

Problem of the Block - Block 6



Going Up!

In an apartment building there are seven elevators, each stopping at no more than six floors. If it is possible to go from any one floor to any other floor without switching elevators, what is the maximum number of floors in the building?

Turn in solutions to Dr. Bean in Law 206E or by email at sbean@cornellcollege.edu by Wednesday, March 7. Partial solutions will receive credit (and are encouraged!). Submitting solutions for the Problem of the Block can earn culture points toward the major in mathematics. For more information about the Problem of the Block, including the current leader board for the yearly competition, and to print off your own copy visit <http://www.cornellcollege.edu/mathematics/problem-of-the-block/index.shtml>.