Sum of squares

january 2014

Solving strategy:

* filling the last column based on the highest possible number (i.e. 8 for number 4 and 0 for number 5)
* filling each row with the highest-sum number starting from the top: I can probably change the last numbers to make the whole number divisible by the number from 6 to 9
* at the last two rows, start reasoning on the best number for each column as well (last 5 and last column are always good only with 0 so they are not a problem). Basically see which combinations seem good.
* I know that this is a greedy approach and it isn’t the optimal solution, but I also knew that the best solution couldn’t be far off since it’s for sure <9\*24=216

Solution:

200,

99999

99998

98997

99696

67890

Time:

~ 10 minutes

best solution: 205