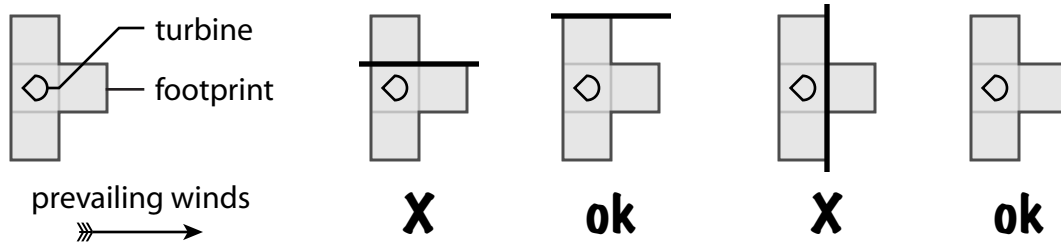


On each piece of land for a planned wind farm, you need to determine how to place wind turbines in order to achieve the best energy output.

Each wind turbine will face into the prevailing winds. Each turbine needs space to the left, right, and behind, forming a T-shaped footprint, to operate. The footprint for each wind turbine must fit completely onto the piece of land.



According to the specific topology of the land, some places (designated in blue) have more consistent winds than the surrounding area. Wind turbines placed on these squares will produce 1.5 energy units, compared to the typical 1 energy unit by those placed on other squares. Note that only the wind turbine needs to be placed on a blue square, not the entire T-shaped operating footprint.

Instead of simply placing the maximum number of wind turbines on a piece of land, strategically placing fewer turbines in windier places may result in more electricity being generated. If two layouts produce the same amount of electricity, the better solution uses fewer wind turbines. Can you achieve the best energy output for each piece of land?

