

Problem of the Week

Problem D

More Coal Please

Santa fills the elf-shoes of the good elves with candy and other good things. However, the elf-shoes of the naughty elves generally receive some coal as well.

Three of Santa's elves, the triplets, Zeta, Eta and Theta, have been very naughty this year. Santa is giving them a total of ten lumps of coal between them in their elf-shoes. Each of them must get at least one lump of coal.



ZETA



ETA



THETA

In how many different ways can Santa distribute the coal to Zeta, Eta and Theta?

