

**Topics List**  
**Seventh edition, Discrete Mathematics and its Applications, Rosen.**

1. Logic and Proof.

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- 2) section 1.8, exercises 25 and 41, pp. 108-109.

2. Number theory.

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- 2) section 4.3, exercises 23, 31, 33, and 39, pp. 272-273.
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3. Mathematical induction.

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4. Counting.

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5. Probability.

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6. Recurrences.

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