

Name \Rightarrow Samee Singh

Section \Rightarrow B

Roll no \Rightarrow 1121123

Program \Rightarrow algorithm.

floodfill(x, y, new col, old)

Step 1 \Rightarrow if x or y is outside the screen, the return.

Step 2 \Rightarrow if color of $\text{copied}(x, y)$ is same as old.

Step 3 \Rightarrow Recursion for.

floodfill(x+1, y, new col, old)

floodfill(x-1, y, new col, old)

floodfill(x, y+1, new col, old)

floodfill(x, y-1, new col, old).

samee.