
2) To plot points that make up the line with endpoints (x_0, y_0) and (x_n, y_n) using DDA line drawing algorithm.

Case 1: +ve slope Left to Right line

Case 2: +ve slope Right to Left line

Case 3: -ve slope Left to Right line

Case 4: -ve slope Right to Left line

Each case has two subdivisions

(i) $|m| \leq 1$ (ii) $|m| > 1$

Note that all four cases of line drawing must be given as test cases.