This thesis is based on an article C. Boura and A. Canteaut, Another View of the Division Property, which is focused on division property of sets from $\mathbb{F}_2^n$. In this thesis we introduce important definitions and propositions about boolean function, polynomials and Reed-Muller codes at the beginning. Then we define parity set of a set from $\mathbb{F}_2^n$, which helps us to simplify the division property. We also show how sets, which satisfy division property of certain order, look like. From that we could follow how the division property propagate through the substitution-permutation network.