

DM201: Graph algorithms with applications — Weekly note 10

Handout material in week 17:

- Hand written notes on the primal dual algorithm (12 pages)
- Chapter 5 “The primal-dual algorithm” from Papadimitriou and Steiglitz: Combinatorial Optimization, Prentice Hall, 1982.

Stuf covered in week 17:

- BG section 3.12 and Papadimitriou Chapter 5
- Jungnickel 14.5-14.6
- Minimum cost branchings (pages from BG 2nd edition, available on homepage)

Week 18: No lectures as I am away. Instead you should read Chapter 9 in (J) on colorings and 10.2 in BG on color-coding. We will not cover Chapter 9 in (J) at the lectures.

May 6:

- Exercises 3.55 and 3.56 in BG
- Exercises 3.81, 3.82, 3.83 in BG
- If there is time : BG section 10.2.

May 8: BG sections 8.6-8.8.