

Problem Set 137 # 3

The rabbit population in a certain environment in which the rabbit carrying capacity is 1 million rabbits grows according to a logistic growth model. This means that the rabbit population is proportional to both the current rabbit population and the carrying capacity minus the rabbit population. On January 1, 1993 there were 1200 rabbits, and on January 1, 1994 there were 4800 rabbits. How many rabbits will there be on January 1, 2007?