

# Assignment #3 Due Wednesday 10/4

Exam 1 Wednesday 10/4

Covering

- ① Basic enumeration
- ② Binomial Coefficients
- ③ Inclusion/Exclusion + Pigeonhole Principle.

Assignments 1, 2, 3

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Exam questions will be similar to HW problems or almost exactly like examples done in class.

Lattice paths on grids covered on 9/4 will be one topic.

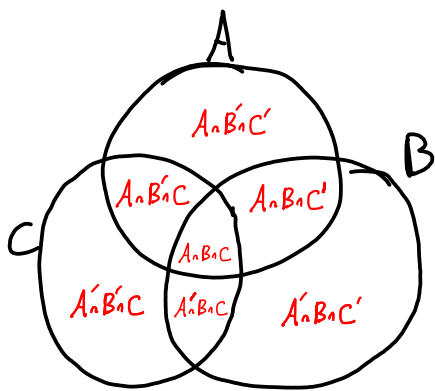
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## Comments for assignment #3.

① similar to the example in lecture notes using  $\{1, 2, 3, 4, 5, 6, 7\}$ .

② Similar to the example about studying for an exam.

③



When you try to fill in the diagram with the number of elements in the 7 mutually exclusive sets, one set will be forced to have a negative number of elements, which is impossible.