

# Indian Institute of Science

Linear and non-linear programming-1

Instructor: Shayan Srinivasa Garani

TA: Prayag Gowgi

Final exam, Spring 2018

Late submission policy: Points scored = Correct points scored  $\times e^{-d}$ ,  $d = \#$  days late

**Assigned date:** April. 27<sup>th</sup> 2018

**Due date:** May. 9<sup>th</sup> 2018 in class

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Note:

- There are 5 problems and the total number of points is 100.
  - Book: Linear and Nonlinear Programming by David Luenberger and Yinyu Ye.
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Solve the following problems:

- (a) Chapter 3: problem # 14.
- (b) Chapter 4: problem # 9.
- (c) Chapter 5: problem # 3 and 5.
- (d) Chapter 6: problem # 7.