

## DM817 – Fall 2022– Weekly Note 7

### Stuff covered in Week 45:

- Ahuja 9.11 [Video Lecture 21]
- Ahuja 10.2 [Video Lecture 22]

### Lecture plan for Week 46:

- BJG 7.3 on submodularity and Menger's theorem [Video Lecture 23]
- BJG 7.5-7.6 [Video Lecture 24]

### Exercises for week 46

- BJG 3.56.
- BJG 7.27
- Ahuja 10.6, 10.9 and 10.25 Note that in the last exercise you must assume that every  $(s, t)$ -path has cost strictly larger than zero.
- Exam 2018 Part A Problem (b)+c and Problem 5.