1. **Calculate the cyclomatic complexity…**

Nodes = {Start, 1, 2, 3, 4, 5, 6, 7, 8, 9, End}

N = 11

Edges = {(Start, 1), (1, 2), (1, 3), (2, 5), (3, 4), (3, 5), (4, 5), (5, 6), (5, 9), (6, 7), (6, 8), (7, 5), (8, 5), (9, End)}

E = 14

p = 1

V(G) = E – N + 2p = 14 – 11 + 2(1) = 5

**b) Calculate the cyclomatic complexity using the structured programming decision count rule…**

Decision = {3, 8, 11, 13} = 4

V(G) = number of decisions + 1 for a structured program = 4 + 1 = 5

