

CPS 130: Homework V (**Due November 14**)

1 Minimum spanning trees

1. [5 points] Exercise 23.1-5 of CLRS (page 566).
2. [5 points] Exercise 23.1-8 of CLRS (page 567).
3. [5 points] Exercise 23.1-9 of CLRS (page 567).
4. [10 points] Problem 23-1 of CLRS (page 575).

2 Single source shortest path algorithms

1. [18 points] Problem 24-4 of CLRS (page 615).

3 All-pairs Shortest paths

1. [12 points] Problem 25-1 of CLRS (page 641).

4 Network flow

1. [10 points] Problem 26-2 of CLRS (page 692).