Formal Methods in Software Development, WS 2018. Project (due January 13th)

Consider the virtual machine placement example. We have three virtual machines (VMs) which require 100, 50 and 15 GB hard disk respectively. There are three servers with capabilities 100, 75 and 200 GB in that order. Find out a way to place VMs into servers in order to minimize the operation cost (the servers have fixed daily costs 10, 5 and 20 USD respectively).

Requirements:

1. You should use either CPLEX (`https://www.ibm.com/analytics/cplex-optimizer`) or Gurobi (`http://www.gurobi.com`) to formalize and solve the problem.

2. Team of 2 students are preferred.

3. Solution should be sent by email by January 13th.

4. Team which submit the solution within the deadline should also come and present their solution in the week January 14th-19th. Drop me an email for this matter.