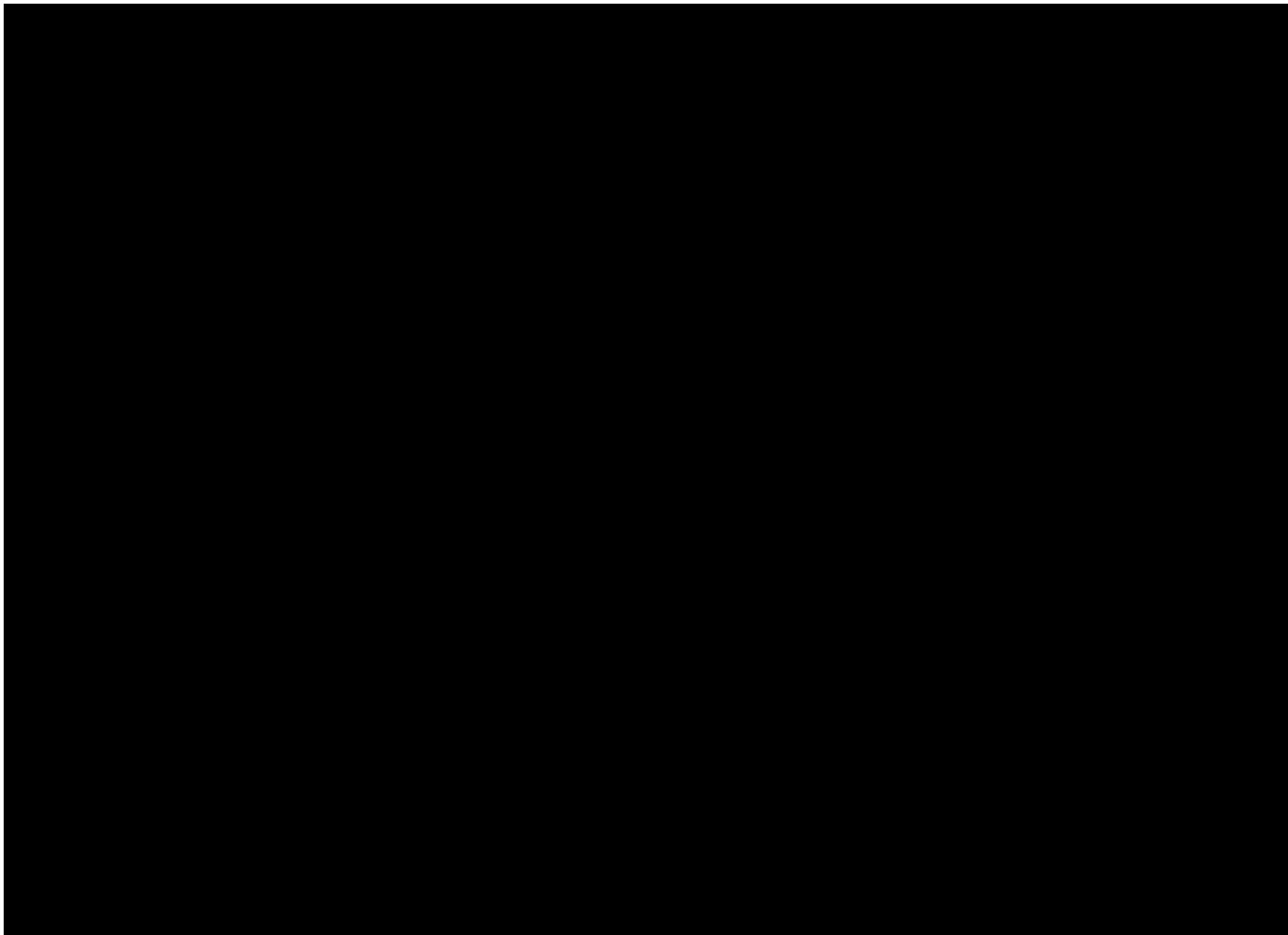
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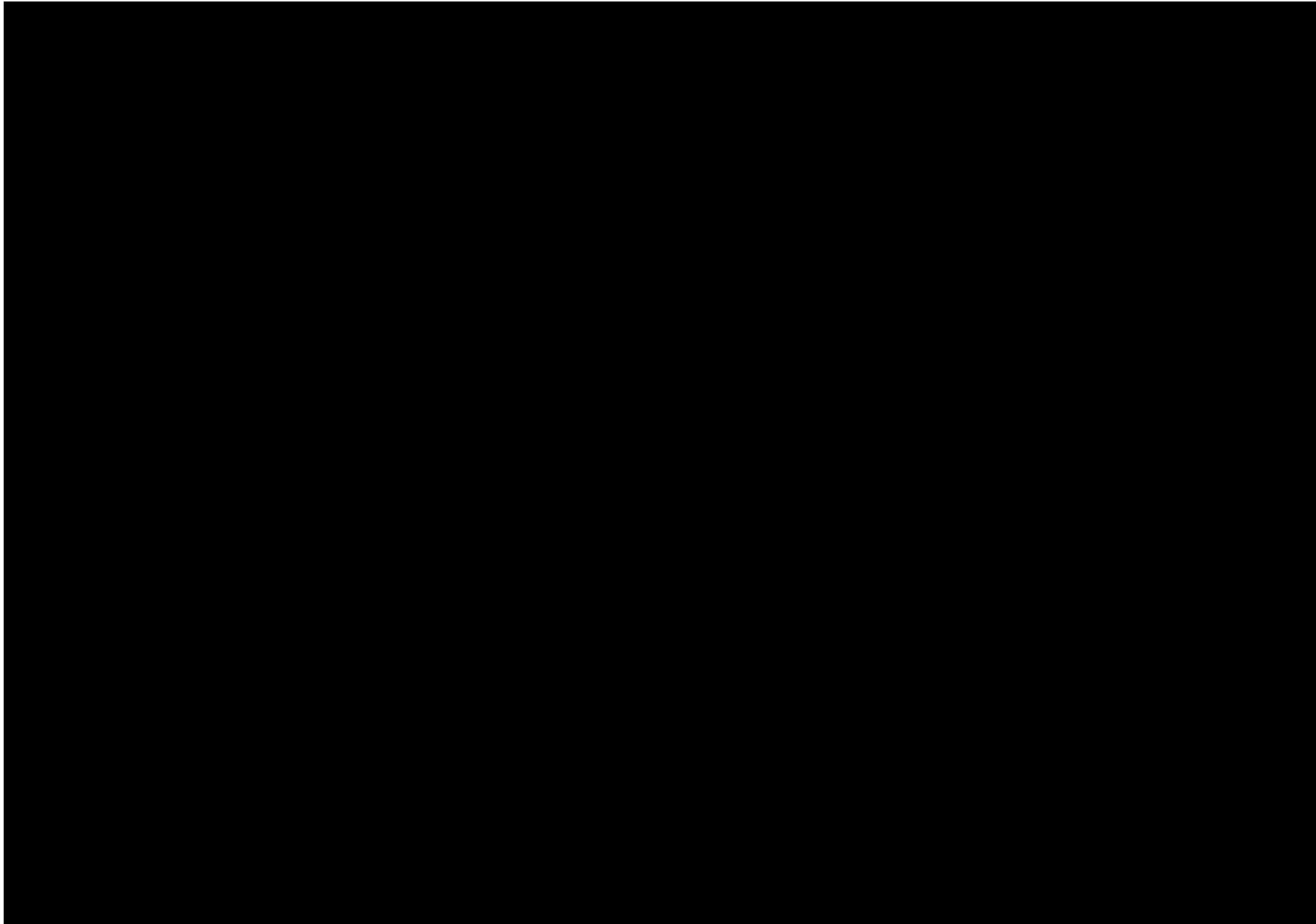
ANSWER The answer is **100**.

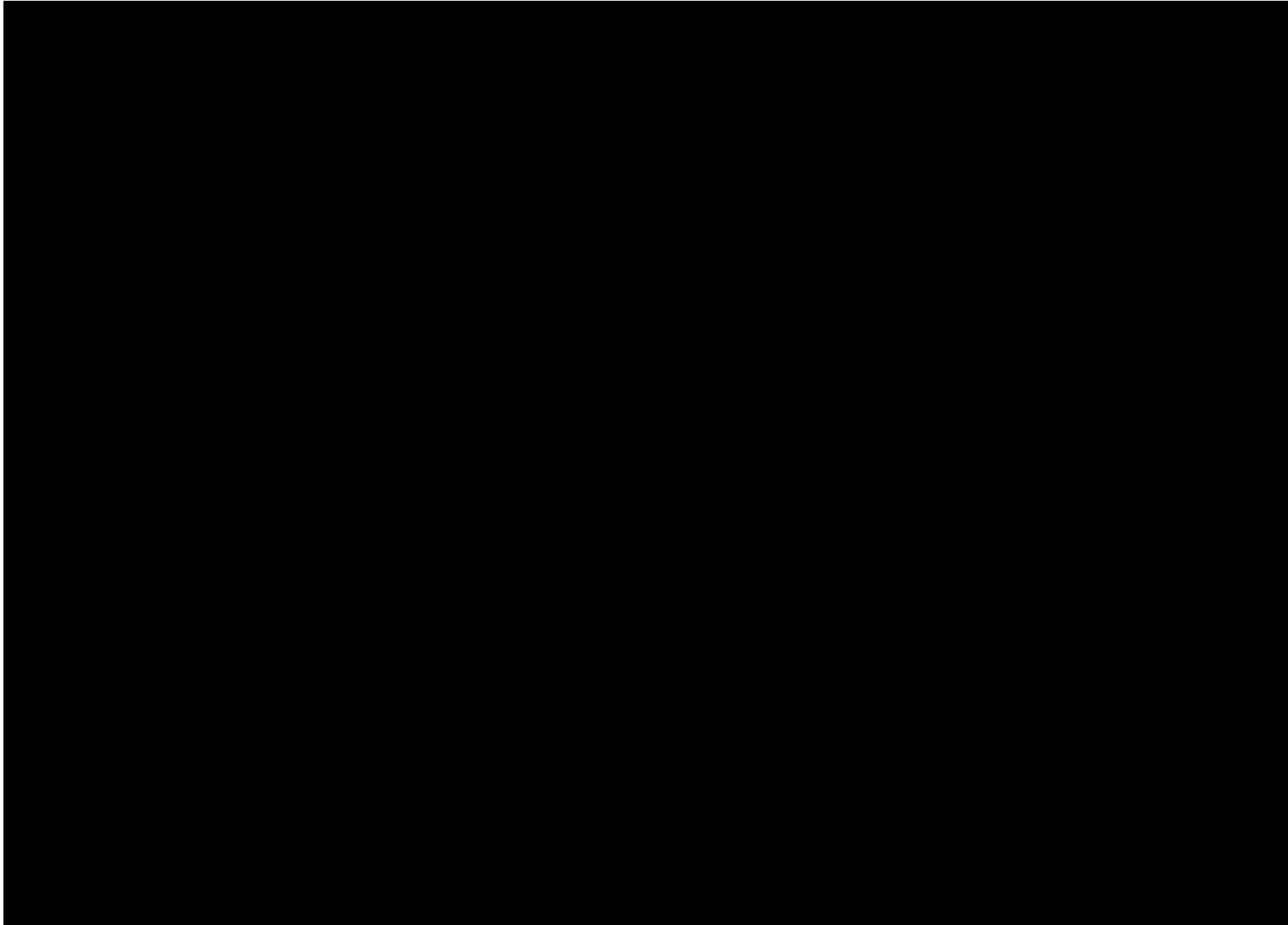
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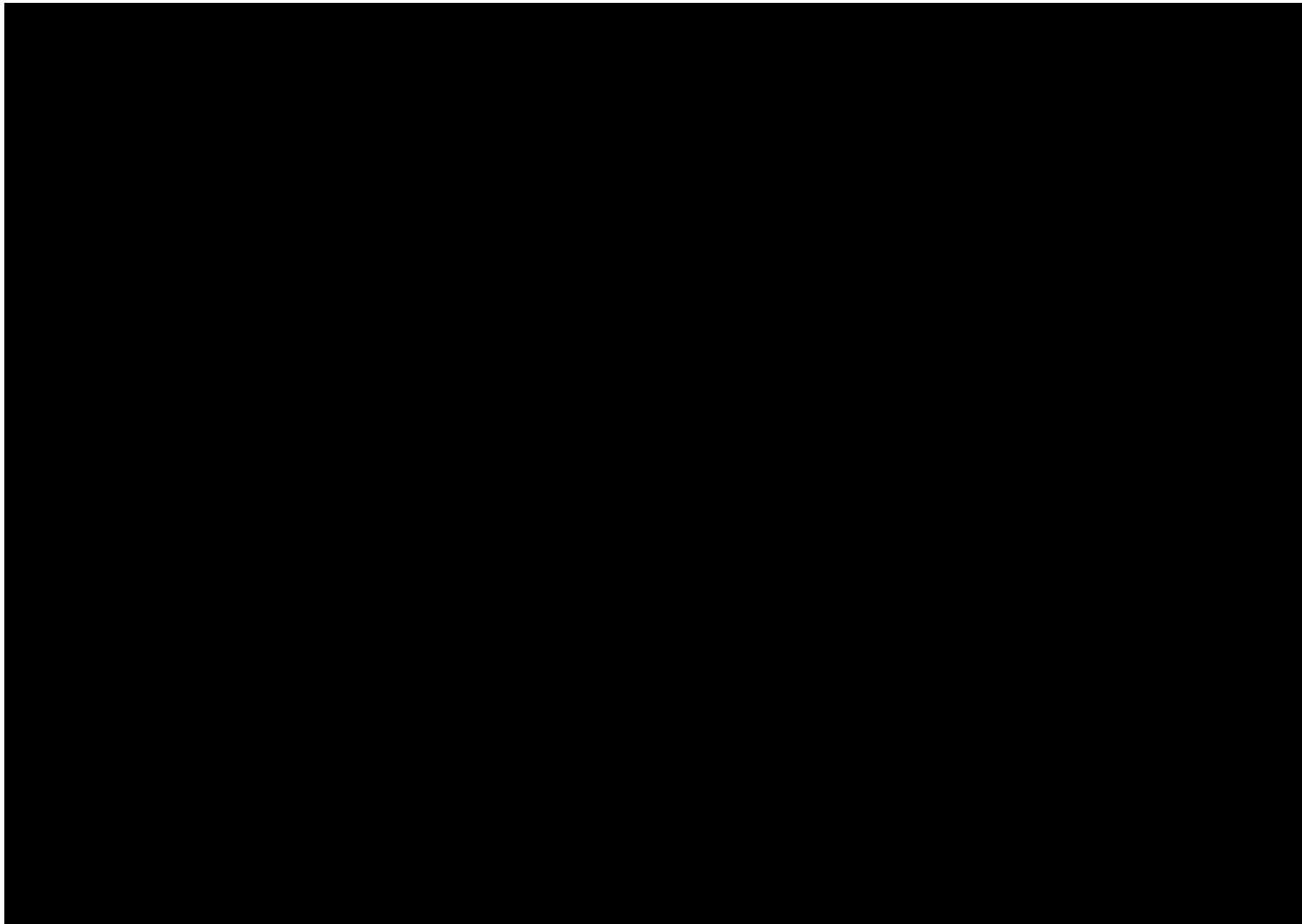
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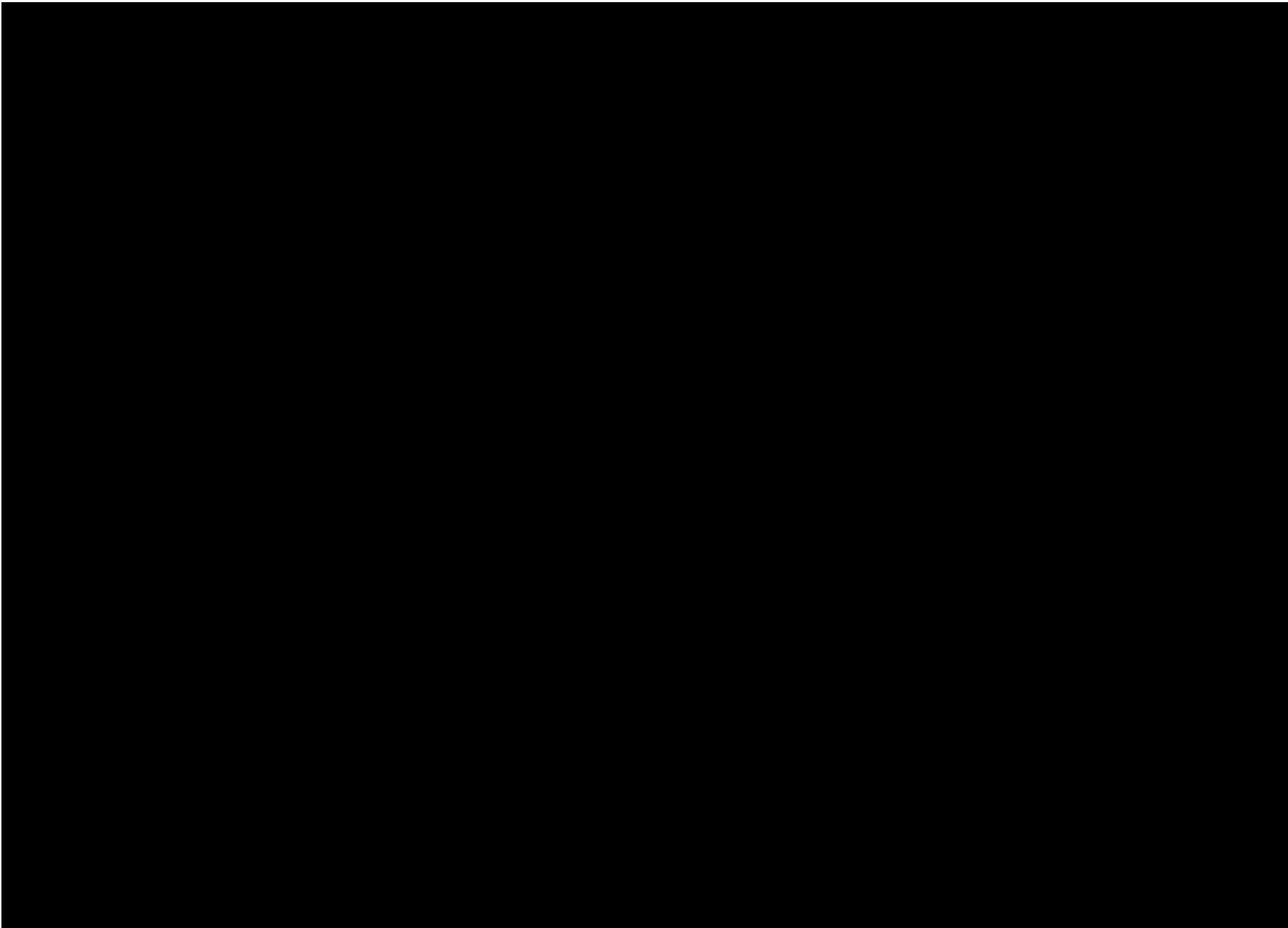
ANSWER **QUESTION** **ANSWER** **ANSWER** **ANSWER**



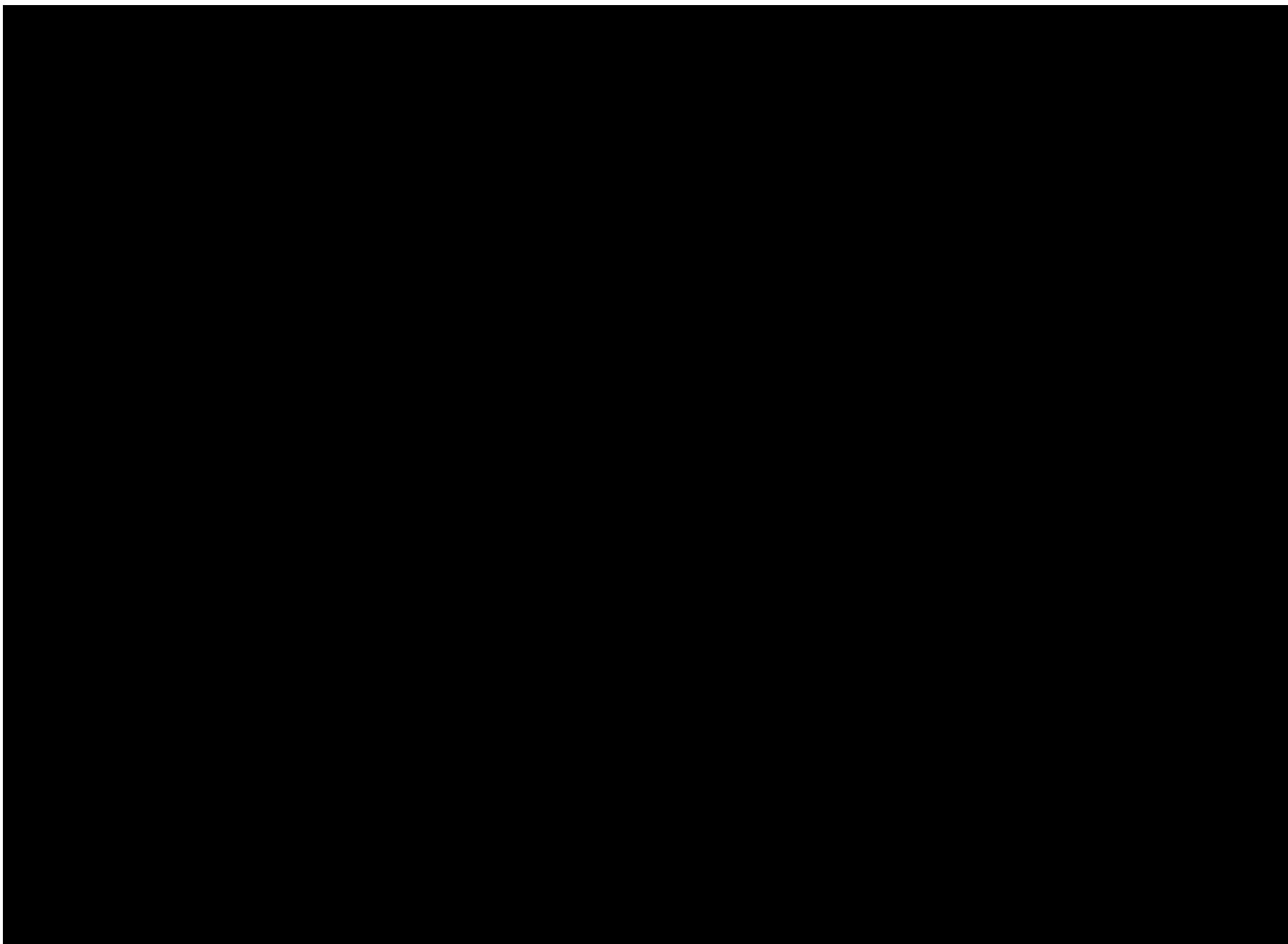


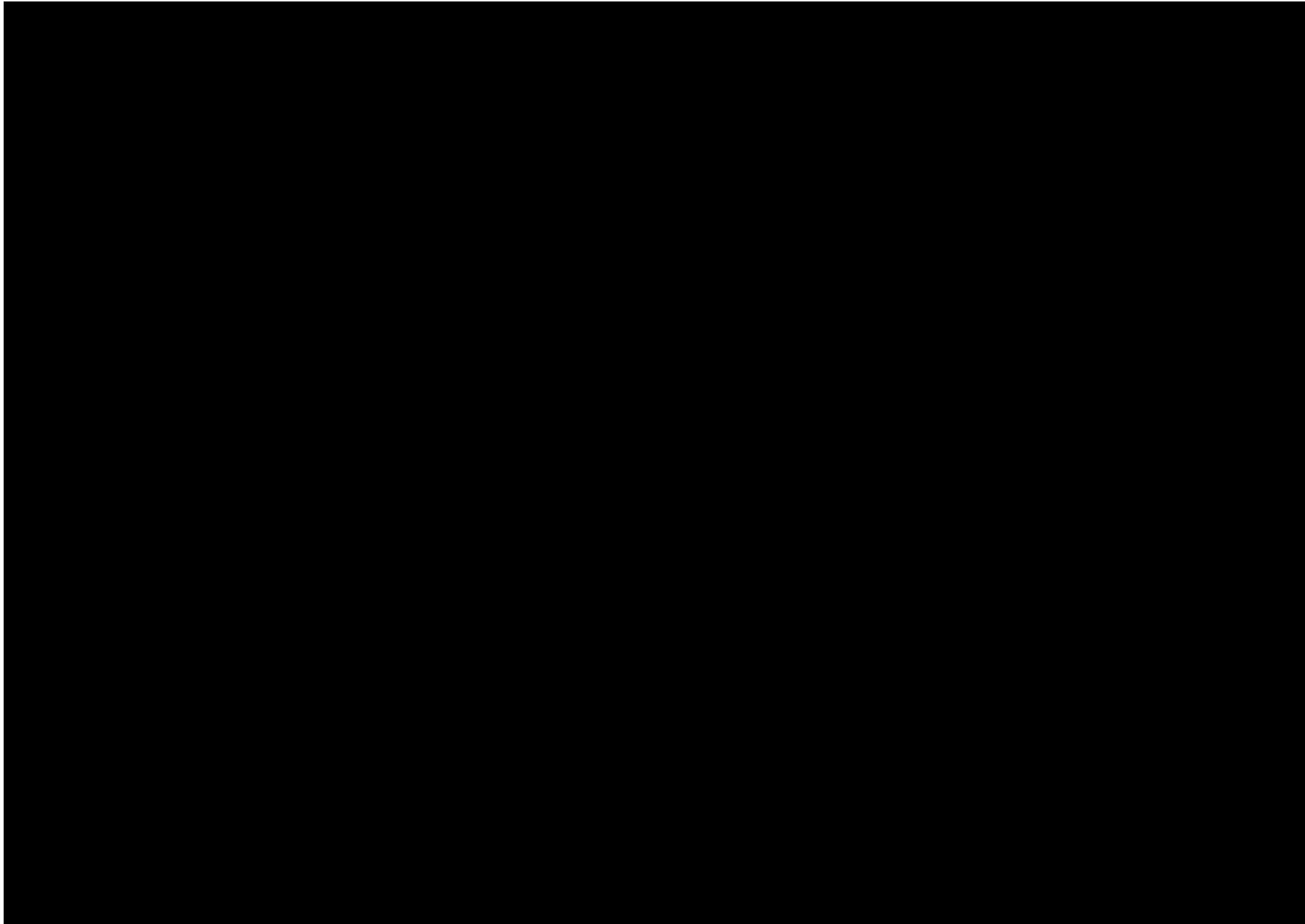


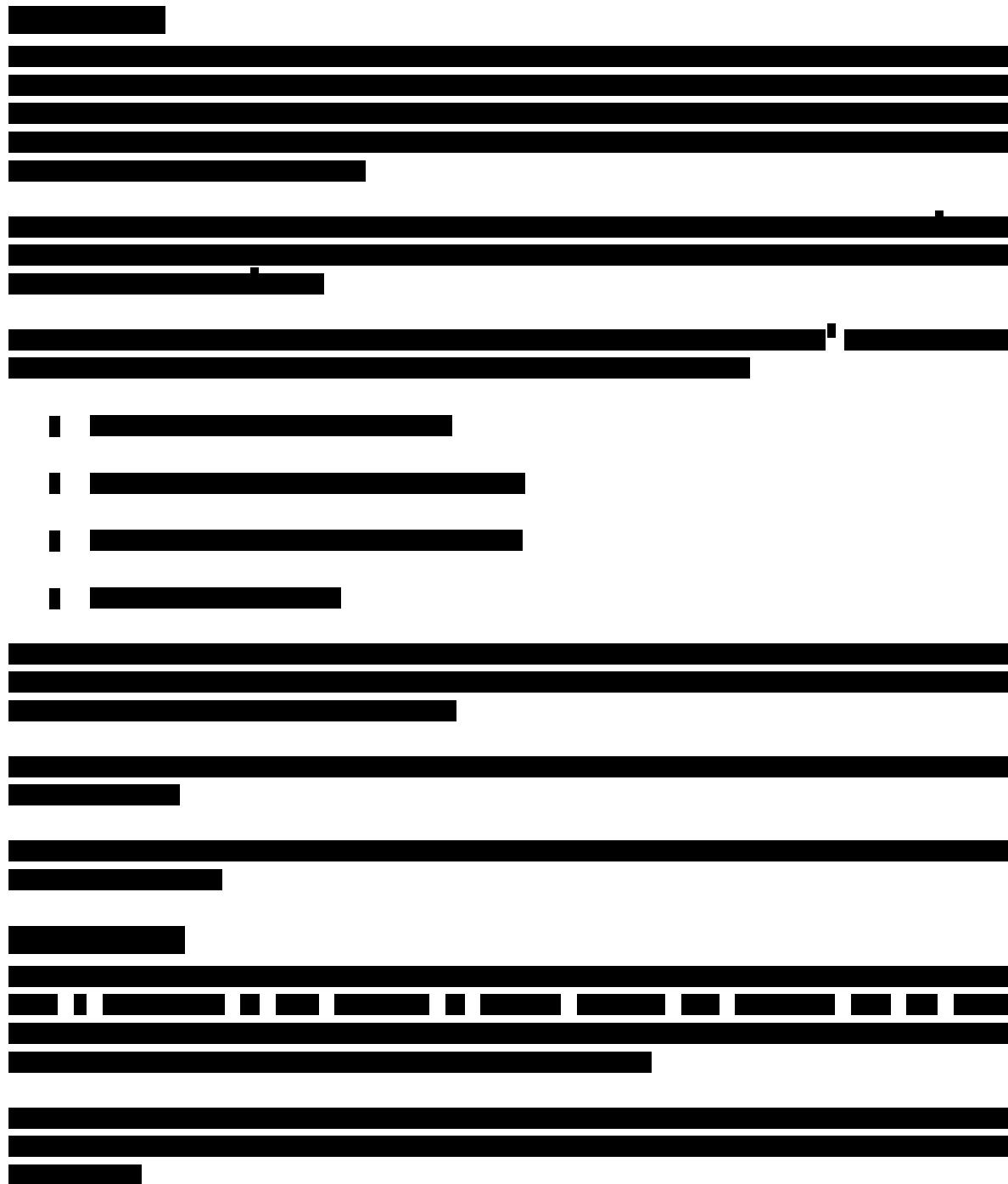




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ANSWER The answer is (A). The first two digits of the number 1234567890 are 12.

A series of horizontal black bars of varying lengths, decreasing from left to right. The bars are positioned at different vertical levels, creating a stepped effect.

A decorative horizontal bar at the bottom of the page, consisting of four thin white lines on a black background.

A solid black horizontal bar located at the very bottom of the page, spanning most of its width. It serves as a visual separator or footer element.

A solid black rectangular redaction box, likely used to obscure sensitive information from the document.

ANSWER

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The figure shows a histogram of 1000 random numbers. The x-axis is labeled "Value" and ranges from 0 to 1. The y-axis is labeled "Frequency" and ranges from 0 to 10. The distribution is nearly uniform, with the highest frequency occurring in the bins around 0.5.

Bin Range	Frequency
0.0 - 0.1	10
0.1 - 0.2	10
0.2 - 0.3	10
0.3 - 0.4	10
0.4 - 0.5	10
0.5 - 0.6	10
0.6 - 0.7	10
0.7 - 0.8	10
0.8 - 0.9	10
0.9 - 1.0	10

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