

## Convex Relaxation

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## Problem 1

Suppose we have three points in a  $1m \times 2m$  rectangle. Please numerically determine the maximum possible perimeter of a triangle formulated by these three points.

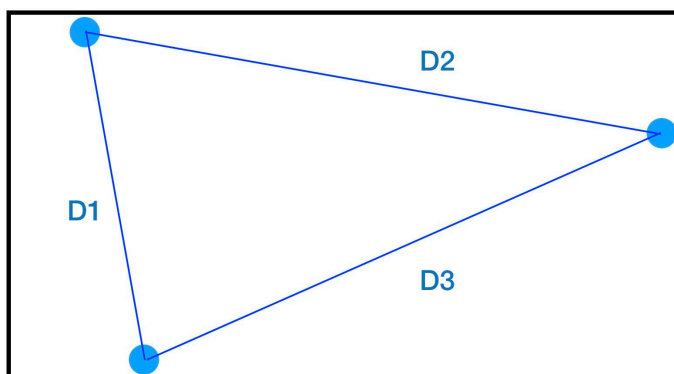


Figure 1: Three points in a rectangle.

## References