

#### **OPTIMIZATION**

#### MASTER IN FUNDAMENTAL PRINCIPLES OF DATA SCIENCE

# OPTIMIZATION PROBLEM 1

SMALLEST AREA PROBLEM



#### Author

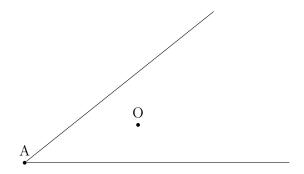
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ACADEMIC YEAR 2021-2022

## 1 Problem description

Given an angle with vertex A and a point O in its interior. Pass a line BC through the point O that cuts off from the angle a triangle of minimal area.



### 2 Solution