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Complexity of Boolean functions
SS 2018
Homework 2
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Exercise 1:

We have shown that $C_{\Omega_0}(f^{(t)}_{decode}) \leq 2^t + (2t-2)2^{\frac{t}{2}}$. What is the best upper bound which you can obtain?

Exercise 2:

a) Complete Case $n = 3$ in the proof of Theorem 2.2 of the lecture.

b) Prove Lemma 2.1 of the lecture.

Exercise 3:

Give some examples of symmetric functions.