

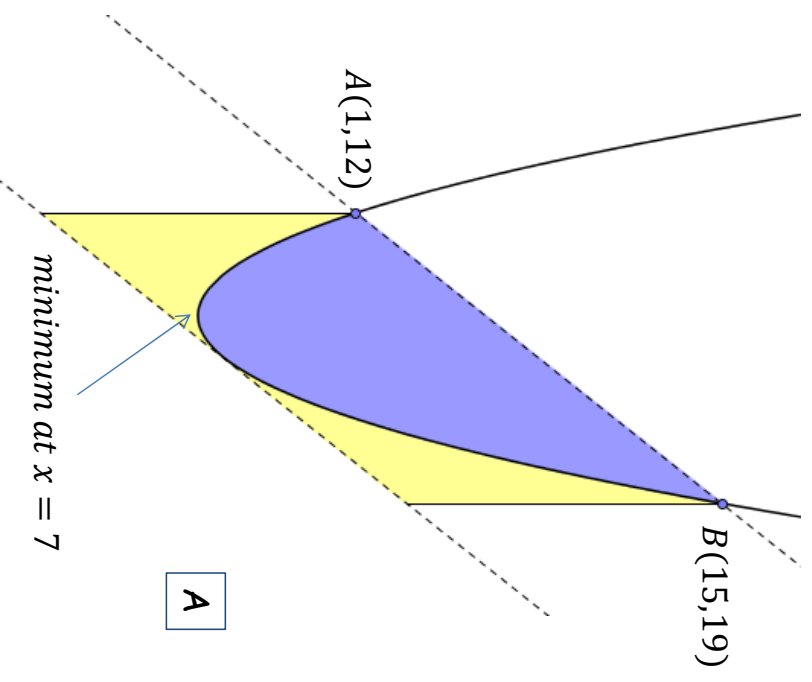
Parabola in Parallelogram

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The upper dashed line extends the chord AB . The lower dashed line is parallel to chord AB and is tangent to the parabola. The solid lines of the parallelogram are parallel to the y -axis.

Your task is to determine the ratio of the blue area to the yellow area.

SIC_30



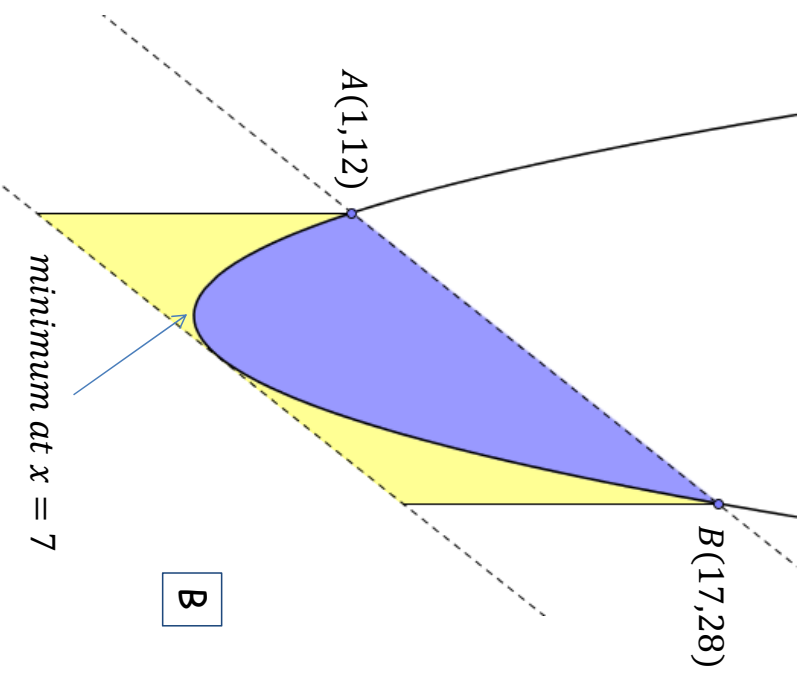
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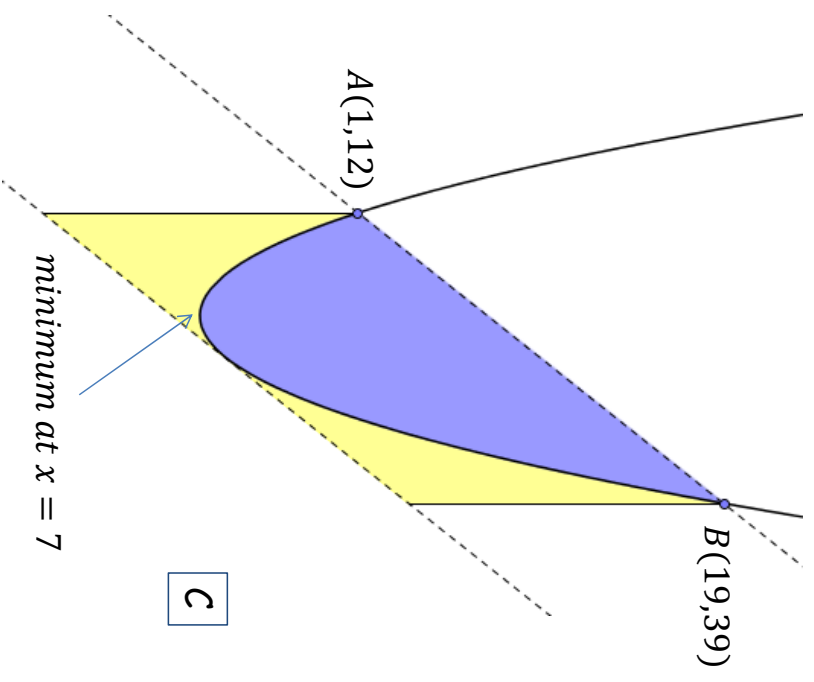
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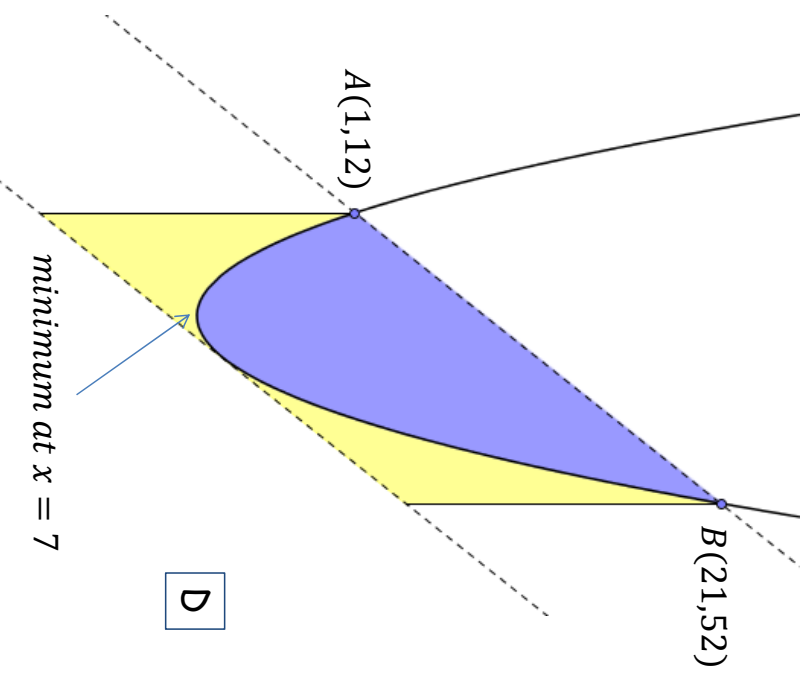
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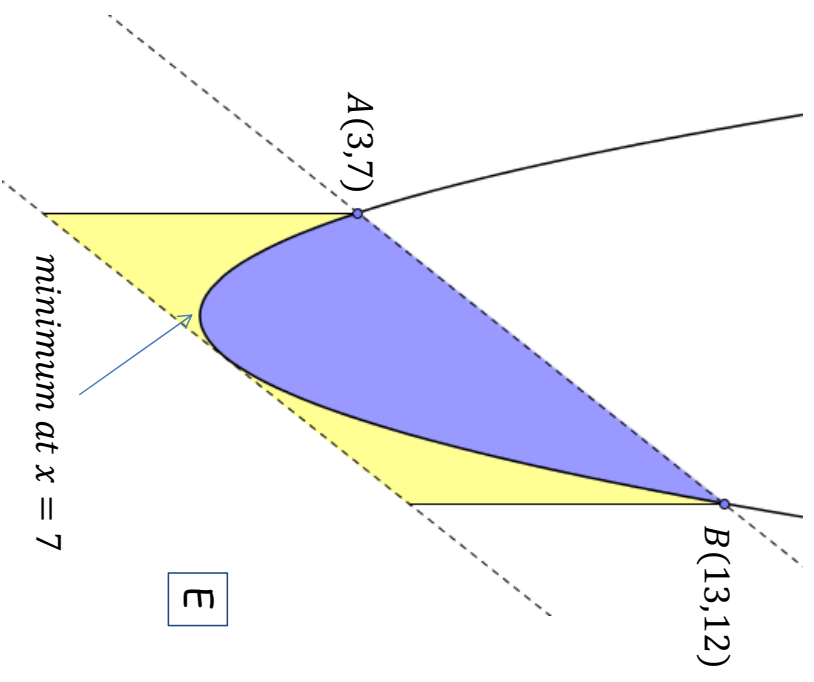
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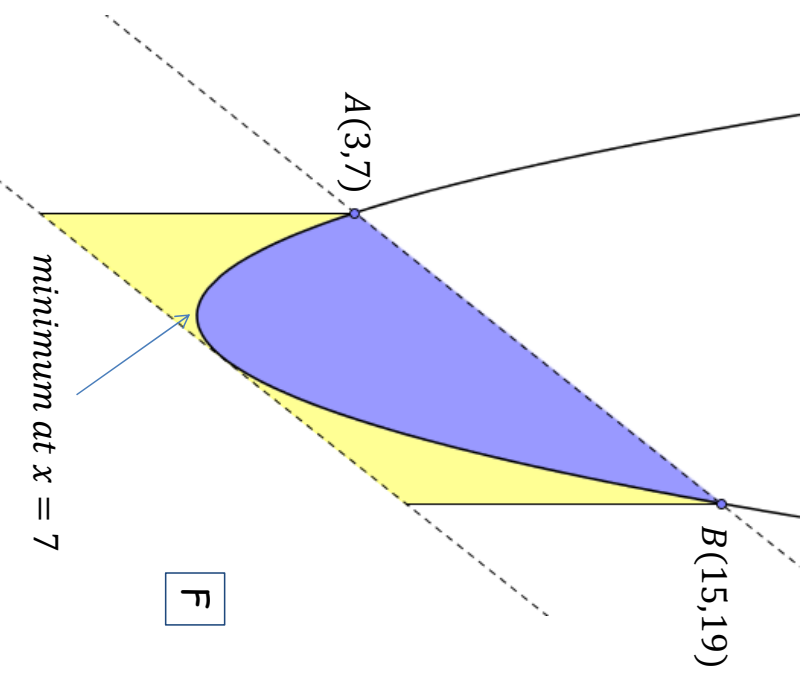
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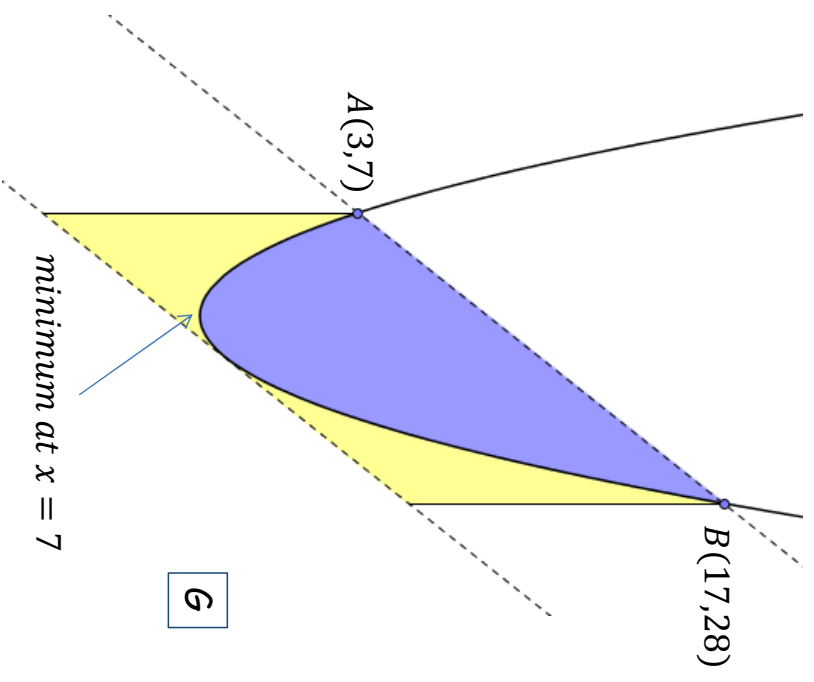
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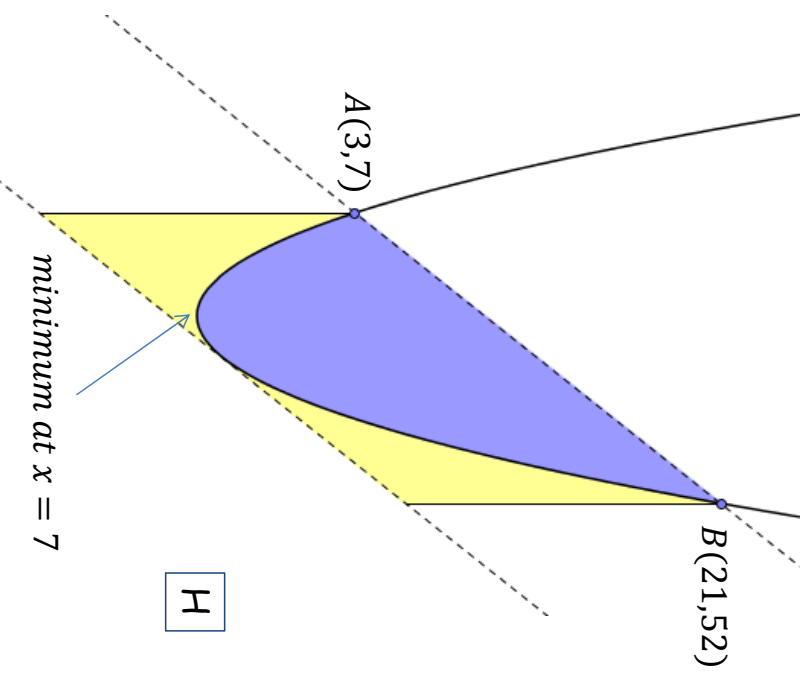
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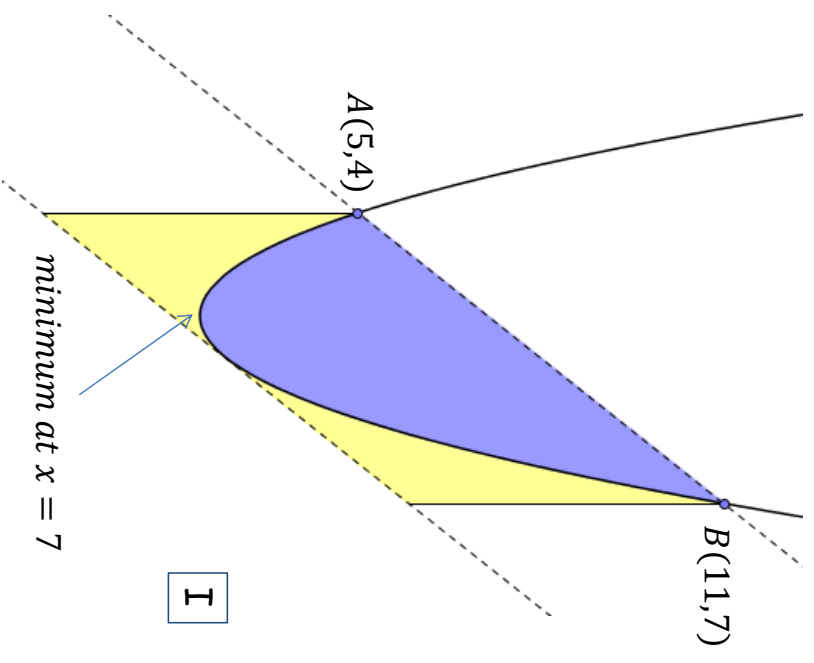
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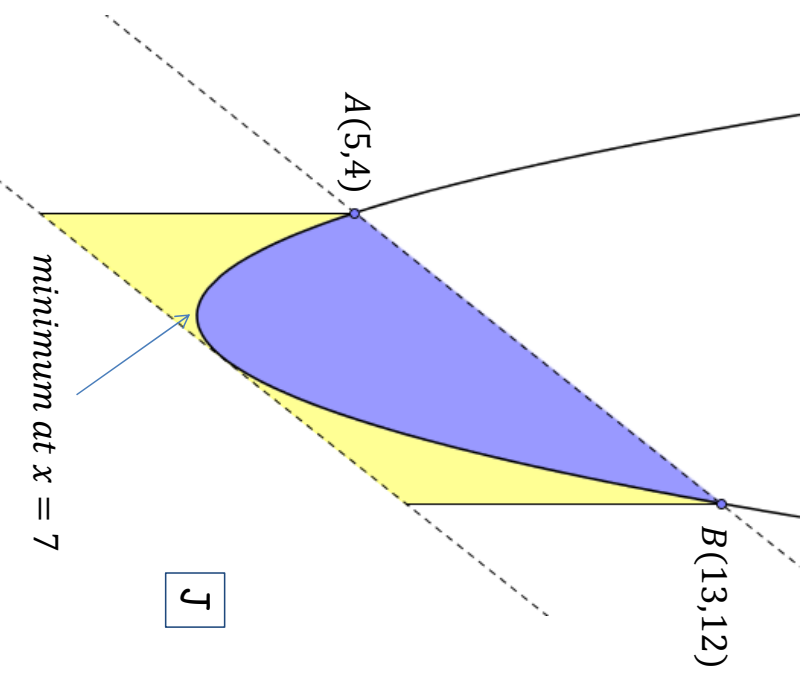
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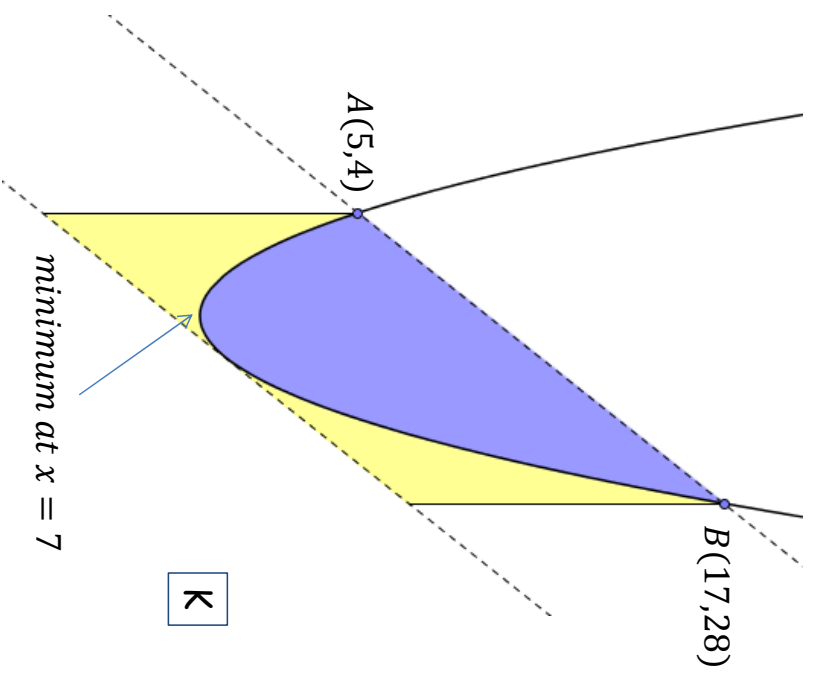
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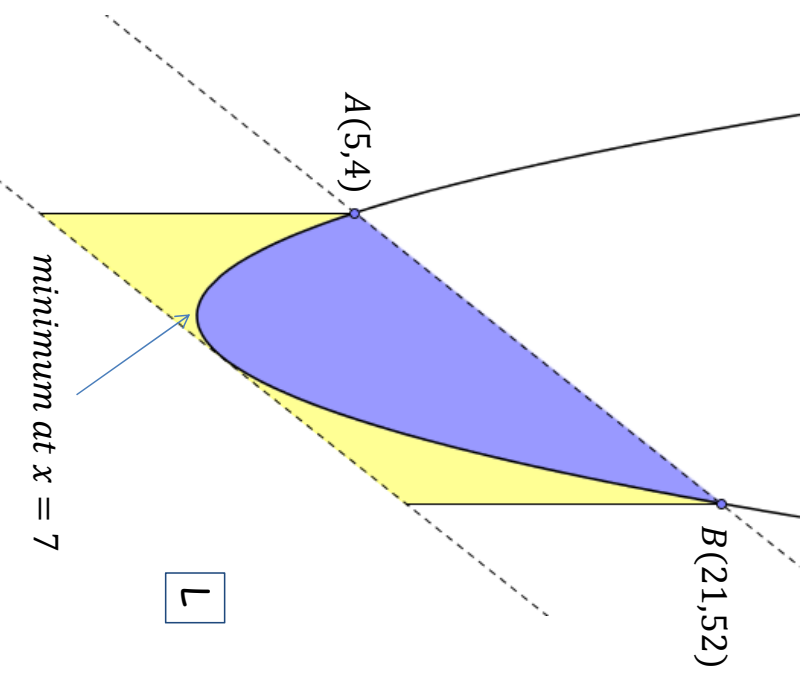
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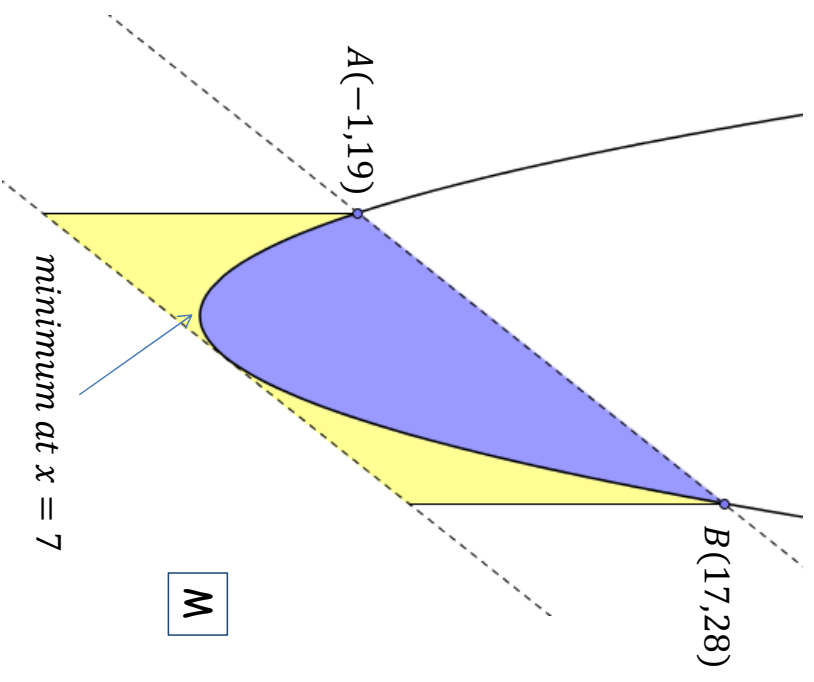
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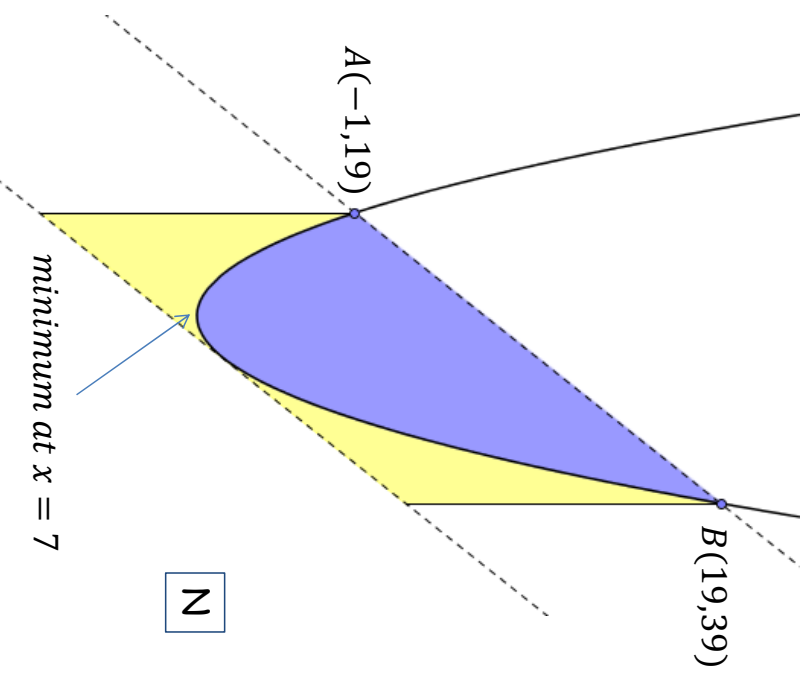
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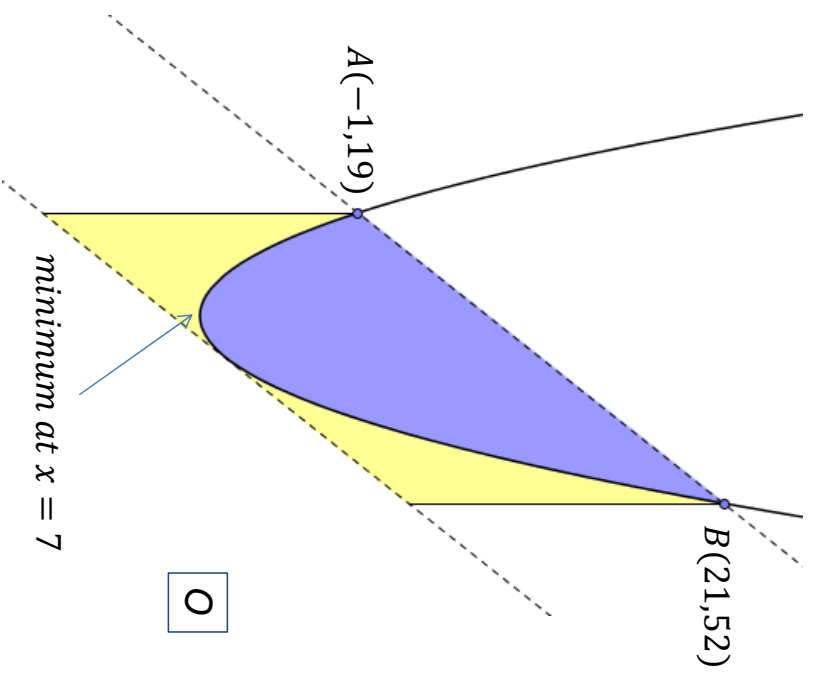
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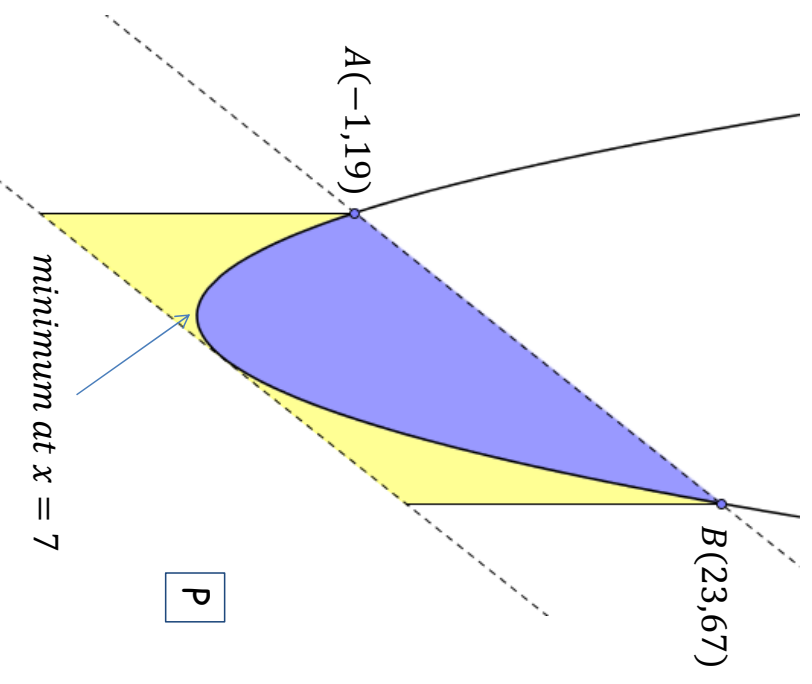
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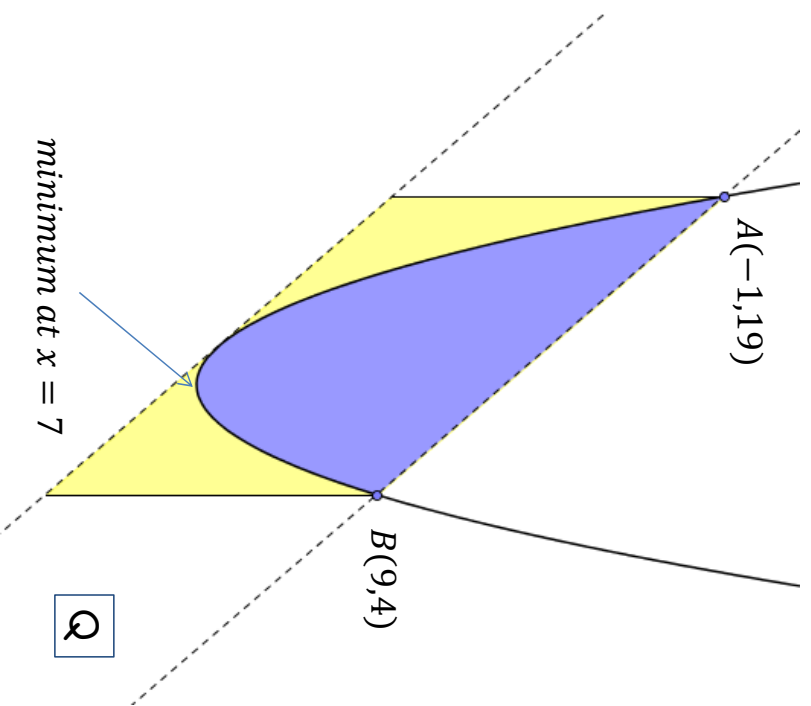
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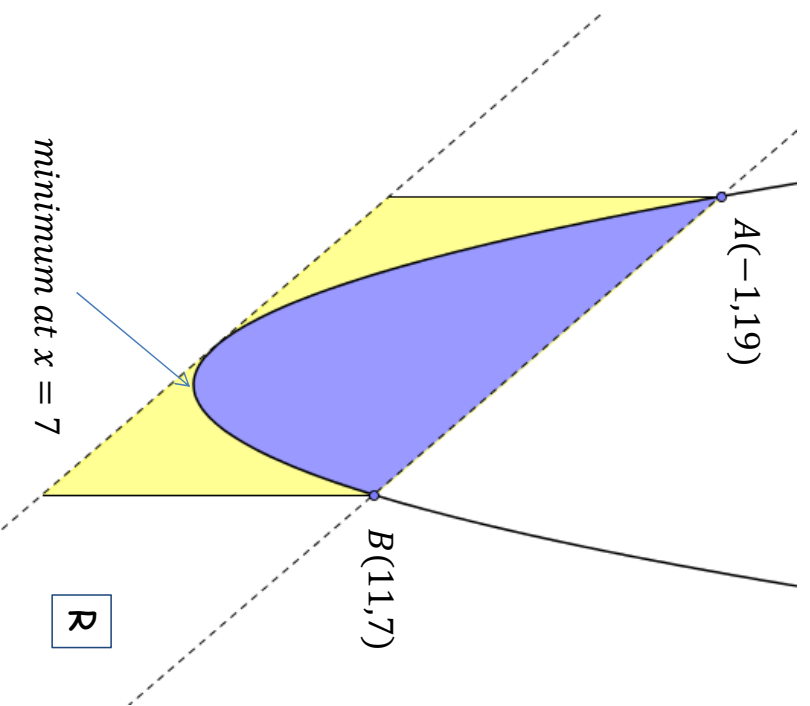
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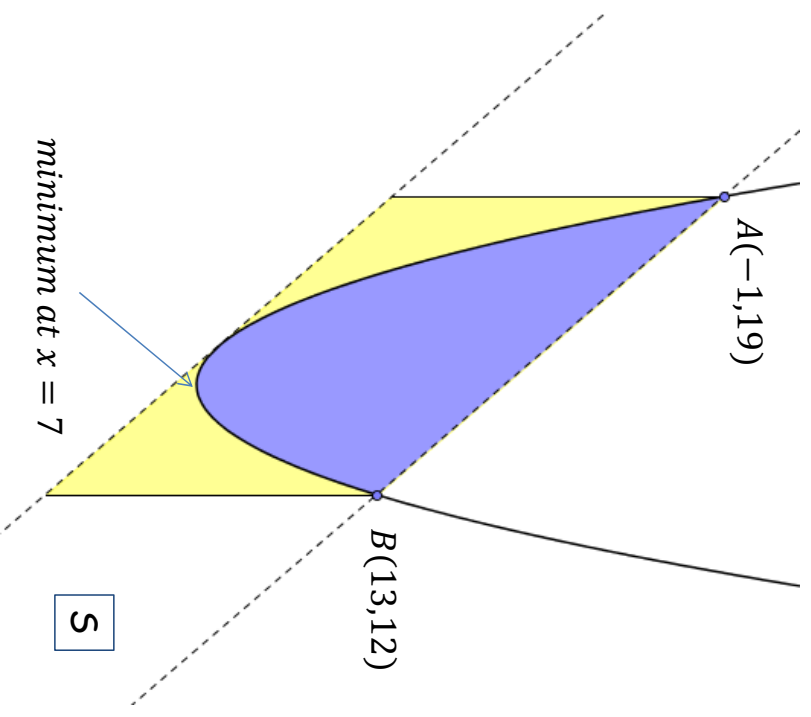
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