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Algorithm -

Step 1 - Start

Step 2 - Declare x, y, r, a, b and d as int variablem, where (a, b) are - coordinates of the center

Step 3 - find decision paramenter D = 3 - 2r
∴ r : radius

Step 4 - Put x = 0, y = r

Step 5 - if x >= y
Use eight-way symmetry

Step 6 - if D < 0
then D = D + 4x + 6
x = x + 1

if D ≥ 0
then D = D + 4(x - y) + 10

$n = n + 1$

$y = y - 1$

Step 7 : End.