

2007 Spring CS204 Homework #5

1. Exercise 4.1.6

2. Exercise 4.2.4

3. Exercise 4.3.14

4. Show that for all $n \geq 1$, $S_n = 1^3 + 3^3 + \dots + (2n-1)^3 = 2n^4 - n^2$.

5. Exercise 4.4.4

6. Exercise 4.4.28