

Danville Street Maintenance
400 W. Roush Street
Danville, KE, 44444

May 1, 2009

Discrete Mathematicians
600 W. Walnut Street
Danville, KY 40244

Dear Discrete Mathematicians:

Good morning. I received your names from a friend of mine, O. Tinoaton with the Danville Programming Company. I recently spoke with him about a problem I am having. He told me that your mathematical cleverness and aptitude could help.

As you know, the recent ice storm caused great damage to the streets of Danville. Now that the streets are repaved, and the potholes are filled, we need to paint the streets. My question is, when can the centerlines of the streets in a city be painted without traveling a street more than once? Because we will be repaving the streets late at night when there is no traffic on the roads, we will not be restricted by only traveling in the direction of a one-way street.

I would be very grateful if you would submit the full details on your efforts in a typed response so that, in the future, I will hopefully be able to solve similar problems. I look forward to hearing from you.

Yours Sincerely,

Hearth Porgy
Danville Street Maintenance