



## Query Optimization

10. Exercise

Due 06.02.2017, 9 AM

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### Exercise 1

This exercise is the preparation for our next chapter on counting the number of accesses to disk. Formally prove the following:

- $\binom{n}{k} = \binom{n}{n-k}$
- $\binom{n}{k} = \binom{n-1}{k} + \binom{n-1}{k-1}$