

Handwritten text at the top of the page, possibly a title or page number, including the word "Mathematics".









Problems























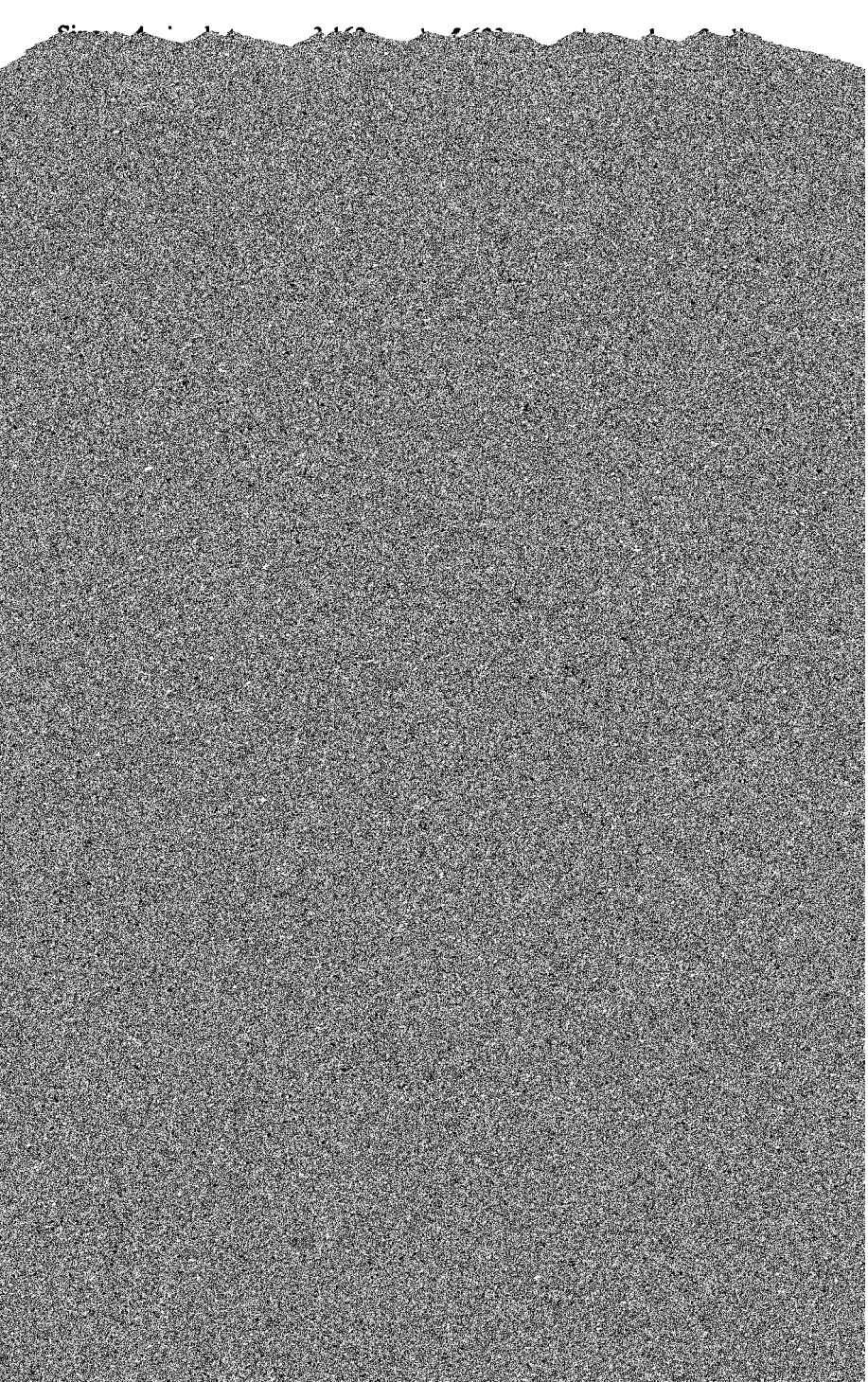






























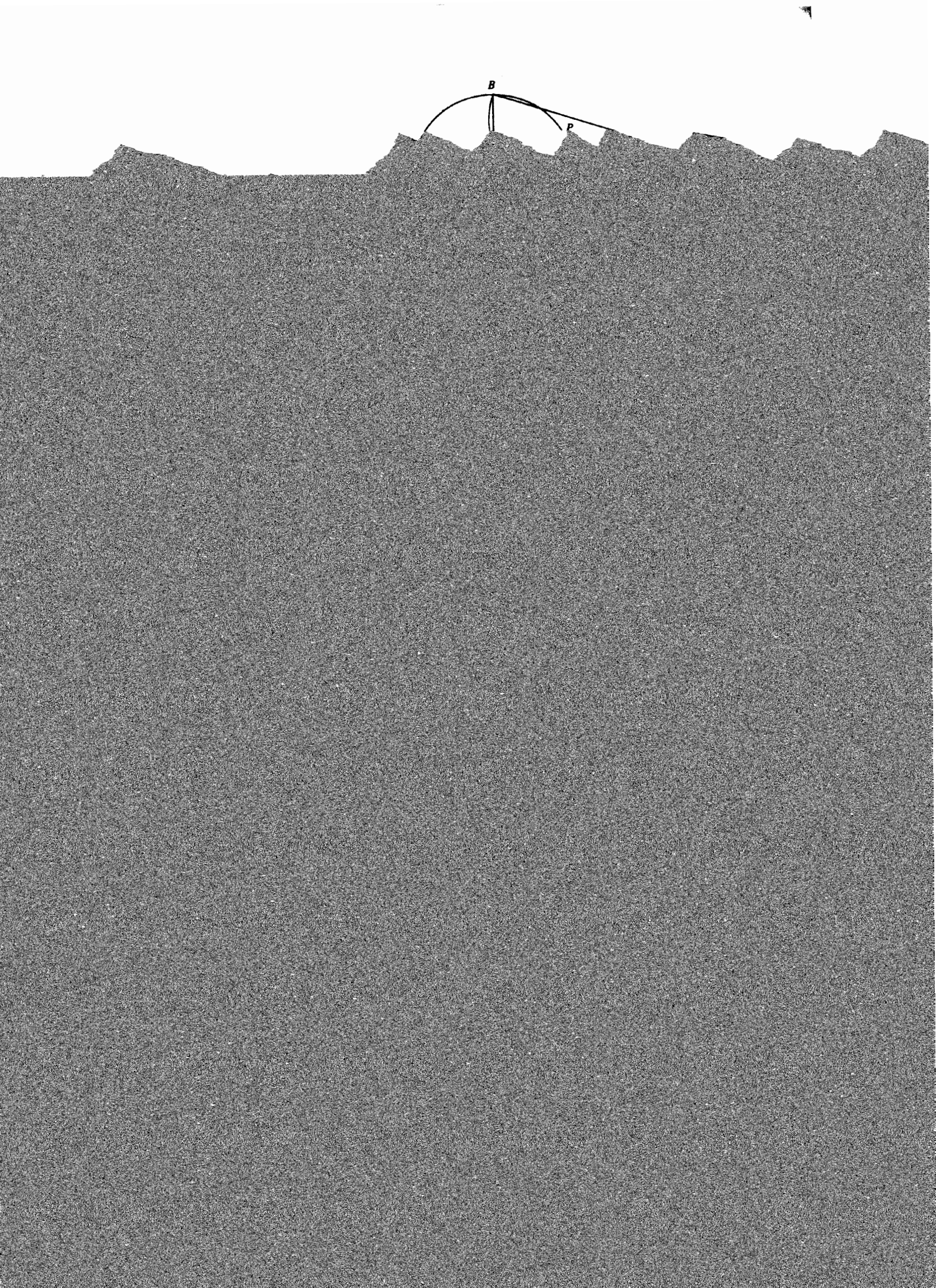












9. Show that  $000$  is a stable state with a probability of  $\frac{1}{3}$ .



2. As a crude first approximation to the graph sketch the curve

