

Prerequisites 2014/15

Linear programming

M.T. Vespucci

- Basic concepts of vectors, matrices and matrices partitioned in blocks
- Operations on vectors, matrices and matrices partitioned in blocks
- Linear combinations of vectors; set of linearly independent vectors
- Nonsingular matrix
- Inverse matrix
- Orthogonal matrix

Discrete optimization and algorithms

M.G. Speranza

- Linear programming
- Concept of algorithm
- Concept of data structure
- Basic elements of any computer programming language