

PROBLEM SET 5

*Assigned: March 23, 2018**Due: April 6, 2018*

Always provide explanations and show as much work as possible. Designing algorithms often involves some creativity, so start early and work consistently. If you are stuck on a problem, move on and come back to it. If you get stuck again, discuss it with your classmates and/or come see me in office hours.

1. TADM 5-1.
2. TADM 5-2.
3. TADM 5-4.
4. TADM 5-5.
5. TADM 5-9.
6. TADM 5-13 (a),(b).
7. TADM 5-15. You don't really need to give a full algorithm, since giving the reduction gives the algorithm. The problem you should reduce to occurs in chapter 5.
8. TADM 5-18.
9. TADM 5-23.
10. TADM 5-24.