
Problem of the Week — October 15, 2009

As I look out from my office window, I see that the science quad parking lot has n spaces. Suppose that all of us Kenyon drivers have either a compact car or a monster truck. A compact car takes up one parking space in the lot, and a monster truck requires two spaces. How many ways are there to completely fill (with none empty) the n spaces with these two types of vehicles? Naturally you must prove your answer.

Solutions accepted until 4 pm 10/23/09

You may submit complete solutions to Brian Jones or Marie Snipes either via email or hard copy; however, if you submit a hard copy, it must have a time-stamp (i.e. either electronic proof of time printed or a faculty signature verifying the time submitted.)