**Black and White Hats**

There are 10 very smart prisoners in jail. To get rid of them, the warden comes up with the following test. He will put a hat, either black or white, on each of the prisoners. There will be at least one hat of each color, and the prisoners will be informed about this fact. They will be able to see everyone else’s hat but their own; there will be no communication of any kind among the prisoners. The warden will line up the prisoners every 5 minutes starting at 12:05 pm and ending at 12:55 pm. To pass the test all prisoners with a black hat and only those prisoners will have to step forward during the same line up. If they do, all prisoners will be freed.