

DM545/DM871
Linear and Integer Programming

Lecture 14
More on Modeling

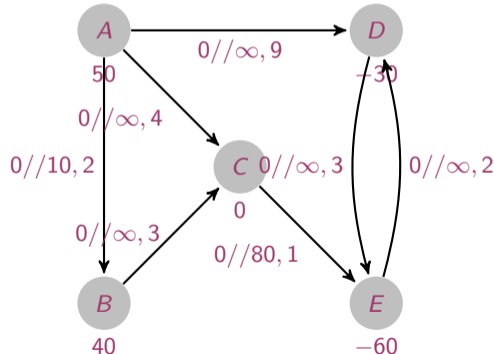
Marco Chiarandini

Department of Mathematics & Computer Science
University of Southern Denmark

1. MILP in Spreadsheet

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A company produces the same product at two different factories (*A* and *B*) and then the product must be shipped to two warehouses, where either factory can supply either warehouse. The distribution network is shown below where *C* is a distribution center. There are costs and bounds on the amount of product to ship through the connections



What problem is it? Transshipment problem (ie, min cost flow)

See file mincost.xlsx

If Solver is not there, click **Tools**, select **Add-Ins**, **Solver Add-in** and OK. Then **Tools**, **Solve**

What if $\sum b(v) \neq 0$?