

QUIZ 3

$$e^x \approx \sum_{k=0}^N \frac{x^k}{k!}$$
$$e^x \approx \sum_{k=0}^p \frac{x^k}{k!}$$

Turkey is located between 36-42° in latitude and between 26-45° in longitude. The annual probability of an astroid (with a radius of 50 meters) impact for the whole earth is 0.2% and the probability is equal for the all points on the earth. Latitude values change between [-90,90] and longitude values change between [-180,180] (all real values, not integers). Start the simulation from the year 2014 and stop when an astroid impact occurs in Turkey. Print the final year and the latitude and longitude values on the screen.