

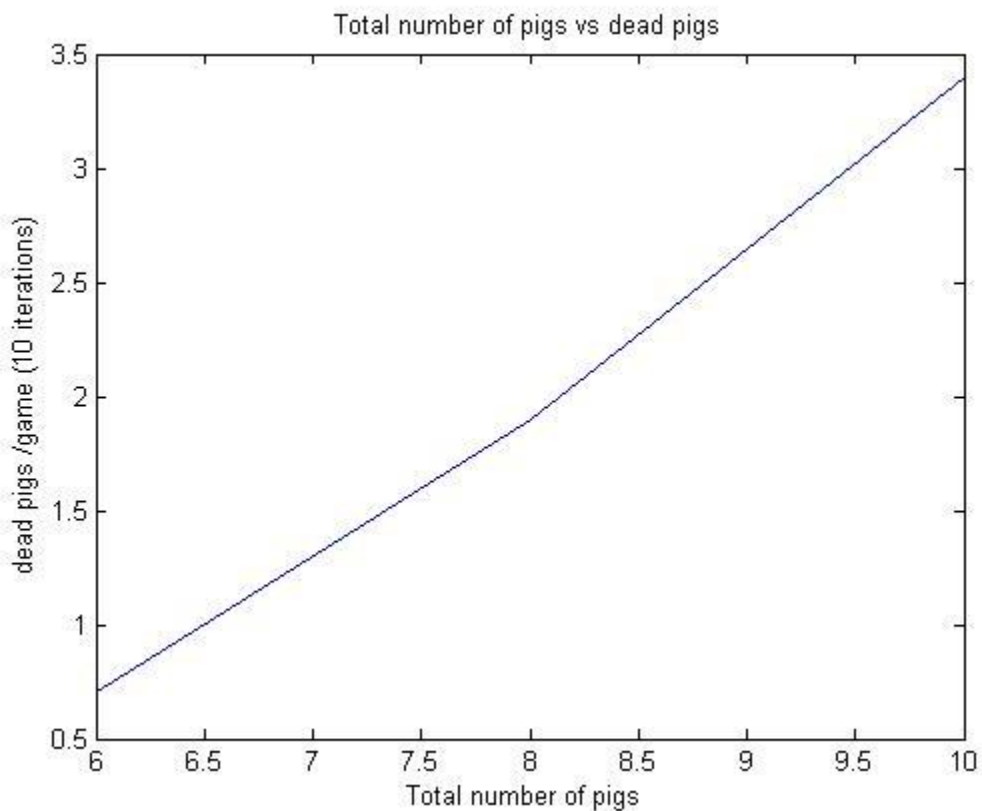
Performance Results

All the tests were conducted for 10 games where each game included 10 iterations .

The parameters considered were

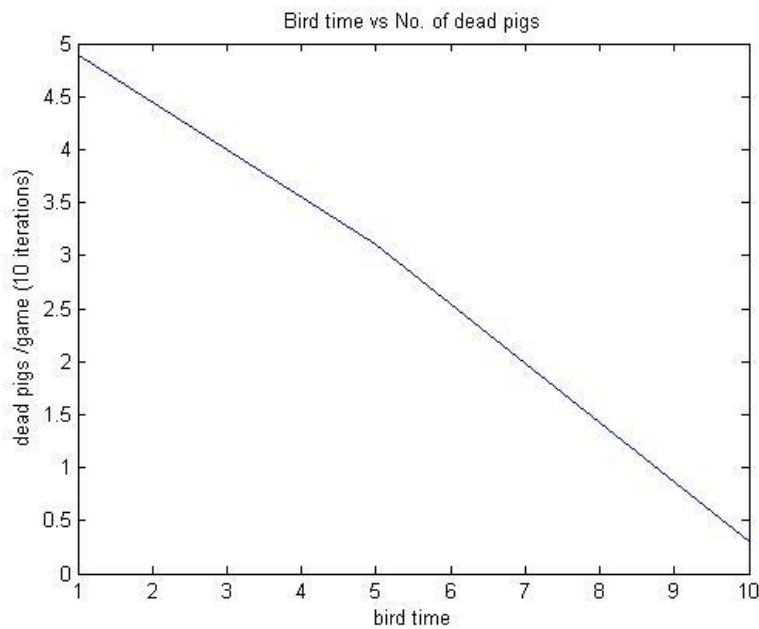
1. No. of pigs
2. bird time
- 3,. Probability of waking up or sleeping

For bird time = 4 , grid size = 12 , sleep and wake up probability = 0.5



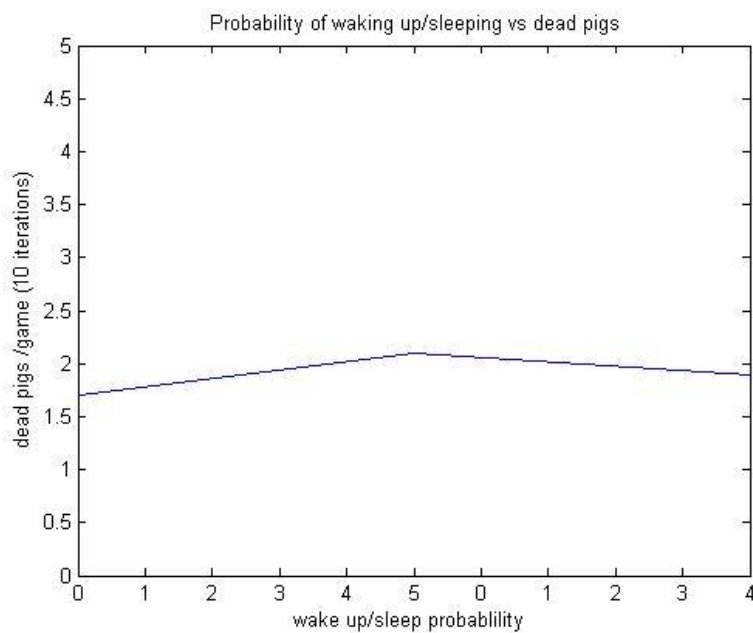
This shows that as the number of pigs increase the number of pigs that can get affected also increases .

For number of pigs = 10 , grid size = 12 , sleep and wake up probability = 0.5



As the bird time increases more are the chances for the pig to escape and hence the average score reduces with the increase in bird's flight time .

For number of pigs = 8 , grid size = 12 , bird time = 4



The image shows that the probability has no effect on the number of dead pigs , since even if a coordinator is sleeping the other coordinator takes care