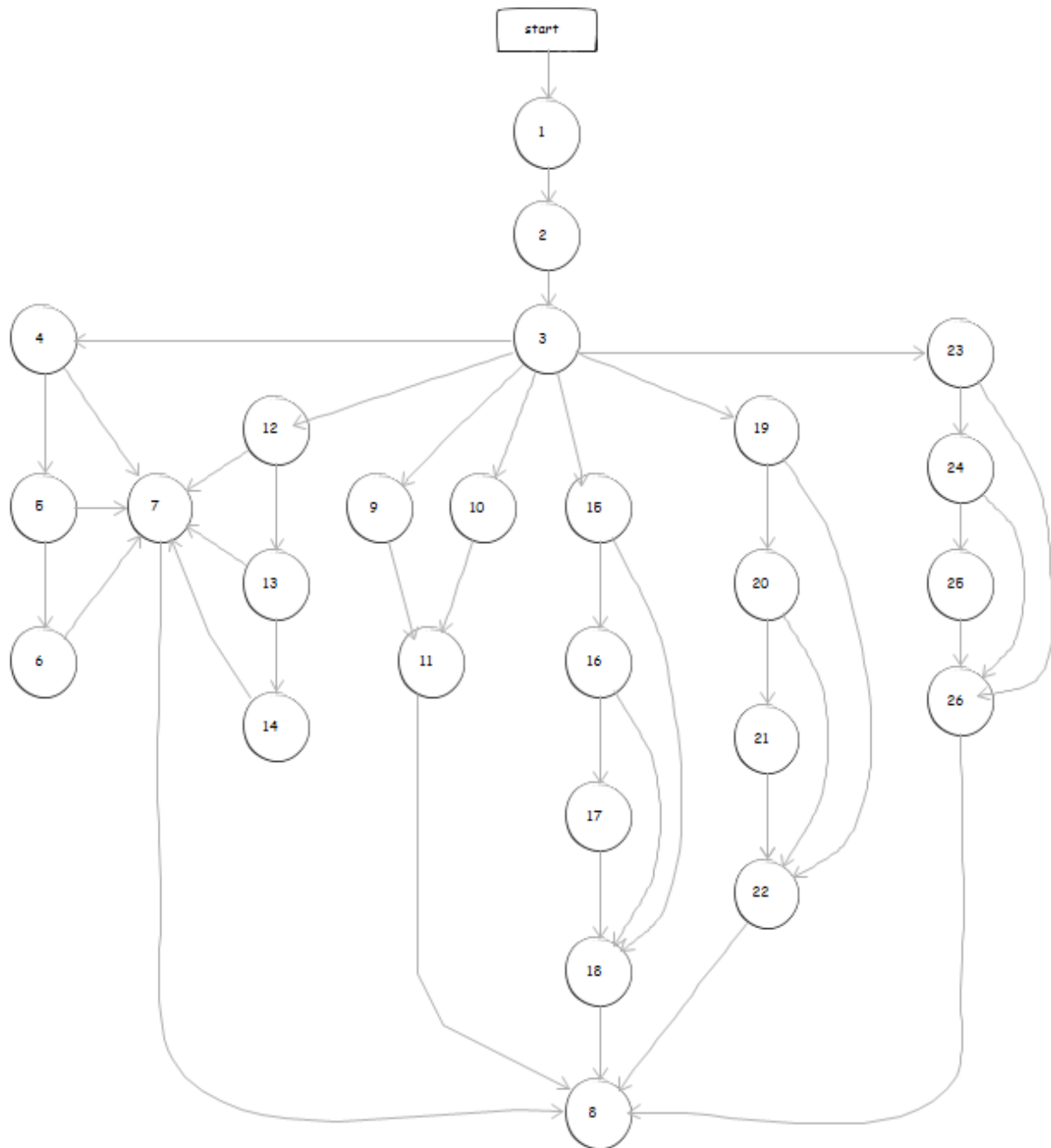


WHITE BOX TESTING

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IFIK-41-03



Software Testing: Perhitungan Cyclomatic Complexity

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

$V(G)$: cyclomatic complexity

E : total jumlah edge

N : total jumlah node

$$\begin{aligned} V(G) &= E - N + 2 \\ &= 41 - 26 + 2 \\ &= 17 \end{aligned}$$

Hasil *independent path* pada contoh di atas dapat dijabarkan sebagai berikut:

- Path 1 : 1 – 2 – 3 – 4 – 7 – 8
- Path 2 : 1 – 2 – 3 – 9 – 11 – 8
- Path 3 : 1 – 2 – 3 – 10 – 11 – 8
- Path 4 : 1 – 2 – 3 – 12 – 7 – 8
- Path 5 : 1 – 2 – 3 – 15 – 18 – 8
- Path 6 : 1 – 2 – 3 – 19 – 22 – 8
- Path 7 : 1 – 2 – 3 – 23 – 26 – 8
- Path 8 : 1 – 2 – 3 – 4 – 5 – 7 – 8
- Path 9 : 1 – 2 – 3 – 12 – 13 – 7 – 8
- Path 10 : 1 – 2 – 3 – 15 – 16 – 18 – 8
- Path 11 : 1 – 2 – 3 – 19 – 20 – 22 – 8
- Path 12 : 1 – 2 – 3 – 23 – 24 – 26 – 8
- Path 13 : 1 – 2 – 3 – 4 – 5 – 6 – 7 – 8
- Path 14 : 1 – 2 – 3 – 12 – 13 – 14 – 7 – 8
- Path 15 : 1 – 2 – 3 – 15 – 16 – 17 – 18 – 8
- Path 16 : 1 – 2 – 3 – 19 – 20 – 21 – 22 – 8
- Path 17 : 1 – 2 – 3 – 23 – 24 – 25 – 26 – 8

