

Beginner Zookeeper

You are the zookeeper of the new zoo. This zoo is special though. Animals within the same family do not get along with each other; only unlike animals enjoy each other's company. The animals you have are from 3 different families: Ungulate, Feline, and Ursidae. Each pen contains an animal from each family. Your task is to arrange the pens in a four by four square so that there is no repetition of an animal in any row or column. For example, you can't have two giraffes in the same row or column.

Your animals:

Ungulates: 4 giraffes, 4 zebras, 4 bison, 4 camels

Felines: 4 lions, 4 cheetahs, 4 lynxes, 4 pumas

Ursidae (Bears): 4 polar, 4 black, 4 brown, 4 panda

When you have solved this problem, go to the Dean's Office on the third floor of Jordan Hall to present your solution to the Master Teacher. Be prepared to justify your solution.