

MAT 344

CHALLENGE SET #4

The following is a selection of problems that you will find useful to test your understanding of the generating function and recurrence relation 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. Practice is the key to recognition!

1. Tucker, p.270ff, #3,7,9,11,15,17,19
2. Tucker, p.275ff, #1(c,e), 2(a,b,d,e), 3,5,6,7
3. Tucker, p.288ff, #5,9,15,17,20,21,24,27,28,31,32,36,41,47
4. Tucker, p.300ff, #3,7,9,10,11