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**The problem can be submitted until March 1, 12 :00 noon, either at the exercise session or into the box in front of MA C1 563.**

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**Student(s)<sup>1</sup> :**

**Question 1 :** *The question is worth 5 points.*

0  1  2  3  4  5

*Reserved for the corrector*

Let  $P = \{x \in \mathbb{R}^n : Ax \leq b\}$  be a bounded, non-empty set. Formulate a linear program that computes the radius of the largest ball that can be inscribed into  $P$ .

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1. You are allowed to submit your solutions in groups of at most three students.