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Code:

```
A = zeros(100, 100);

% For City Block (Manhattan) Distance
For I = 1:100
    For j = 1:100
        % City Block distance formula
        If abs(Cx - i) + abs(Cy - j) <= Radius
            A(I, j) = 255; % Assign value for City Block distance
        End
    End
End

Figure;
Imshow(A);
Title('City Block Distance');
```