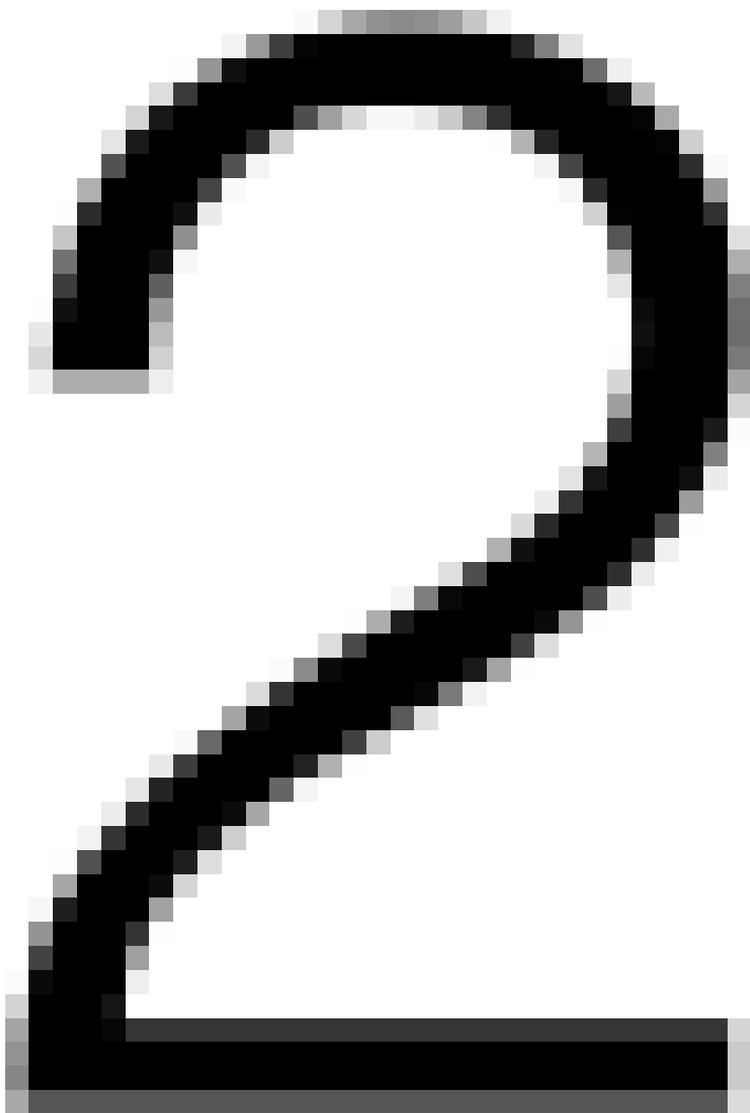


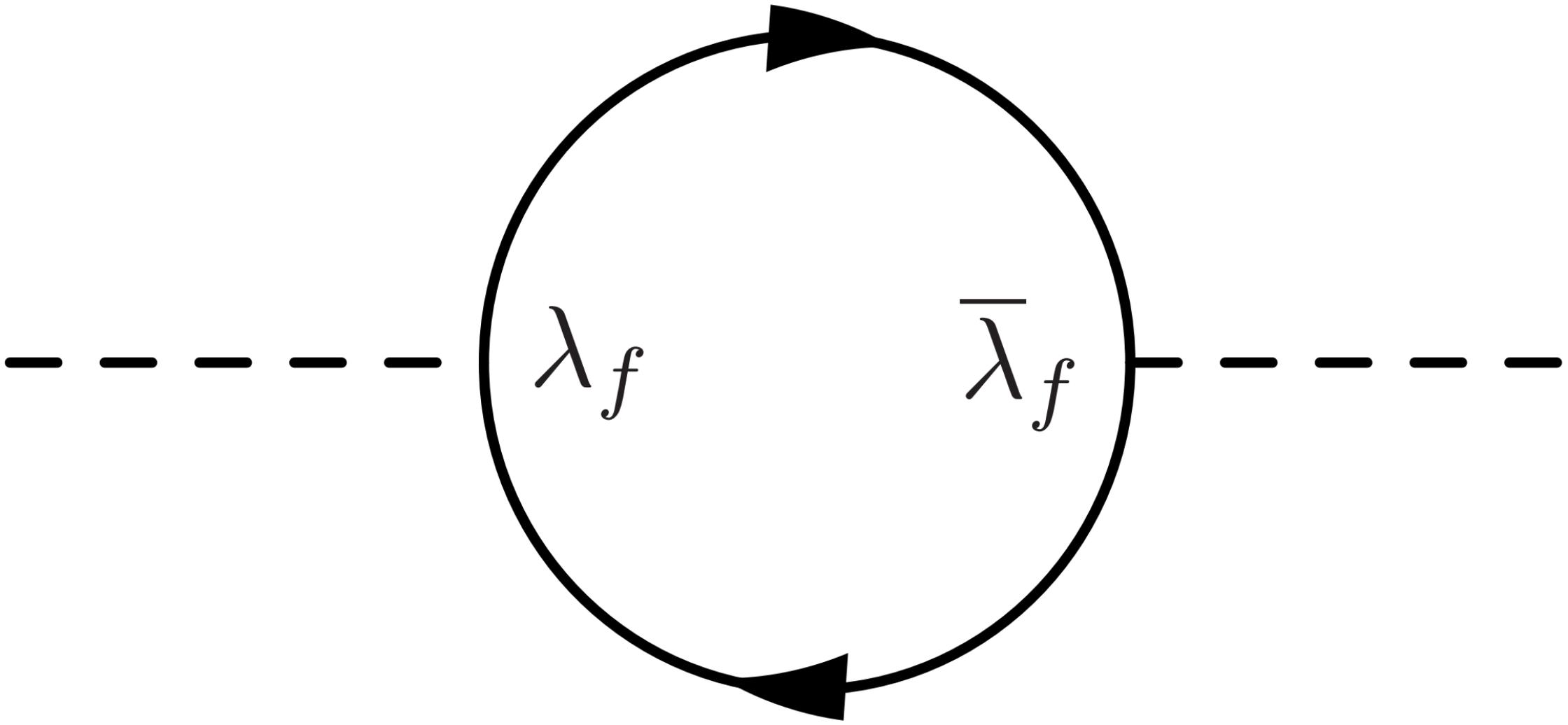
Motivation: A problem with the

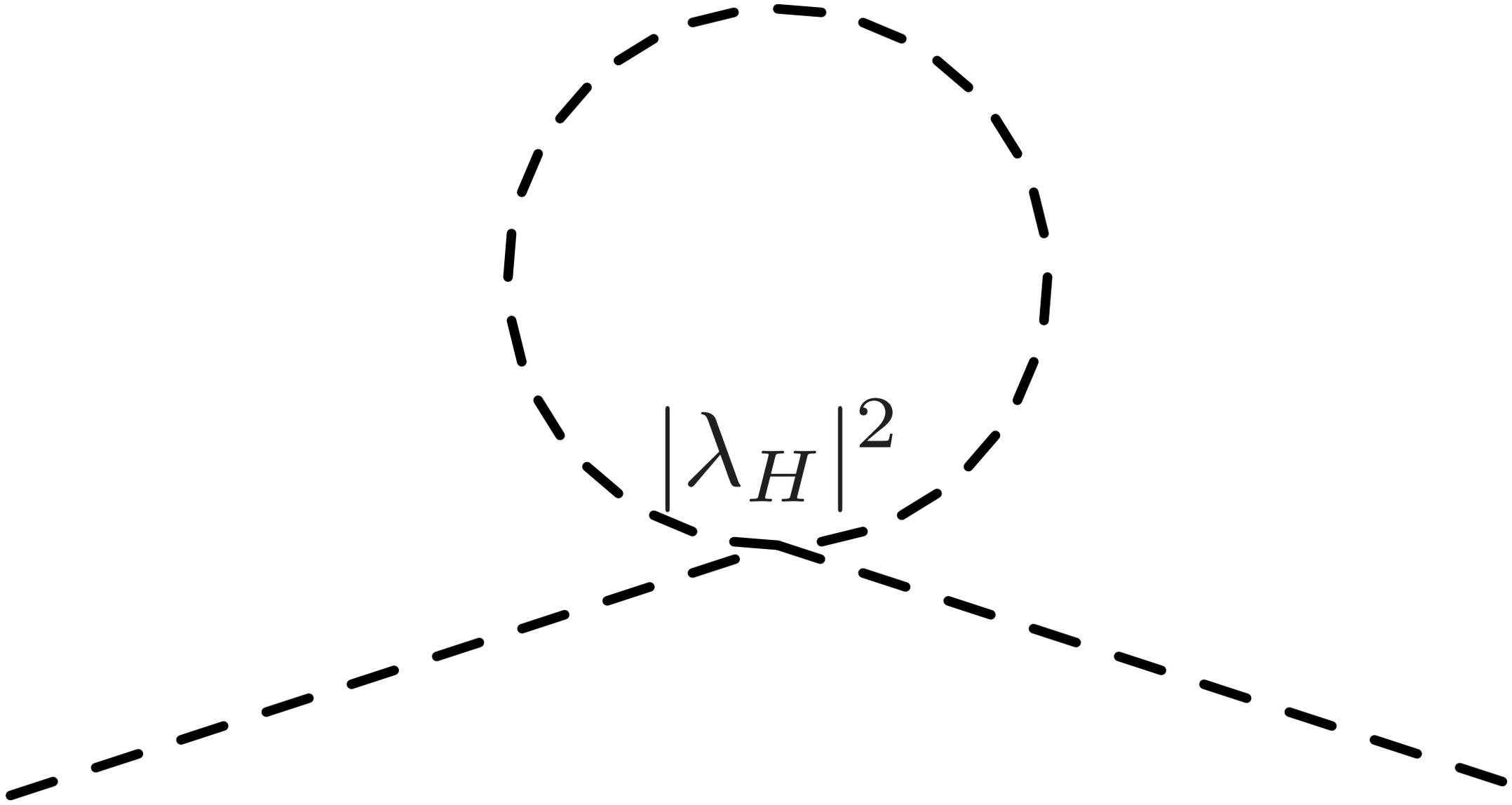
Standard Model

• Hierarchyprobblem: Why is Higgs mass 125 GeV, not Planck mass or zero?

• Can supersymmetry fix this?





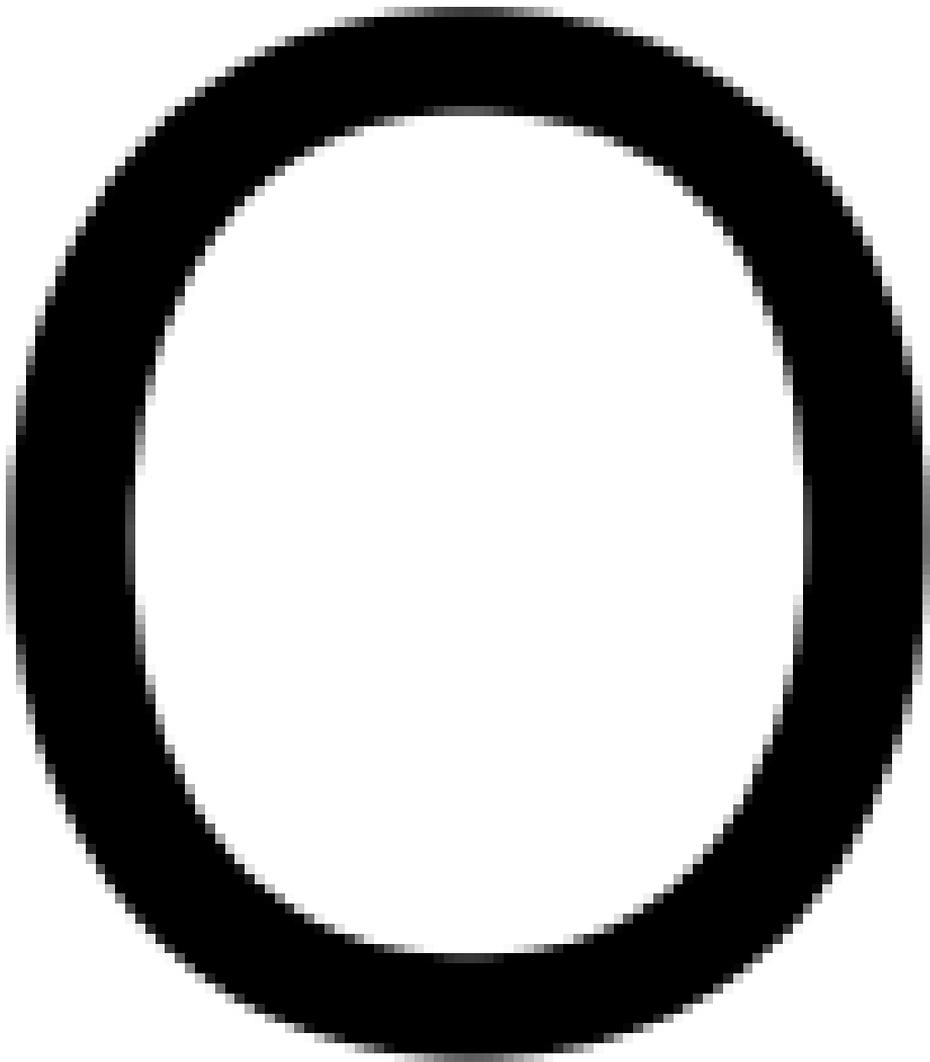


$$\delta V_{H i g g s} \sim (|\lambda_H|^2 - |\lambda_f|^2) H^2 \Lambda^2$$

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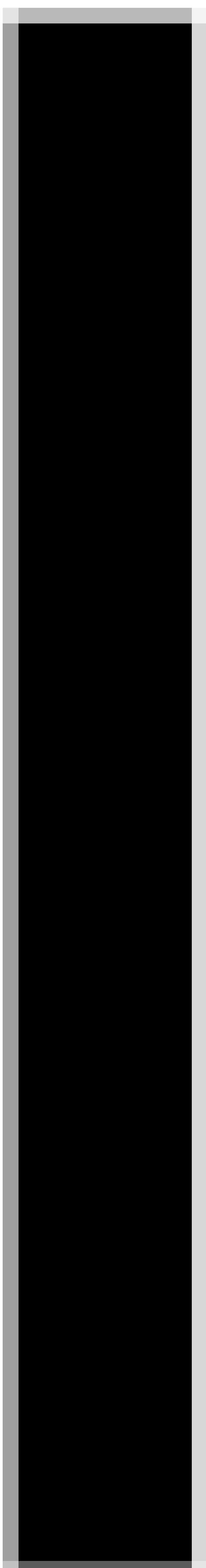
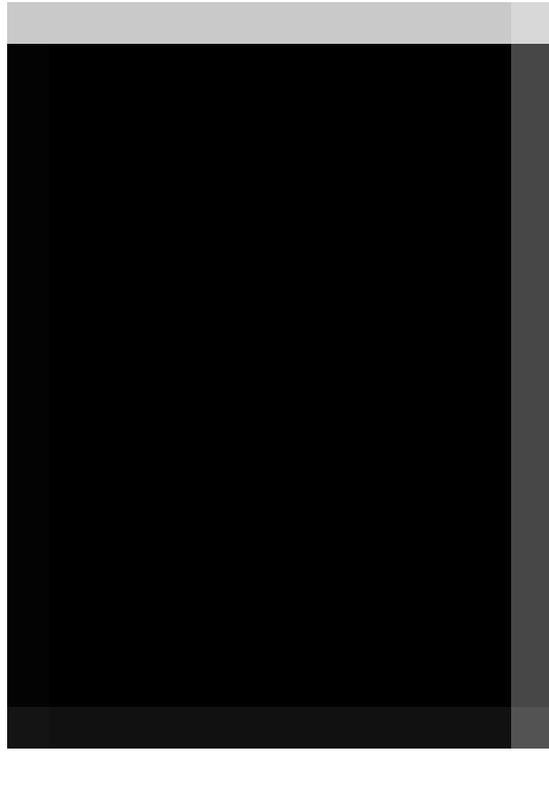
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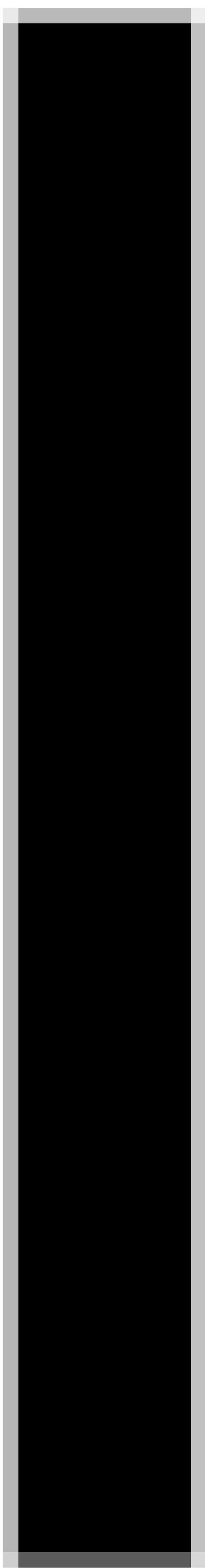
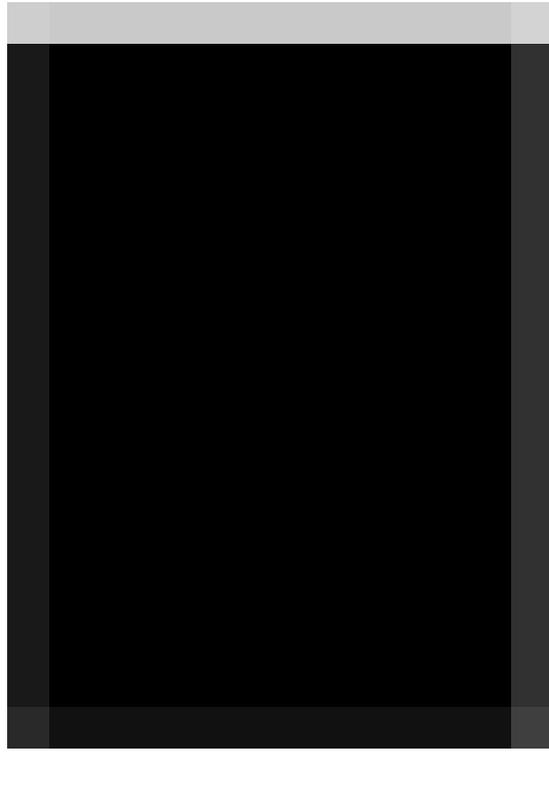
Standard Mode

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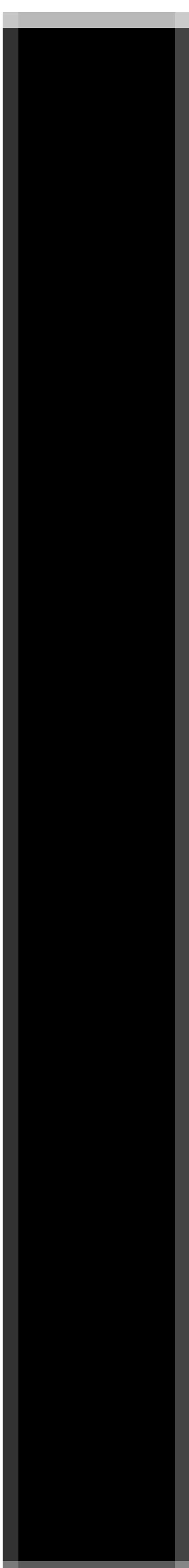
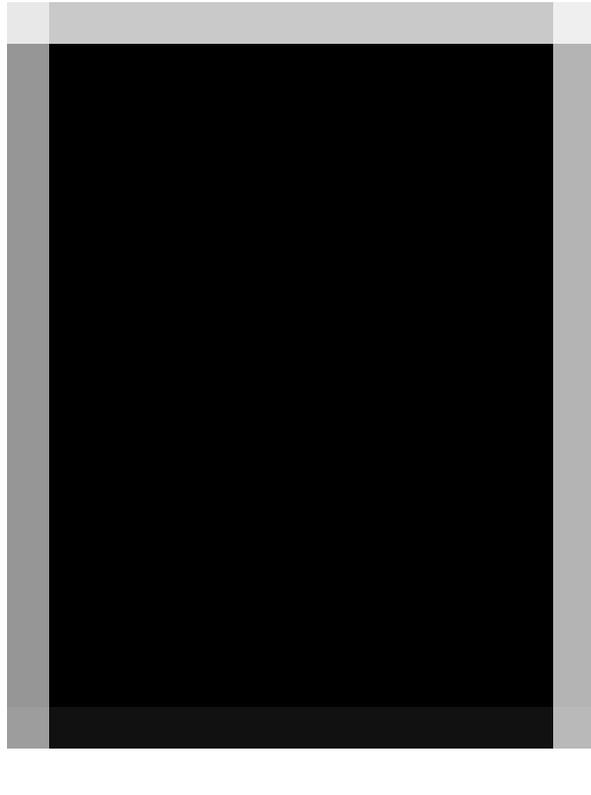
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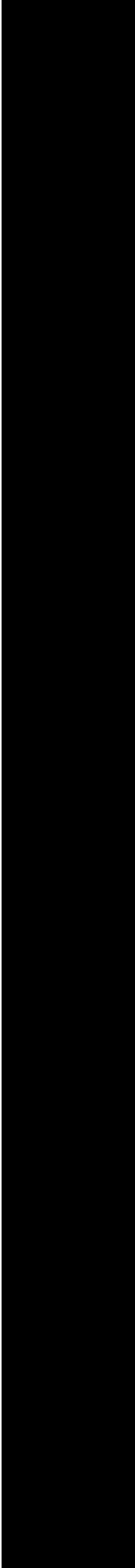
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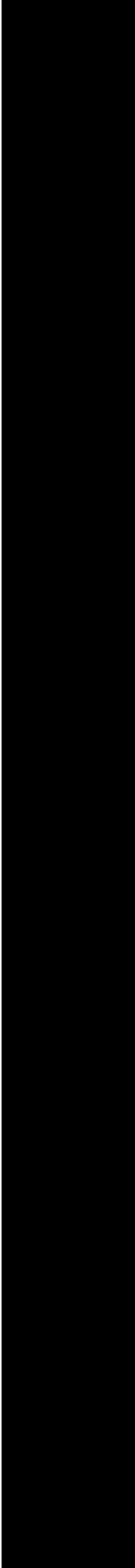


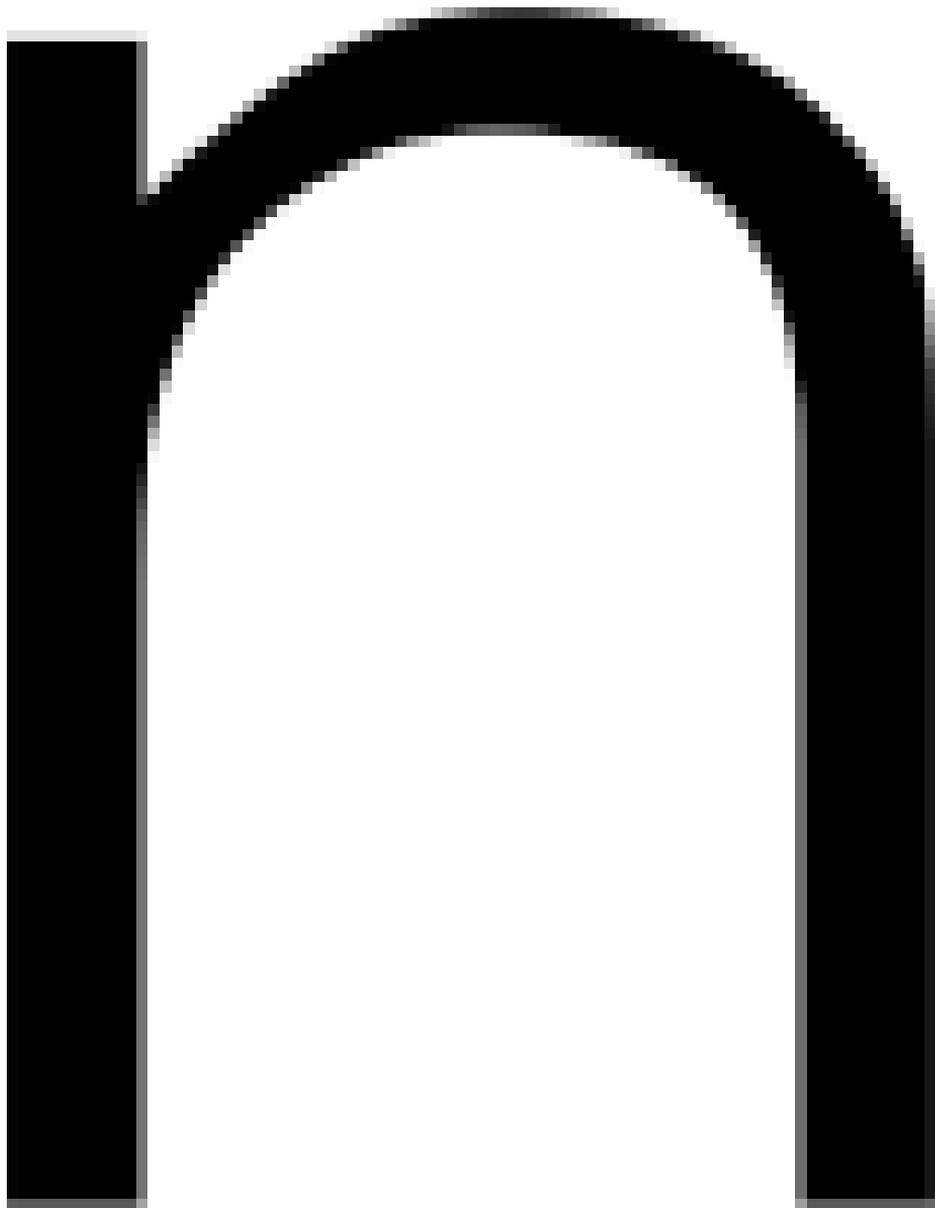


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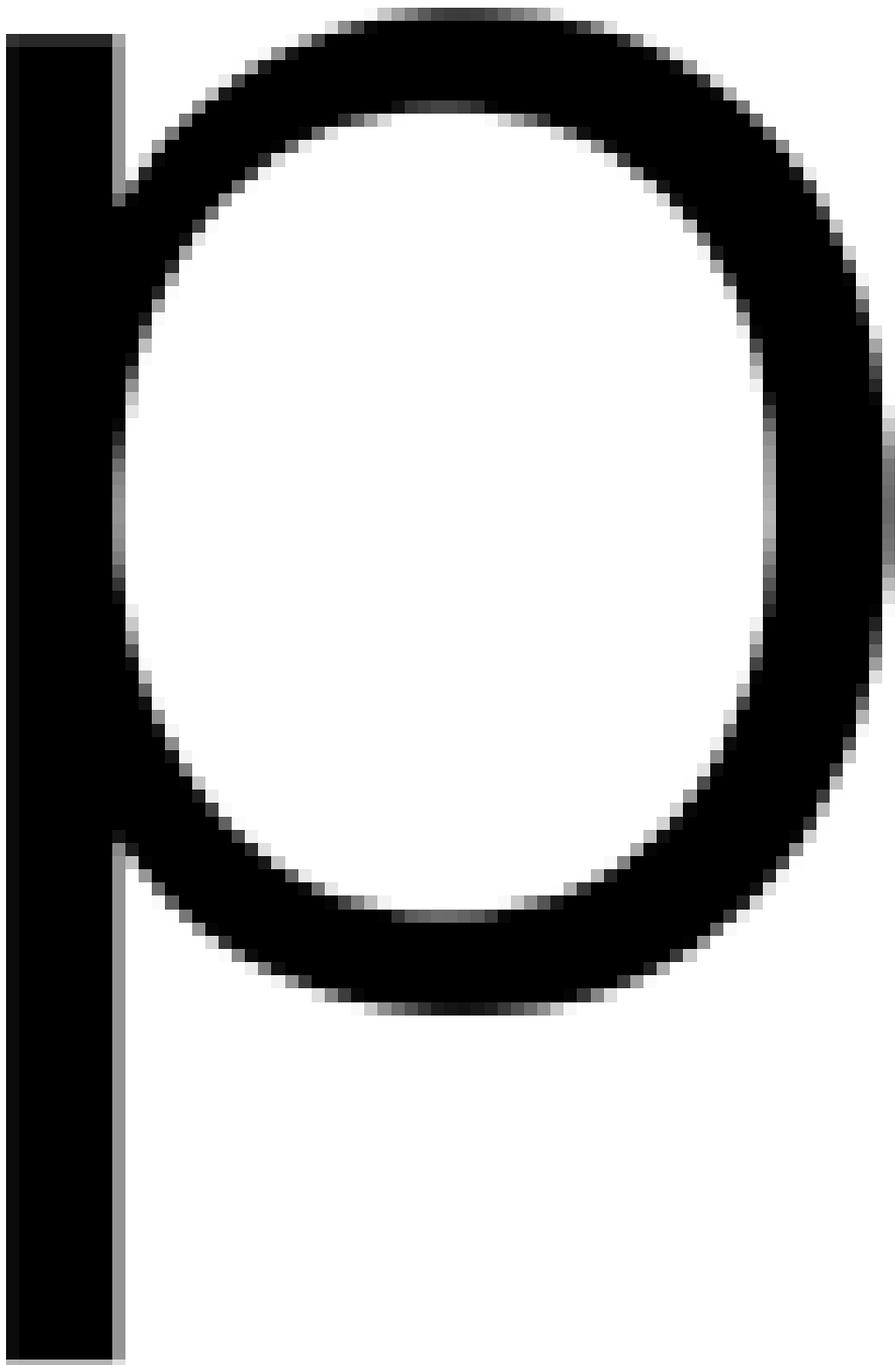
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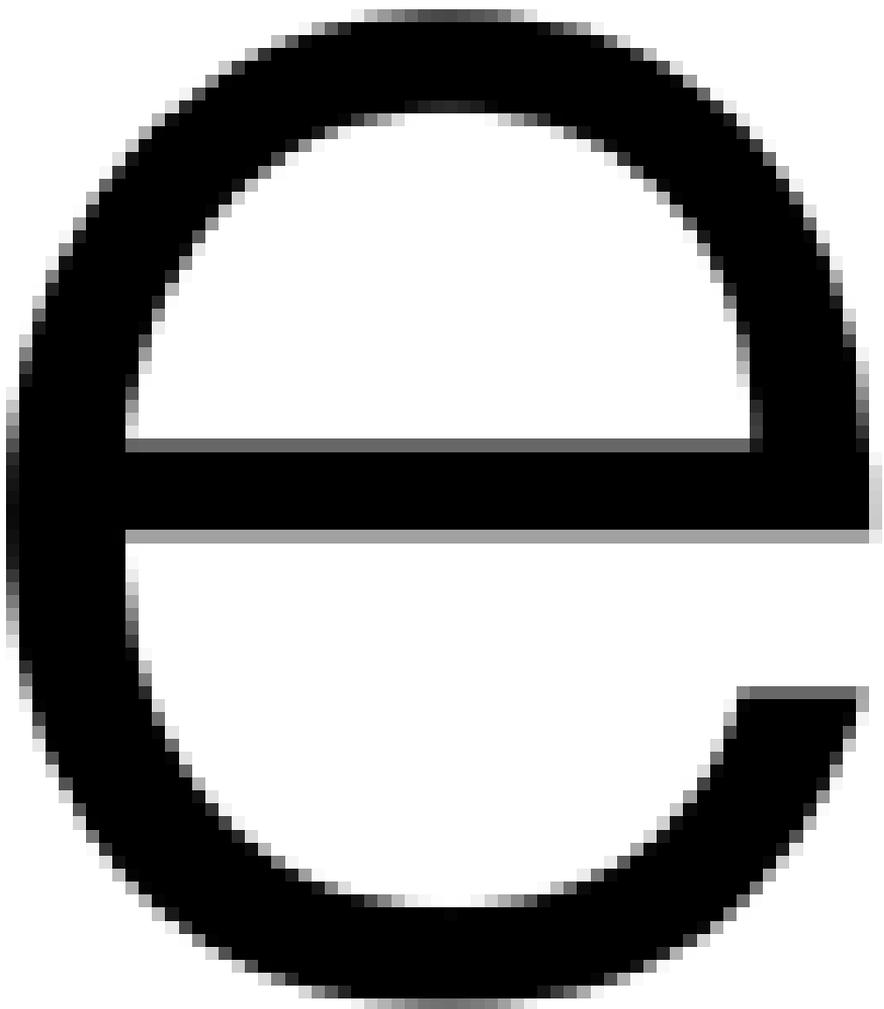


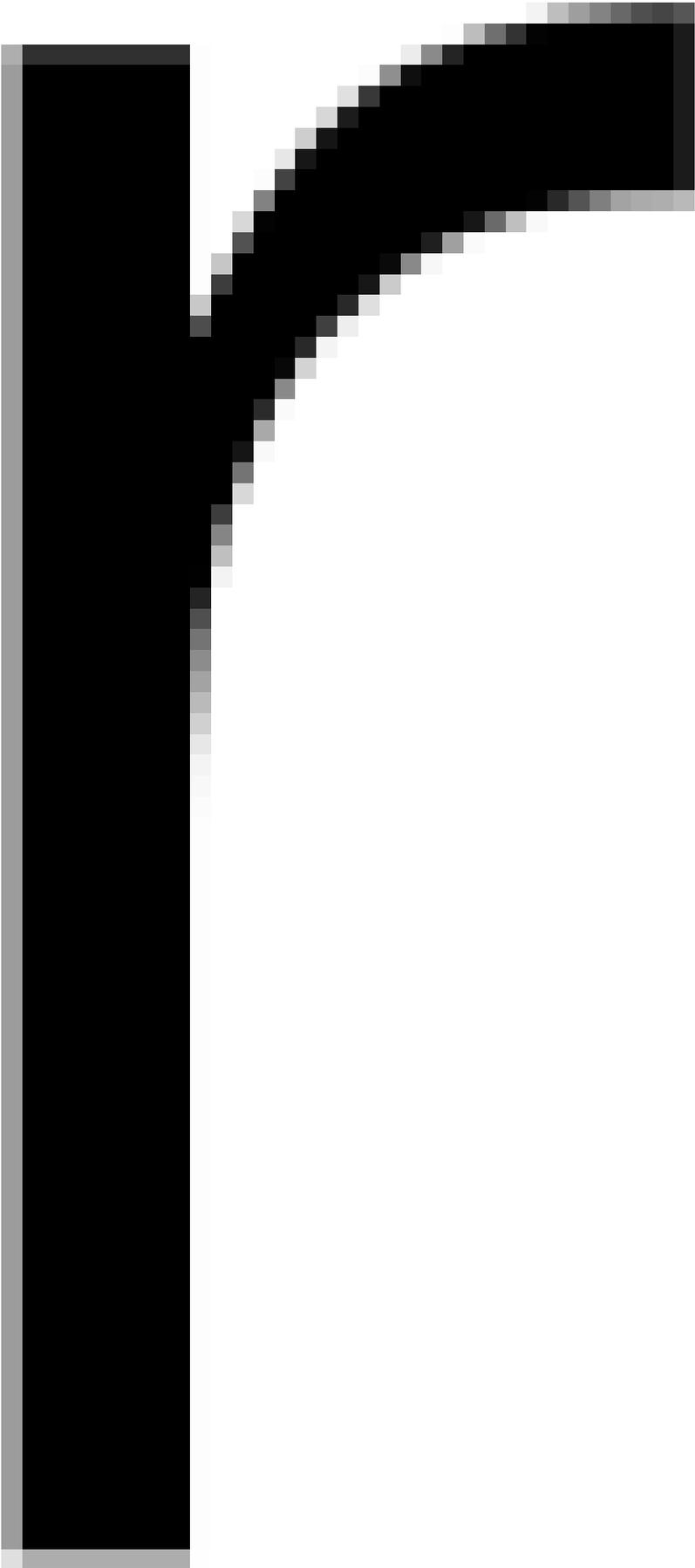
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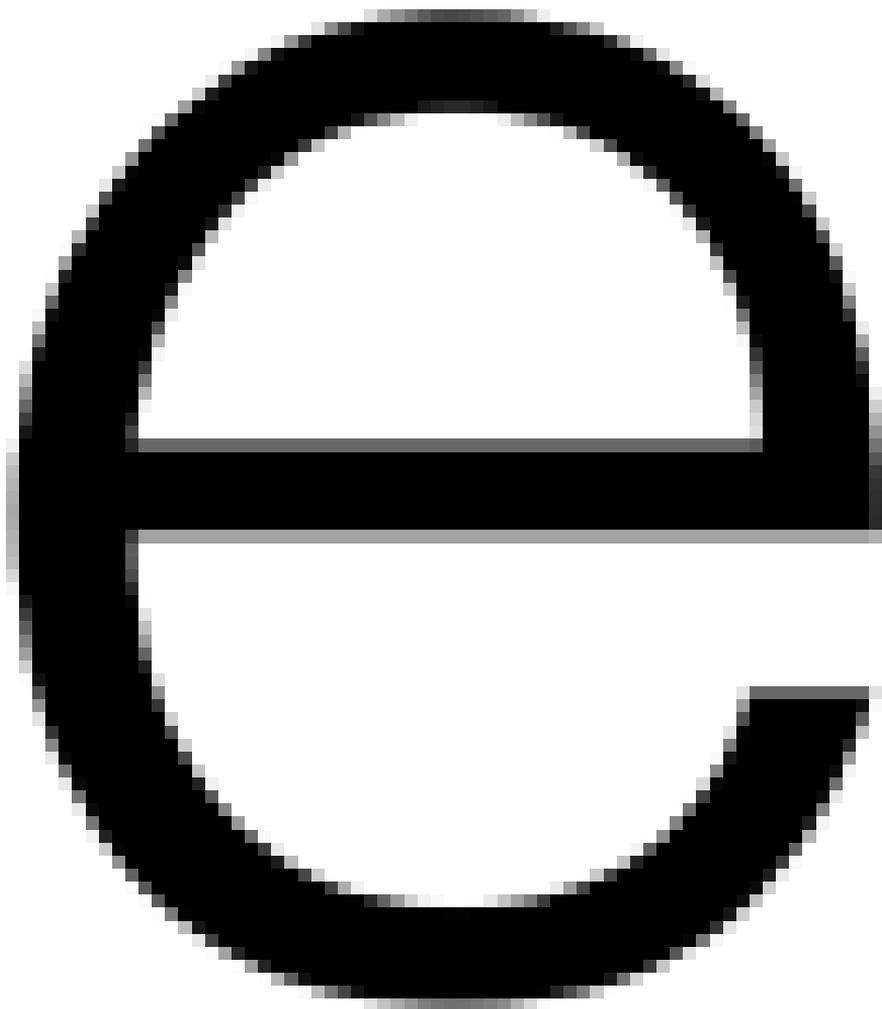


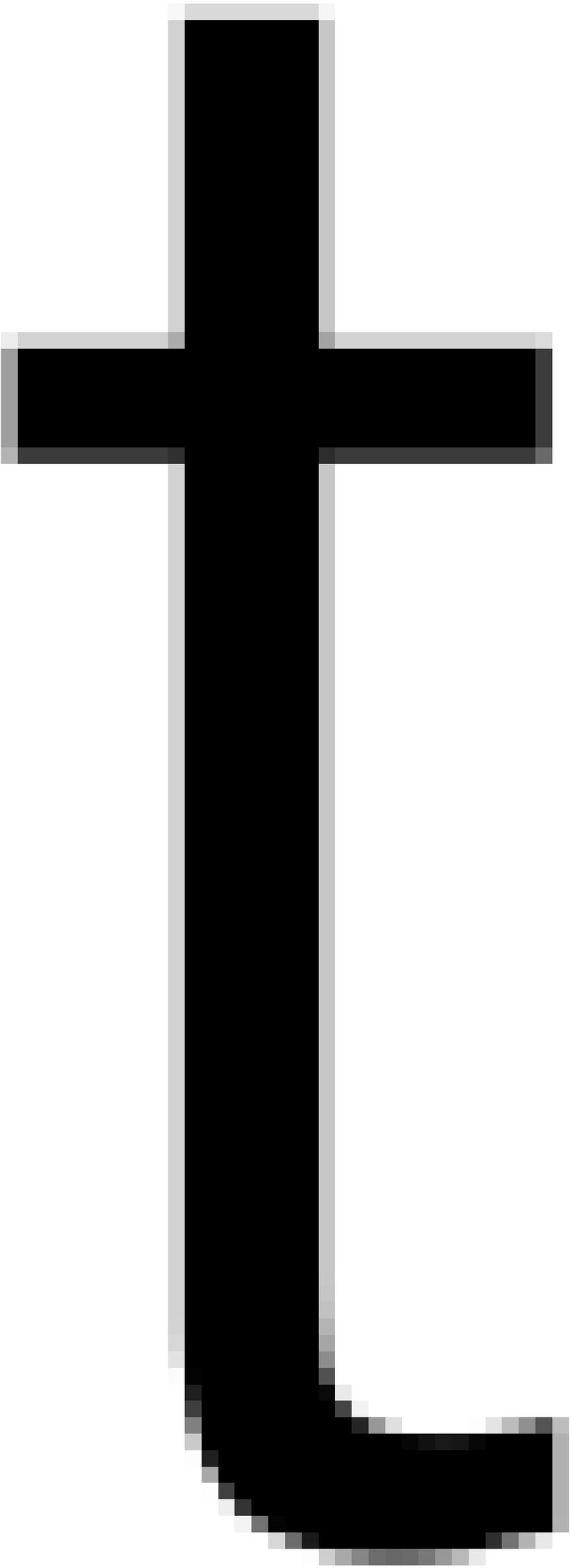


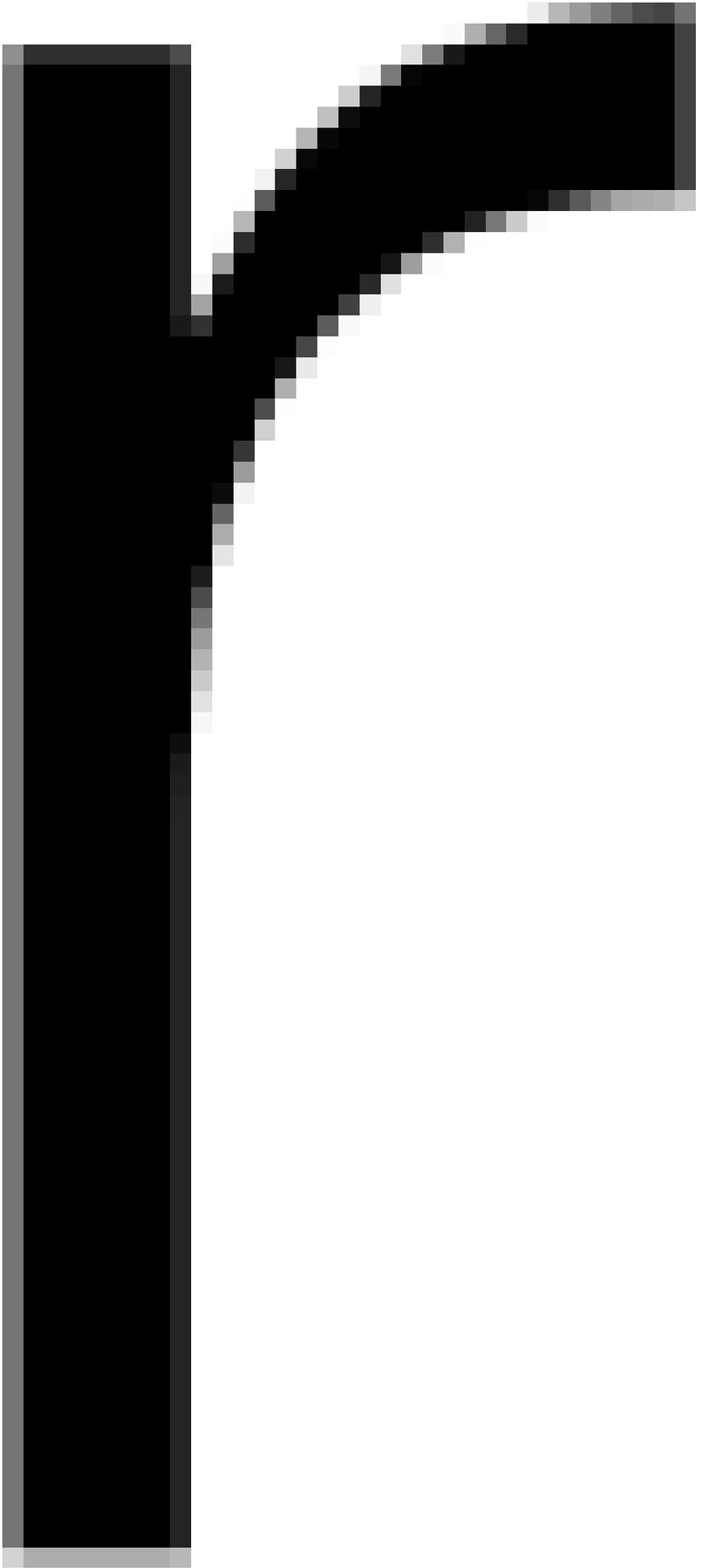
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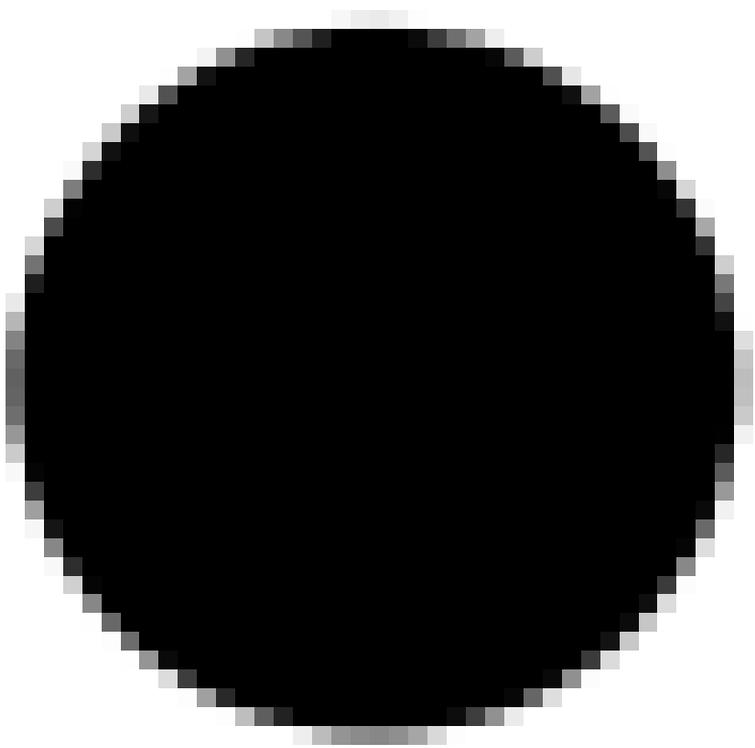










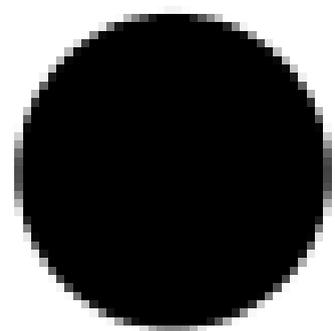


• Hierarchyyprobleem: VVh

ss125Gev, not Plan

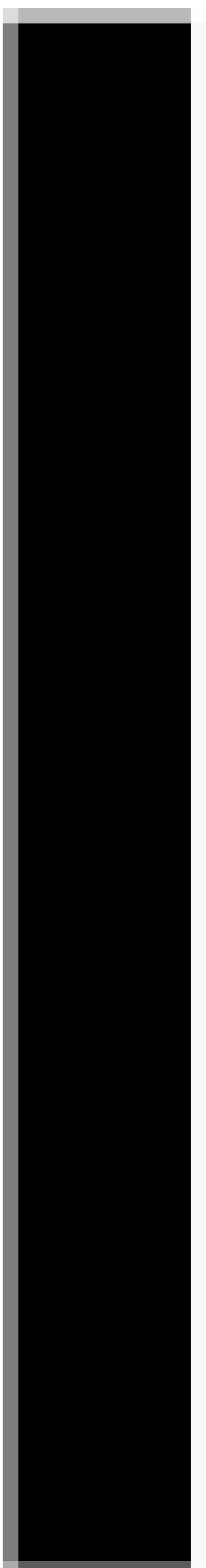
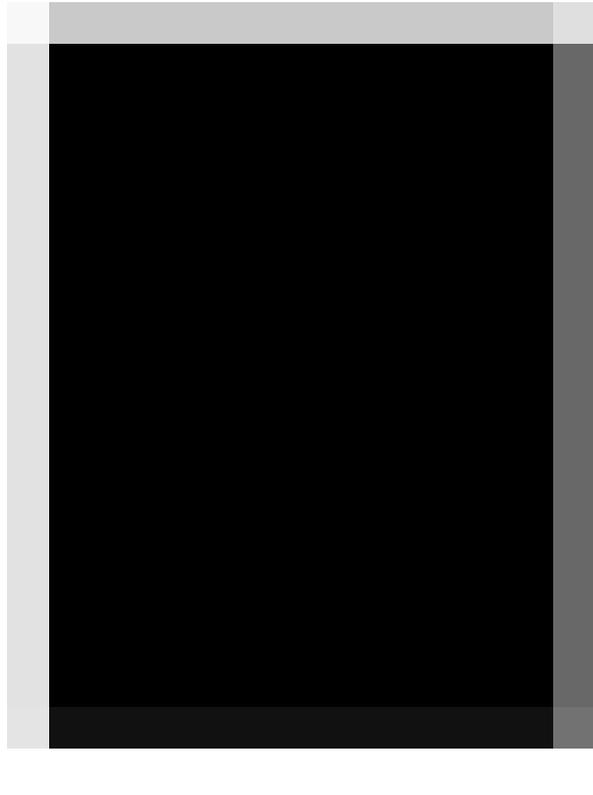
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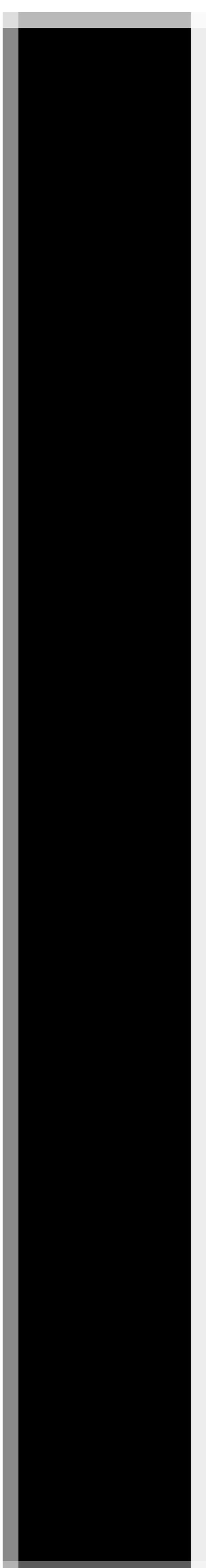
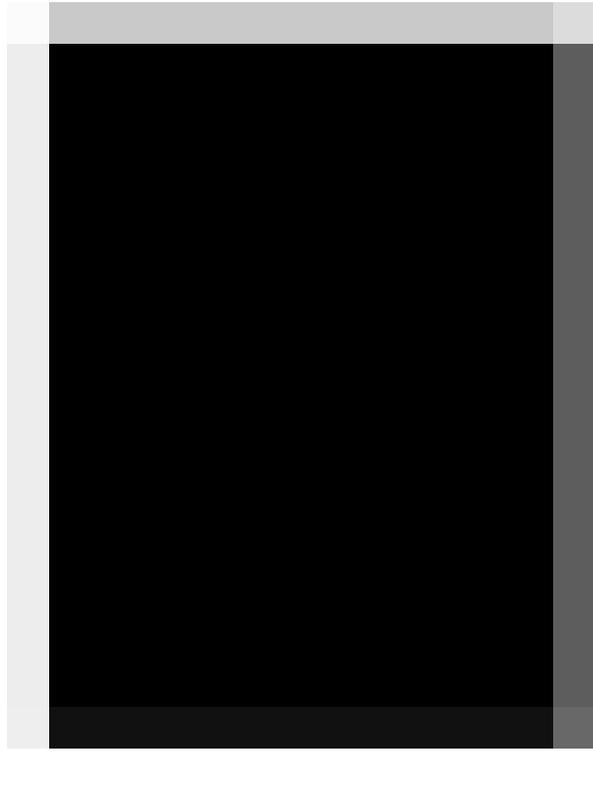
knmas or zero?

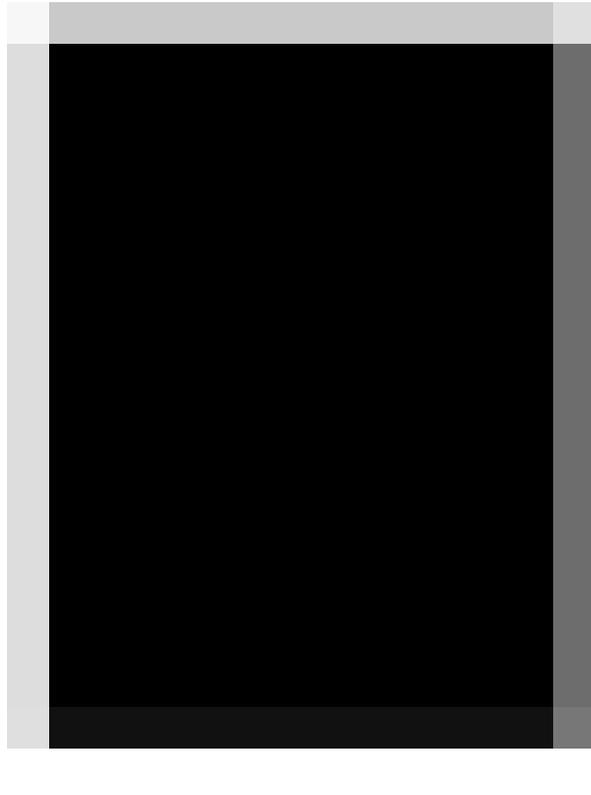


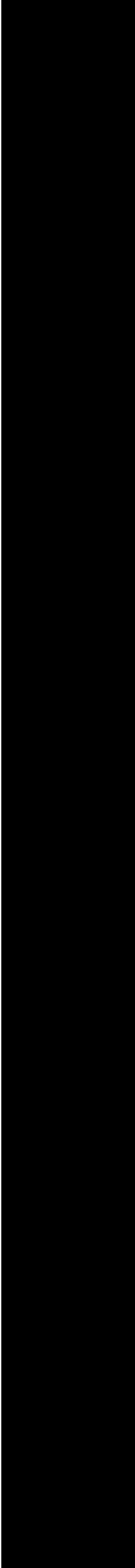
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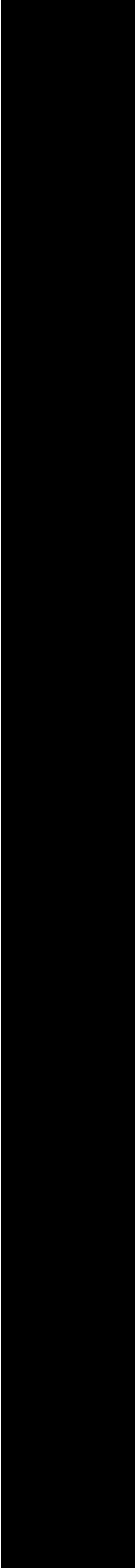
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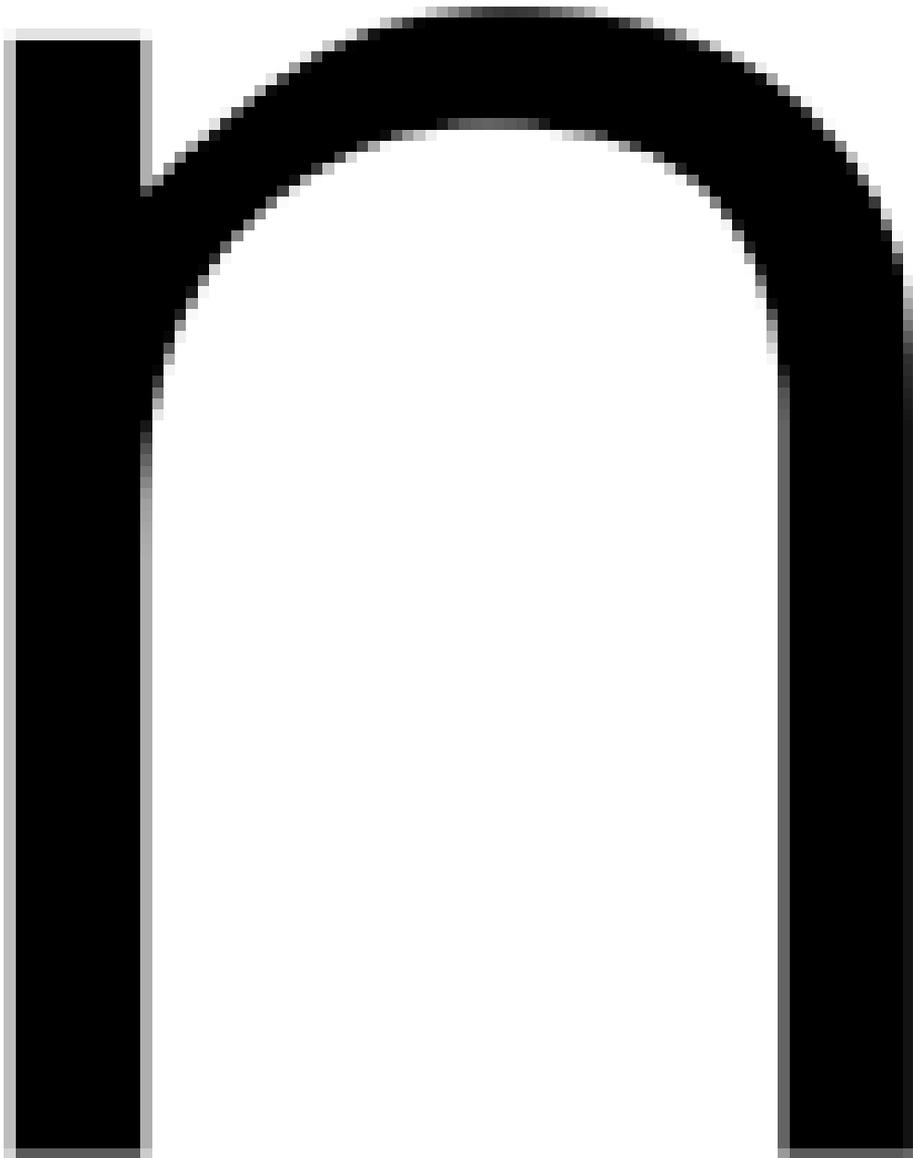


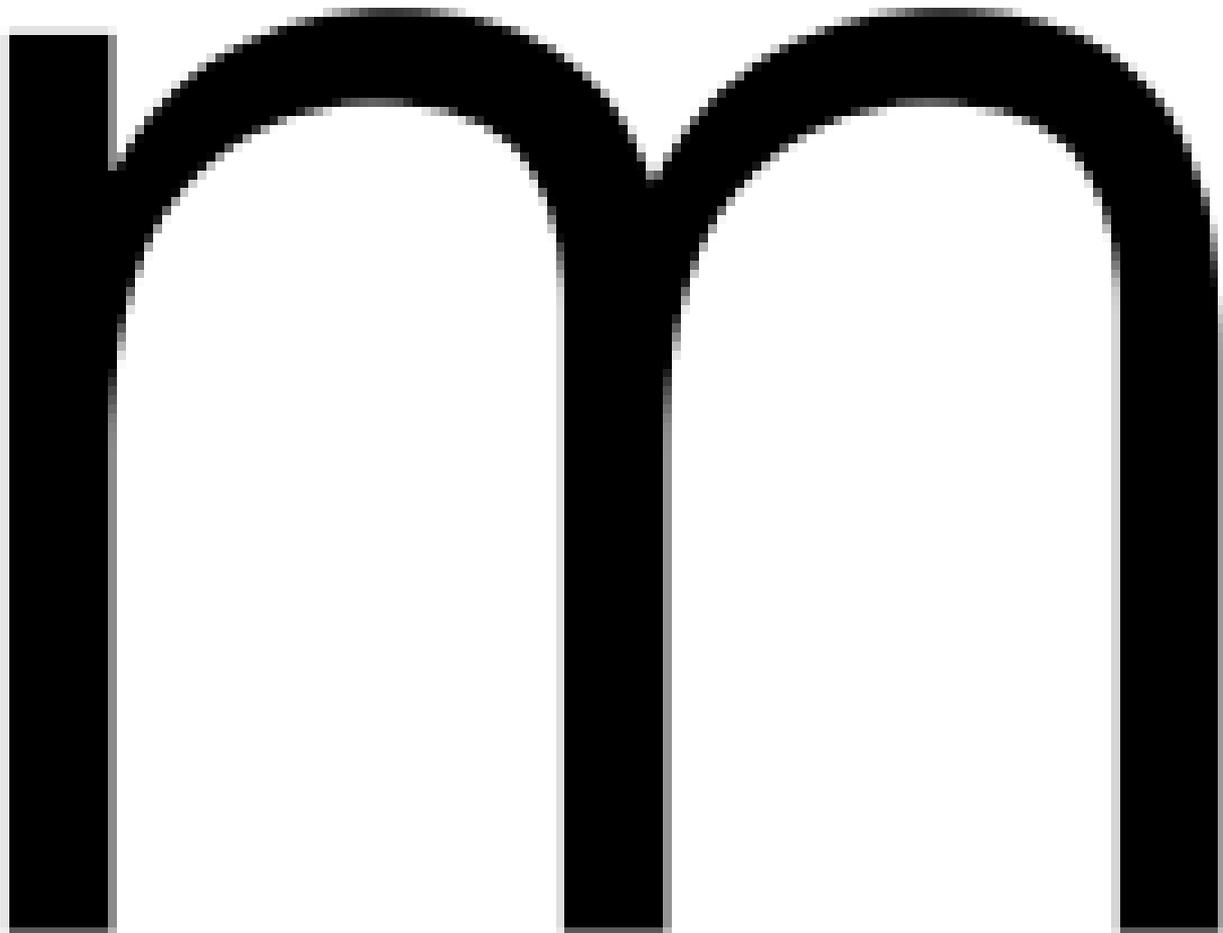












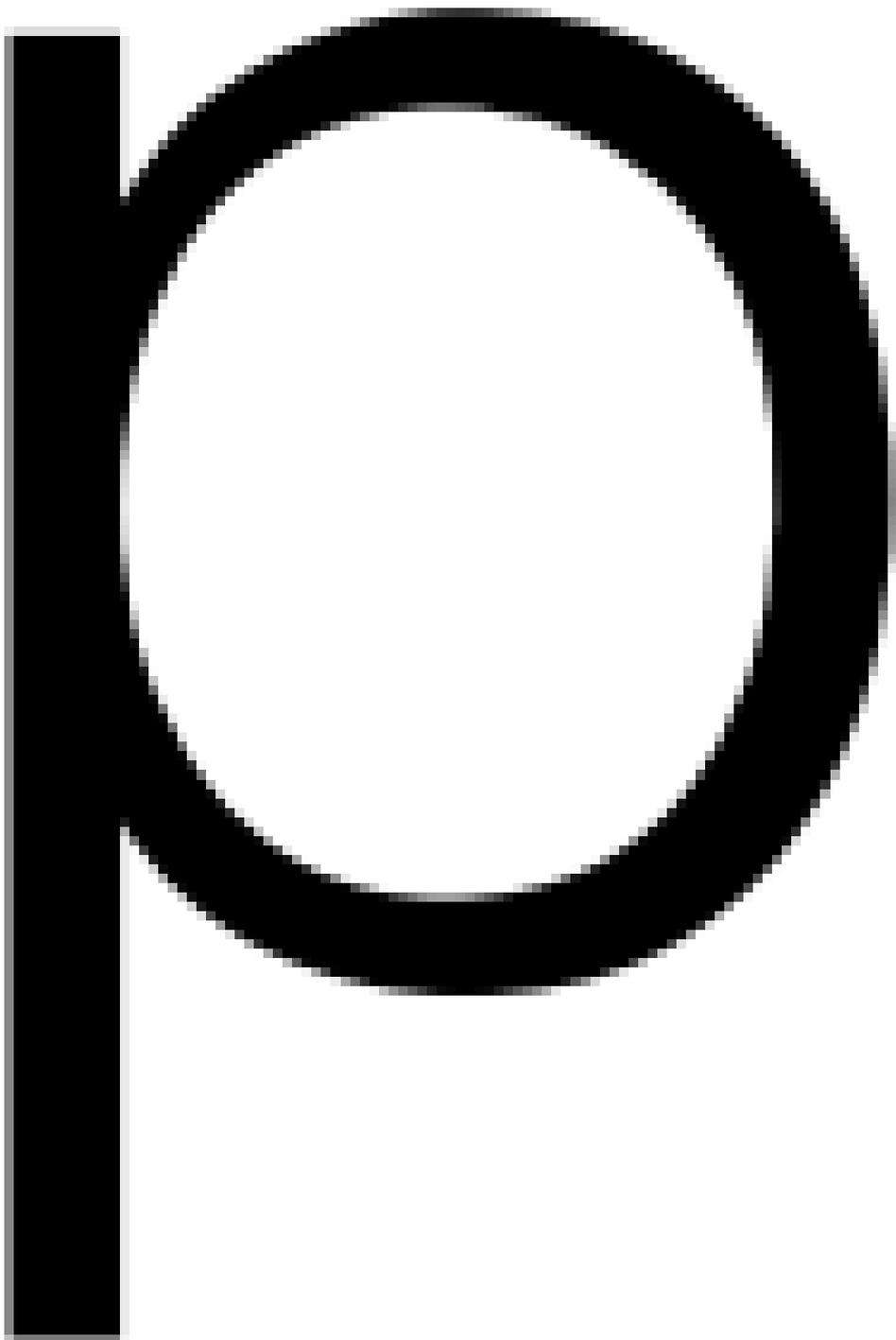
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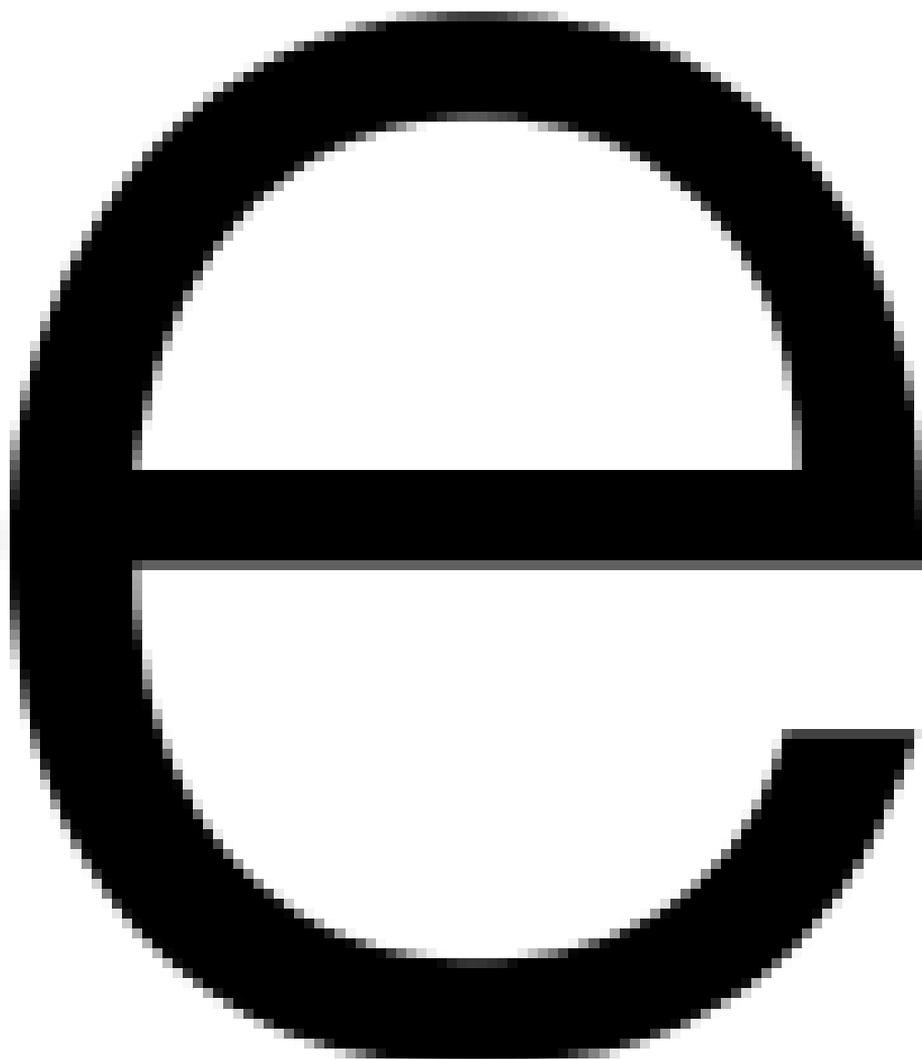


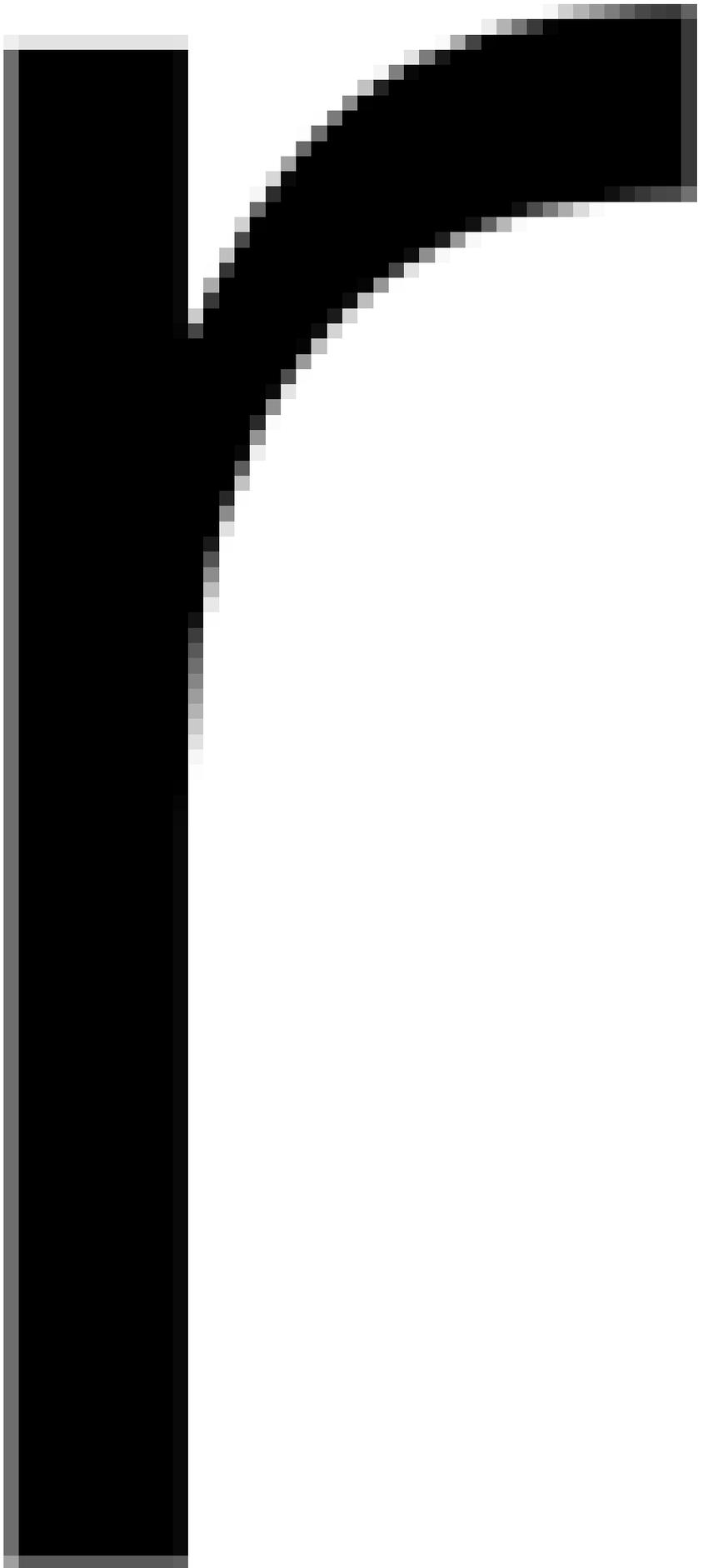
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