【Buffon's Needle】
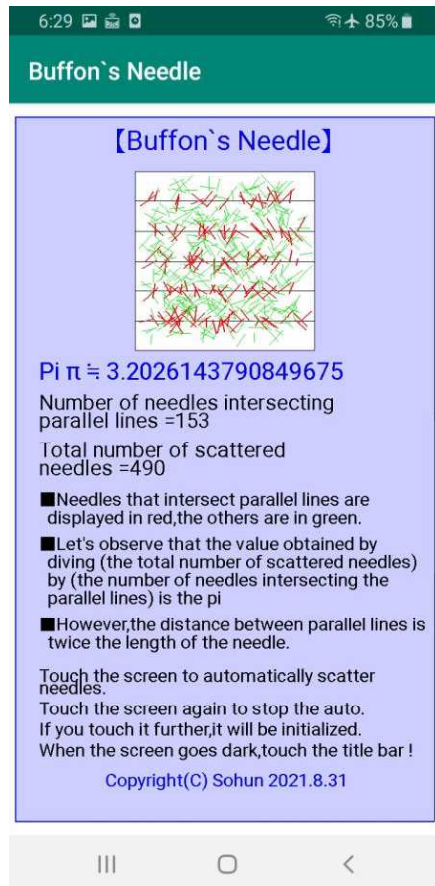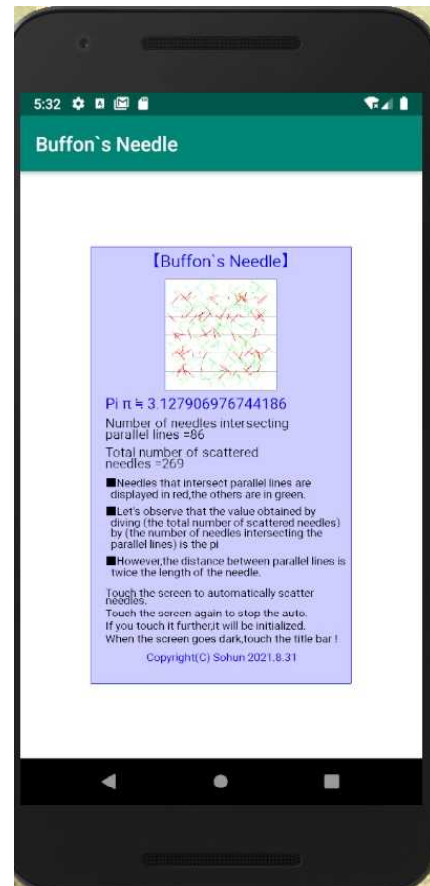
※　Sctter needles on parallel lines and observe how the approximate value of pi can be obtained from the ratio of needles that intersect the parallel lines.

pi ＝（Total number of scattered needles）÷（Number of needles intersecting parallel lines）

【Screenshot】
Galaxy S9

【Emulator image】
Android Studio Version 3.5.1

［Outline］

Scatter the needles to find the approxinate value of pi.

Draw parallel lines at equal intervals and scatter needles randomly over them.

The approximate value of pi can be obtained from the ratio of the number of scattered needles to the number of needles that intersected the parallel lines.

Let's explain the reason mathematically.