HOMEWORK 8 (18.314, FALL 2006)

1. Problem 10.2.3 (p. 306)

2. Problem 10.2.5 (p. 307)

3. Problem 10.2.9 (p. 307)

4. Problem 10.3.2 (p. 315)

5. Problem 10.3.10 (p. 315)

6. Problem 10.3.13 a,b (p. 316)

7. Problem 10.3.13 c (p. 316)

8. Denote by a_n the number of sequences $(c_1 \leq c_2 \geq c_3 \leq c_4 \geq c_5 \leq \dots c_n)$, where $c_i \in \{0, 1\}$. Compute a_n.

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This Homework is due Wednesday November 22 at 2:05 pm.

Typeset by $\mathcal{AMS}$-TEX