

McCabe's Cyclomatic Complexity

$$V(G) = E - N + 2$$

$$= d + 1$$

$$= r + 1$$

This complexity is the measurement of ~~validity~~ of code designer. $V(G)$ stands for complexity of graph.

E = Edge

N = Node or Vertices

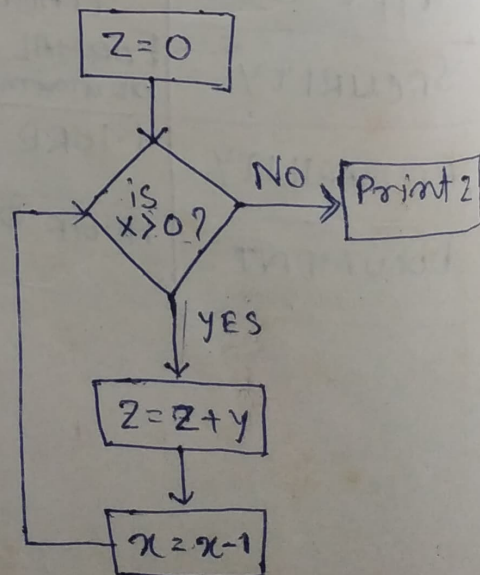
d = decision nodes

r = Close regions/loop.

Prob-1) WACP to generate fibonacci no. till 20 and apply cyclomatic complexity of ~~measurement~~ measurement

Flowchart

$Z = 0$
while $x > 0$
 $Z = Z + y$
 $x = x - 1$
end while,
Print (Z)



$$E = 5$$

$$N = 5$$

$$d = 1$$

$$\delta = 1$$

$$v(G) = E - N + 2$$

$$= 5 - 5 + 2 = 2$$

$$= d + 1 = 1 + 1 = 2$$

$$= \delta + 1 = 1 + 1 = 2$$