

MAT 344F
Challenge Set #5

The following is a selection of problems that you will find useful to test your understanding of the recurrence relation, and inclusion-exclusion concepts we have been studying. Try to do as many as you can; there are more in the text that are also worthwhile, and you are encouraged to select additional ones for yourself. Your efforts will be rewarded!

1. Tucker, p. 304ff #1, 3, 9, 11, 17, 19
2. Tucker, p. 313ff #1, 3, 6, 7, 8, 11, 15
3. Tucker, p. 322ff #7, 11, 13, 14, 19, 21, 22, 27