

## Procedure for Identification of Loops in Kambi/SUZHI Kolam Pattern

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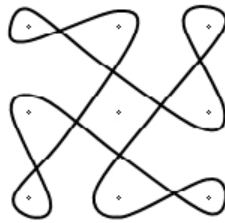
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In the art form of kolam, dots called pulli are arranged in **rhombic, square, triangular, or free shapes**, and a single, uninterrupted linear or curvilinear line, called the kambi, intertwine the dots. While there are no written or verbally stated rules, Yanagisawa and Nagata have deduced some of the basic rules of **pulli and kambi kolam from examining the designs:**

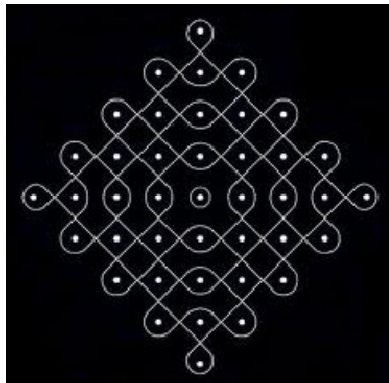
- (1) **Loop drawing-lines, and never trace a line through the same route.**
- (2) **The drawing is completed when all points are enclosed by a drawing-line.**
- (3) **Straight lines are drawn along the dual grid inclined at an angle of 45 degrees.**
- (4) **Arcs are drawn surrounding the points.**
- (5) **Smooth drawing**

Single Stroke kolam also called as “**ANTHATHI Kolam**” in Tamil Nadu. The Smooth line starts at a point, covers the dots ( follow the rules of kolam) and end in the same point.



**Fig 1. Kambi/Suzhi Kolam with smooth line starts at a point covers the dots and end in the same point.**

If the smooth lines starts and ends at same point it is called as **Loop**. If a kolam contains only a single loop it is called **Single Stroke Kolam or Anthathi Kolam**.



**Fig 2. Kambi/Suzhi Kolam with more starting points. If a smooth line starts and ends at same point it forms a loop. In this figure 8 such loops are there.**