

We saw the definitions of linear function, linear inequality, linear equation, linear constraint, objective function, optimal solution and Linear Program from the first chapter of Chvatal. I noted that an Integer Linear Program is obtained from a Linear Program by adding the constraint that all variables are integer valued.

We went through the formulation of the diet problem example from Chvatal Chapter 1.

We formulated sorting as an integer linear program. You are not responsible for this formulation, do not worry if it was not completely clear to you.

If you like, you can read Chapter 1 of Chvatal.