**Which Program Would You Pick?**

You work for the Centers for Disease Control and there is an outbreak of deadly disease called “the Asian Flu” in a town of six hundred people. All six hundred people in the town are expected to die if you do nothing. Someone has come up with two different programs designed to fight the disease:

* Blue program: Four hundred people in the town will die.
* Purple program: There is a 1/3 probability that nobody will die and a 2/3 probability that six hundred people will die.

Would you pick the blue program or the purple program?