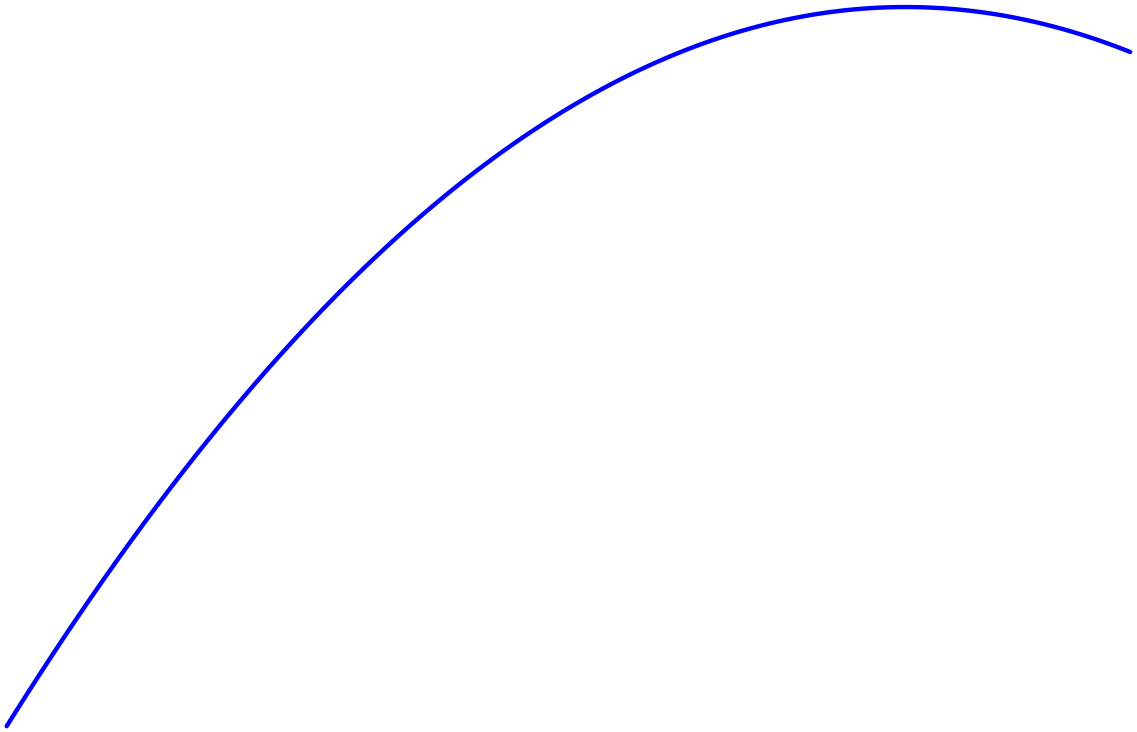
직교좌표에서의 곡선의 길이
(The Arc Length in The Cartesian Plane)

The Arc Length in The Cartesian Plane

Start End

The Arc Length in The Cartesian Plane

Start End



The Arc Length in The Cartesian Plane

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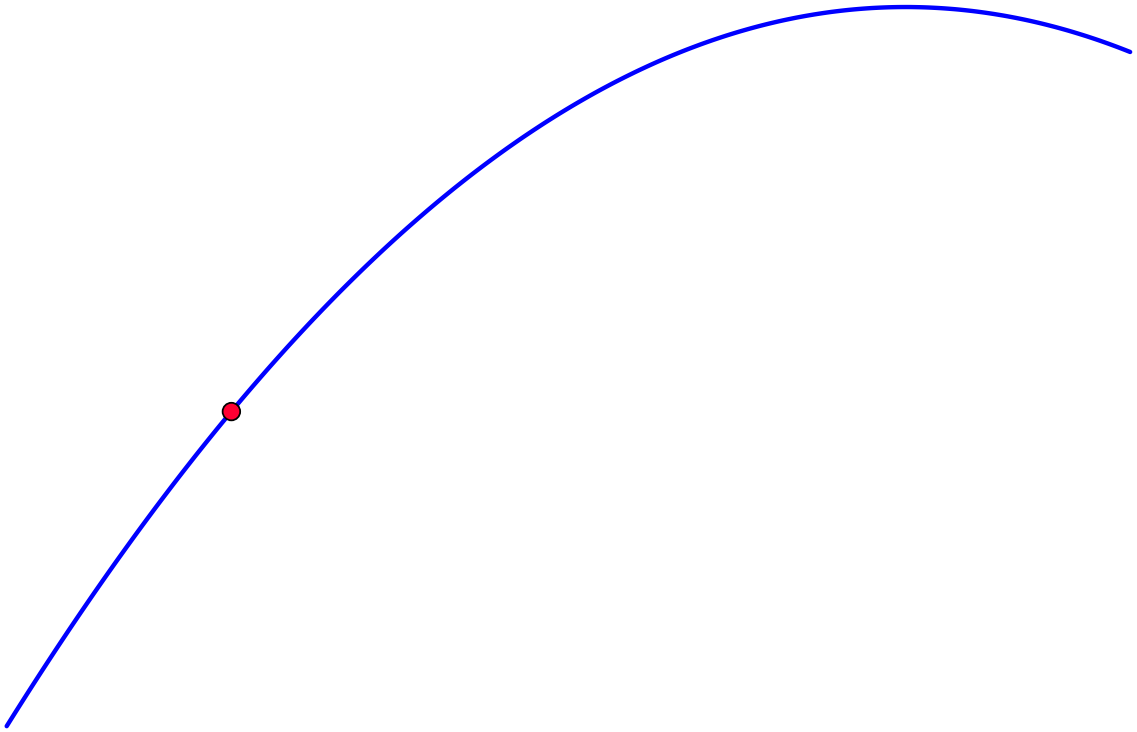

The Arc Length in The Cartesian Plane

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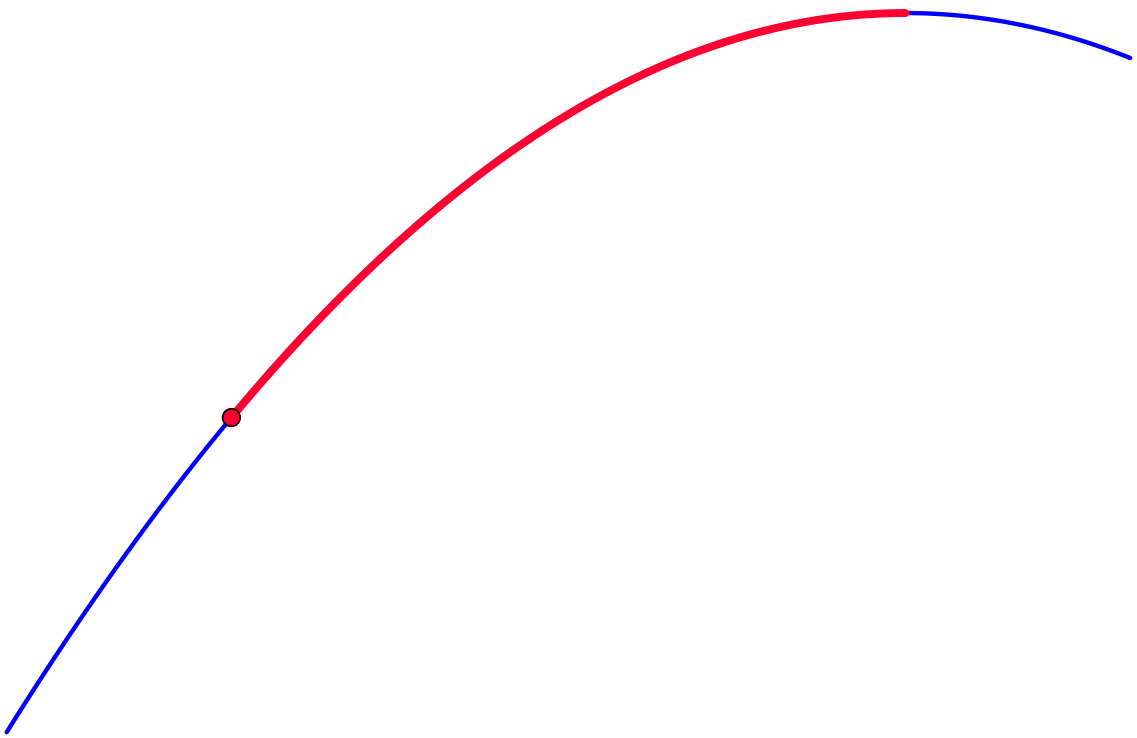

The Arc Length in The Cartesian Plane

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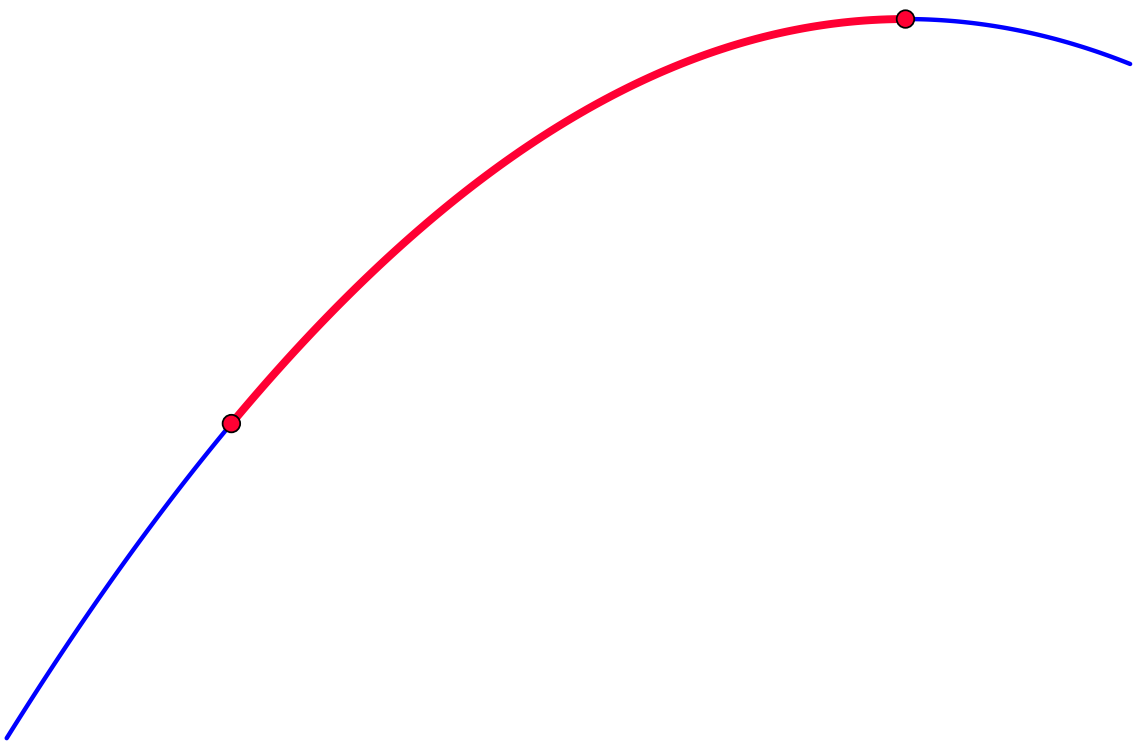

The Arc Length in The Cartesian Plane

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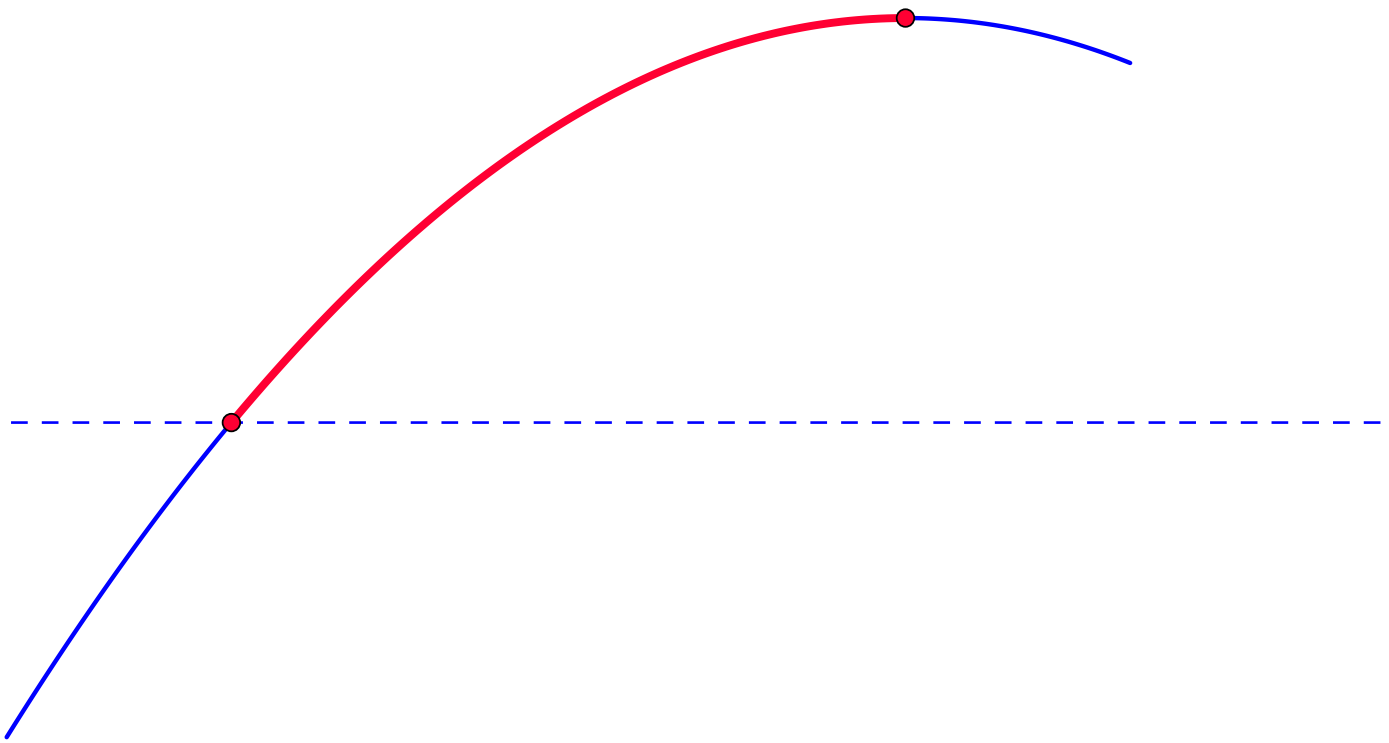
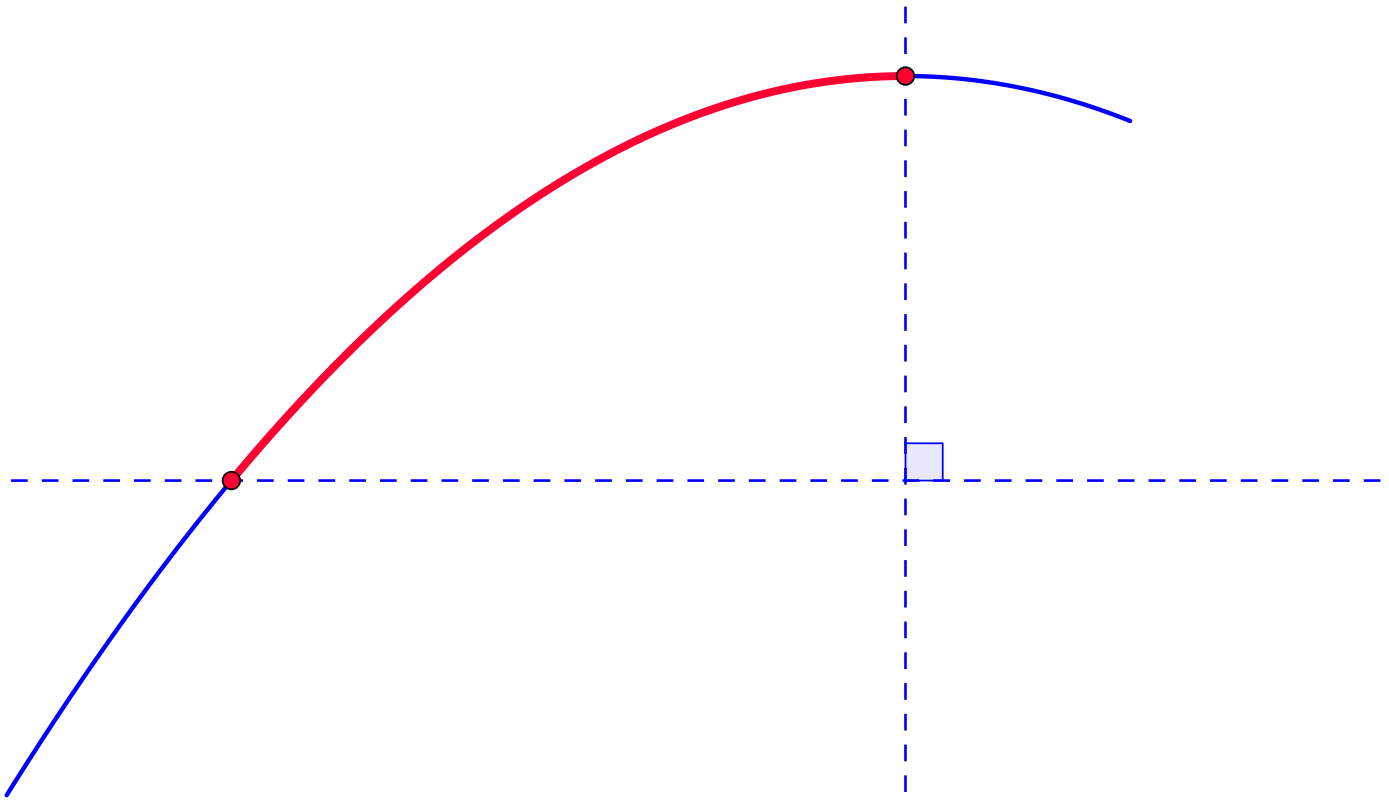


The Arc Length in The Cartesian Plane

Start End



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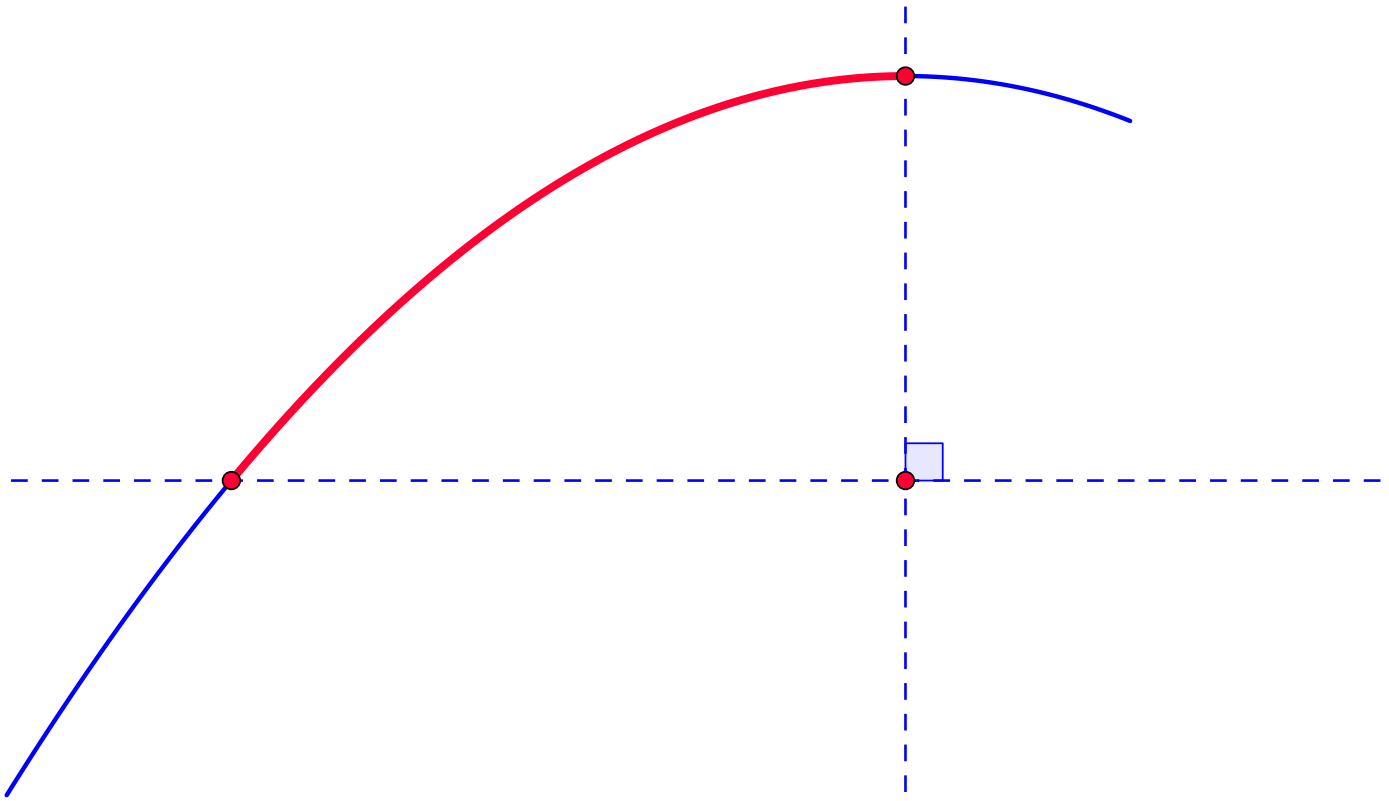

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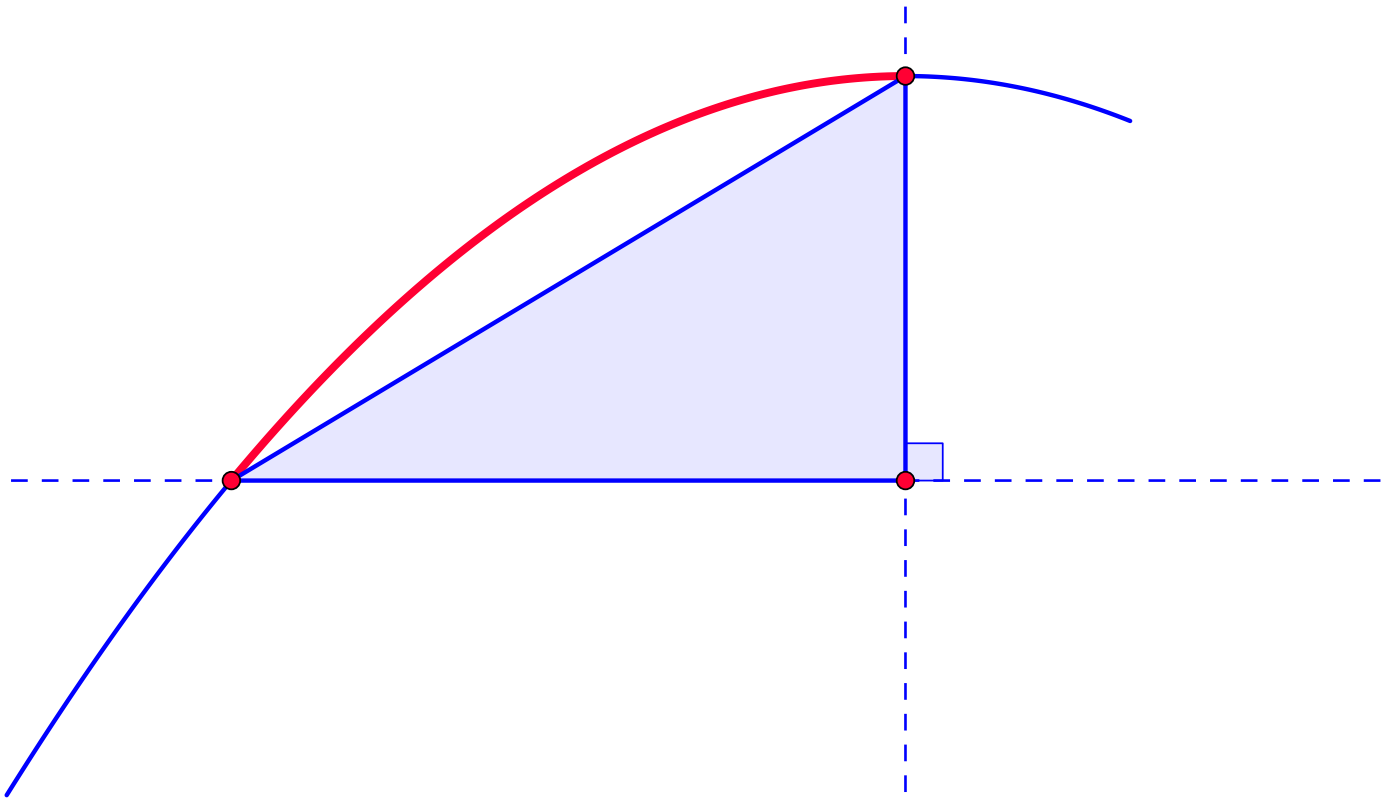

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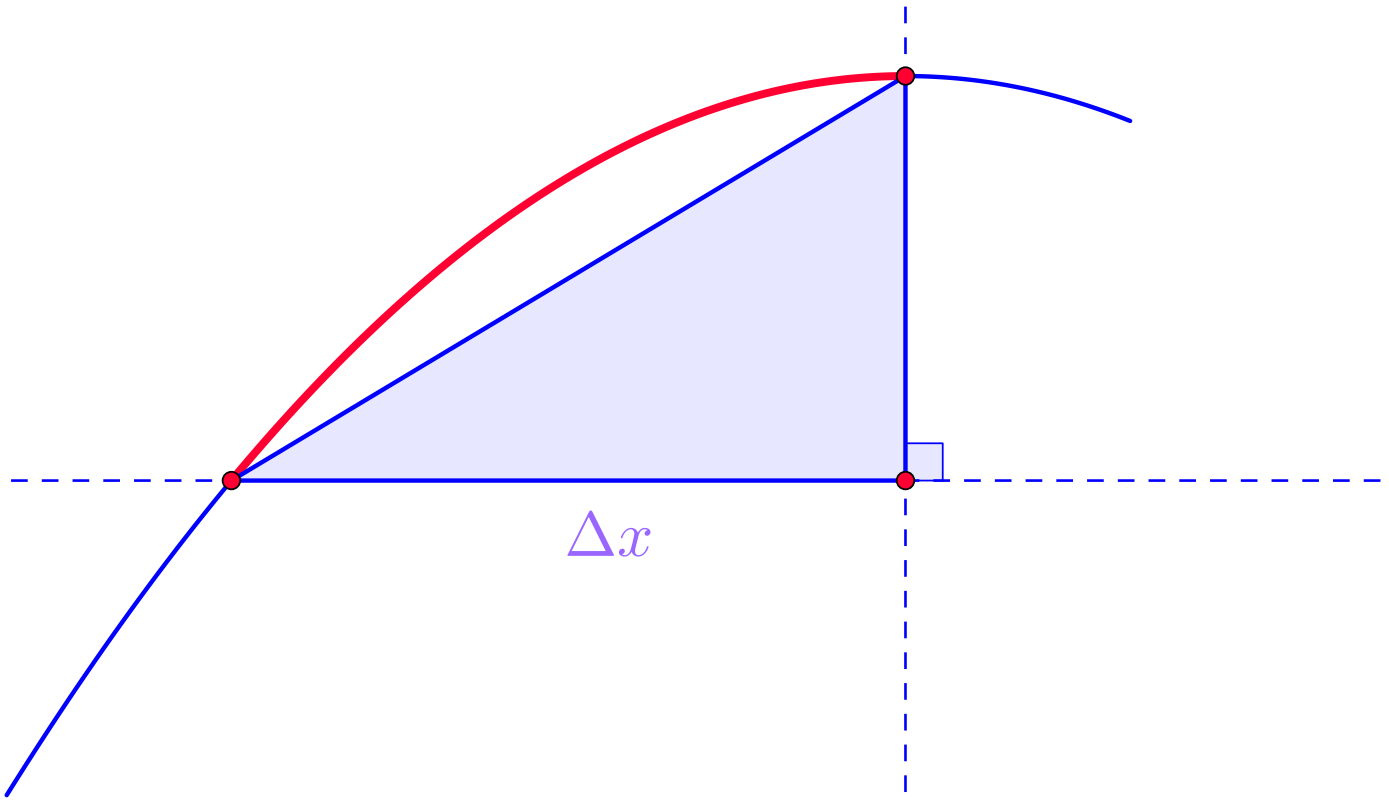

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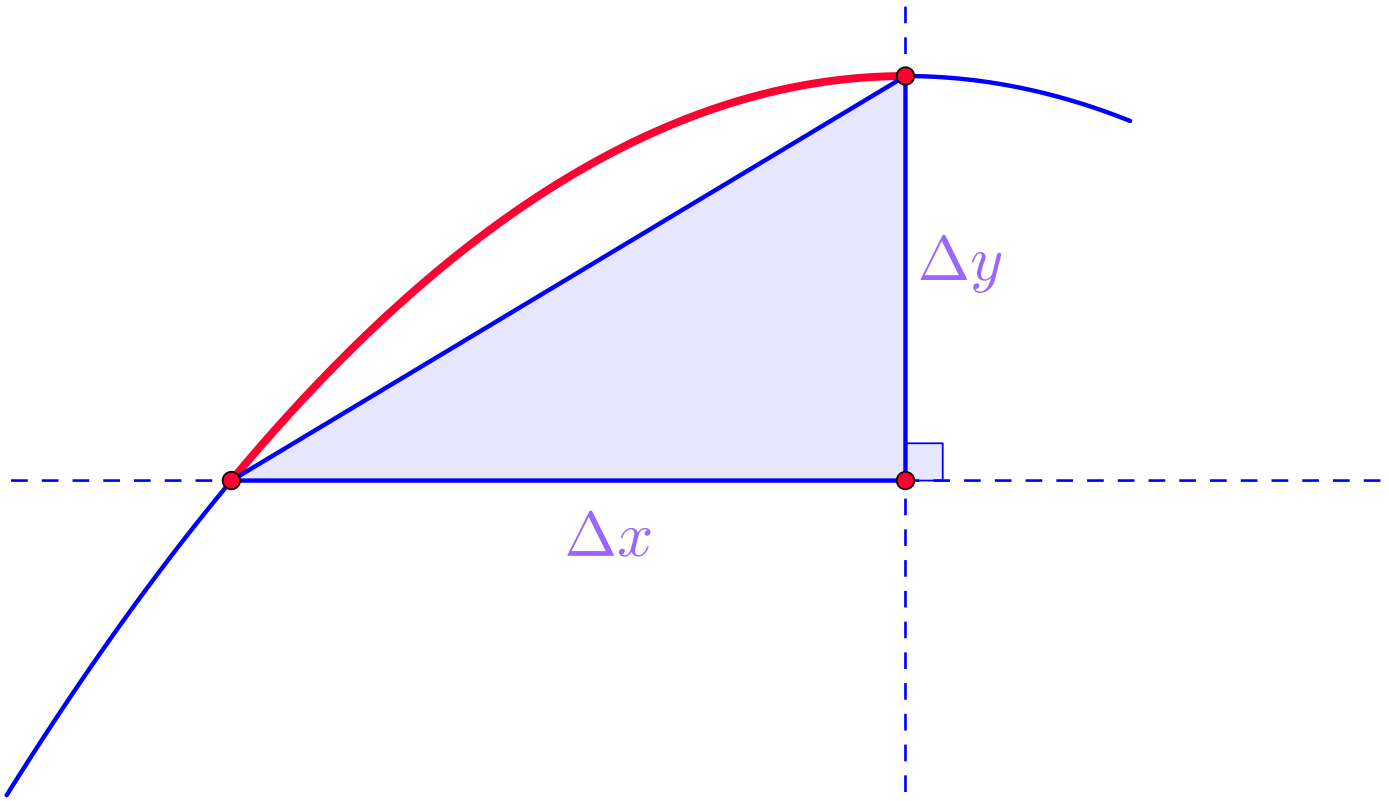

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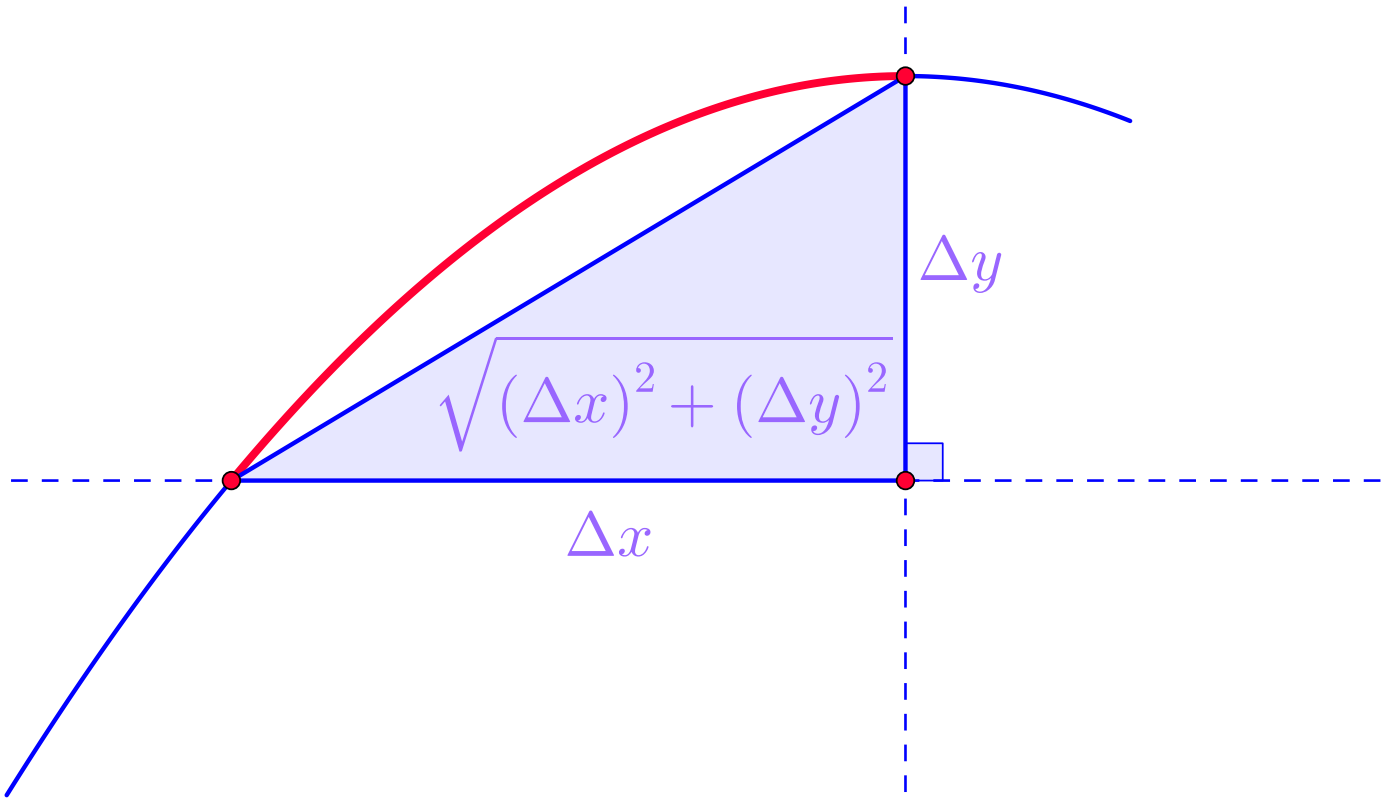

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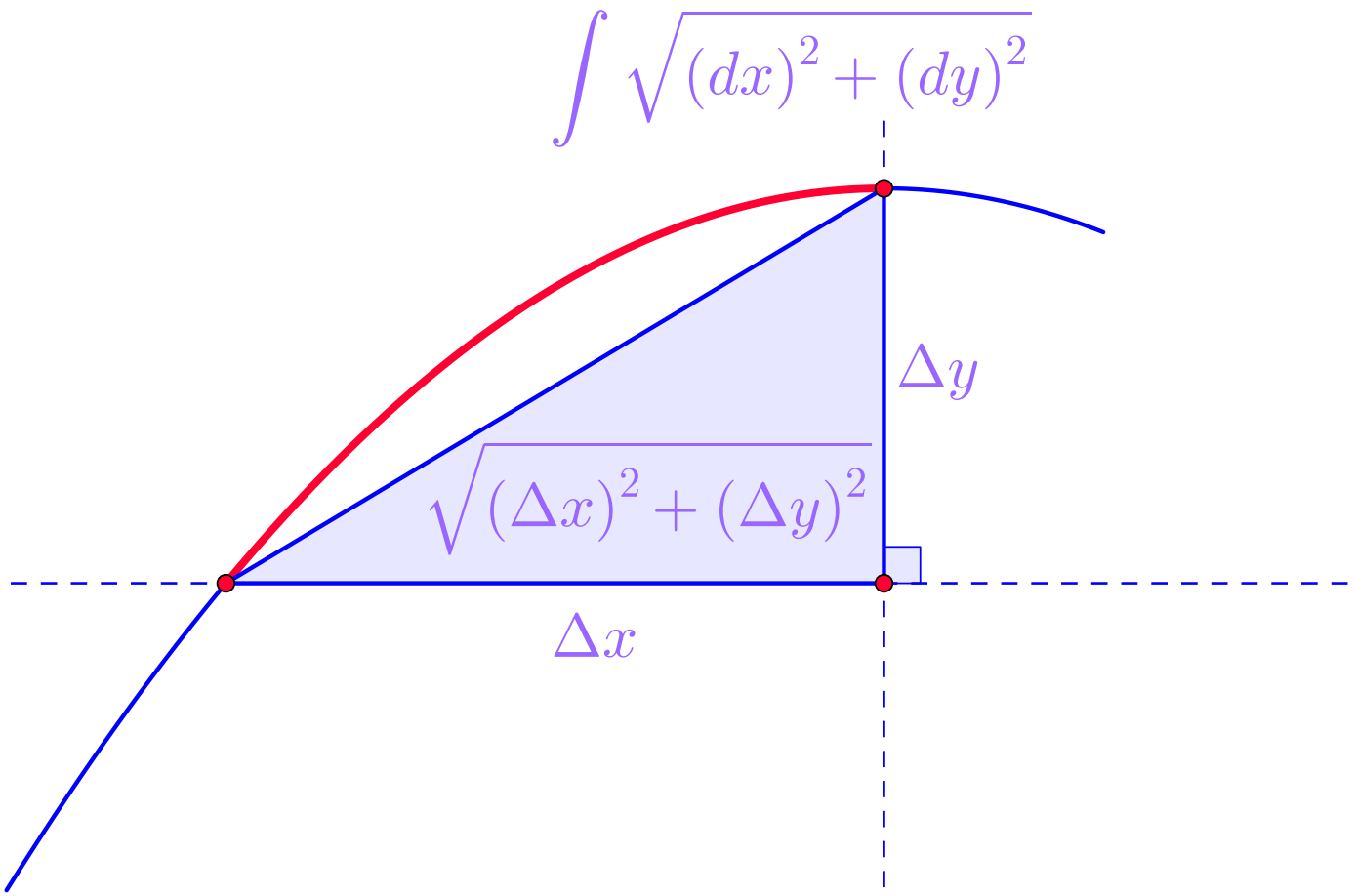
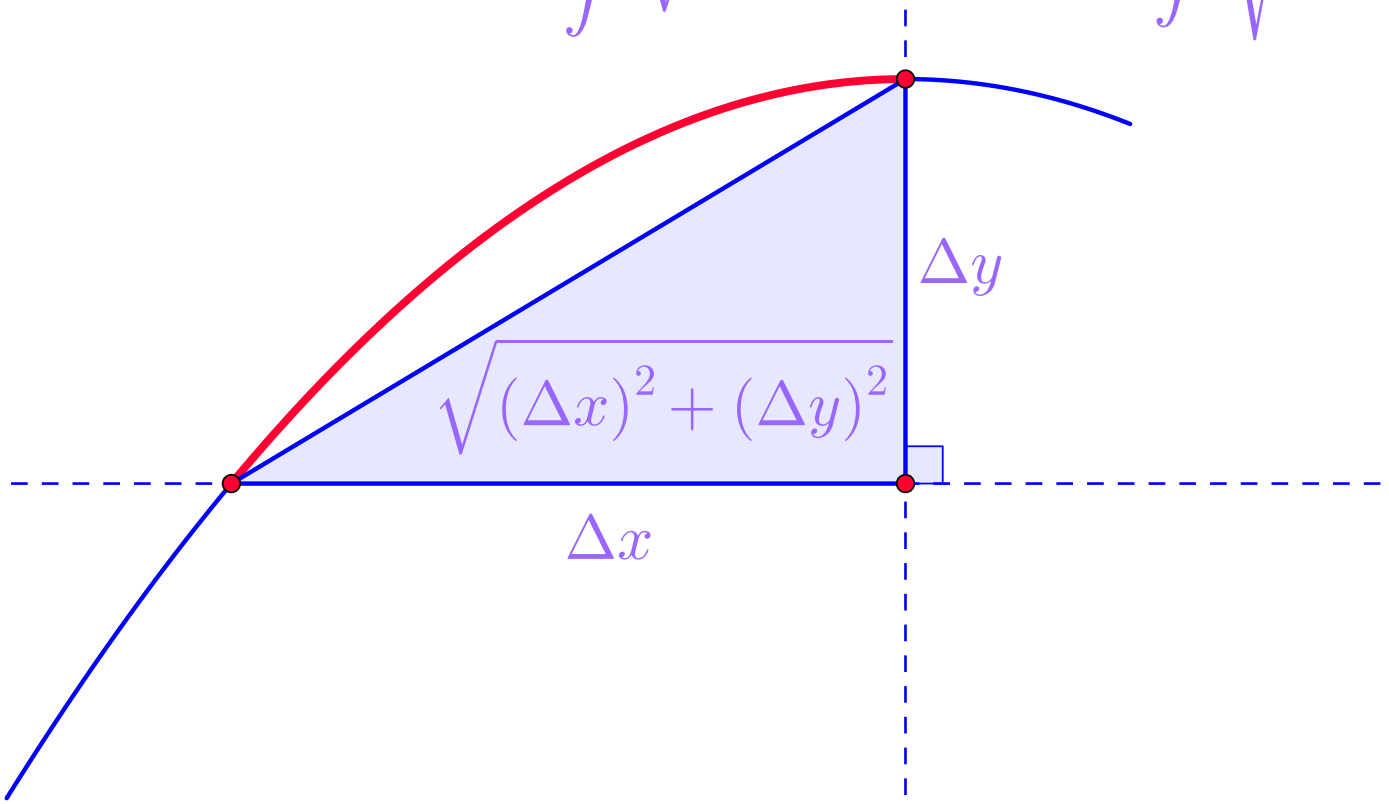


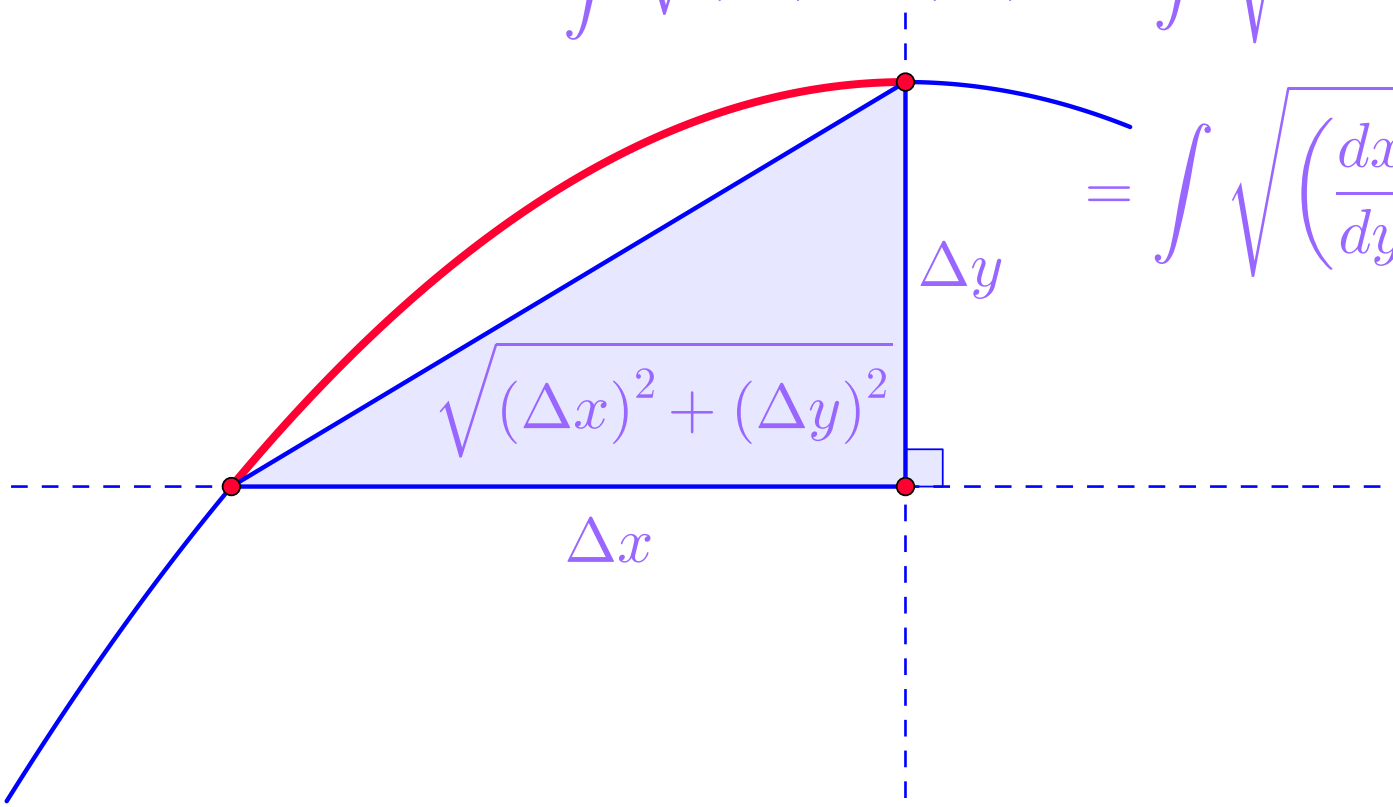
$$\int \sqrt{(dx)^2 + (dy)^2} = \int \sqrt{1 + \left(\frac{dy}{dx}\right)^2}\, dx$$



Start End

$$\int \sqrt{(dx)^2 + (dy)^2} = \int \sqrt{1 + \left(\frac{dy}{dx}\right)^2}\, dx$$

$$= \int \sqrt{\left(\frac{dx}{dy}\right)^2 + 1}\, dy$$



Github:
https://min7014.github.io/math20240303001.html

Click or paste URL into the URL search bar,
and you can see a picture moving.