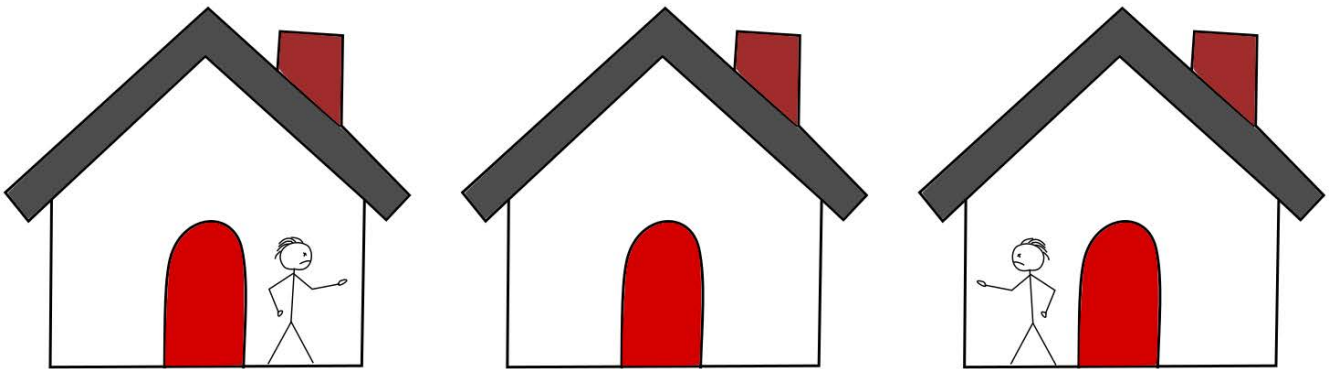


Puzzle of the Week

Bad Neighbors

THE CHALLENGE: There are a group of people who cannot live next door to each other in houses along a street. If there are 10 houses, in how many ways can some of these people live in these houses so that no two neighboring houses have these people in them? Count having all the houses empty as one of the possibilities.



EXPLORATION: How many ways are there if there are 15 houses? Find a pattern that will help you quickly calculate how many different ways for larger numbers of houses.