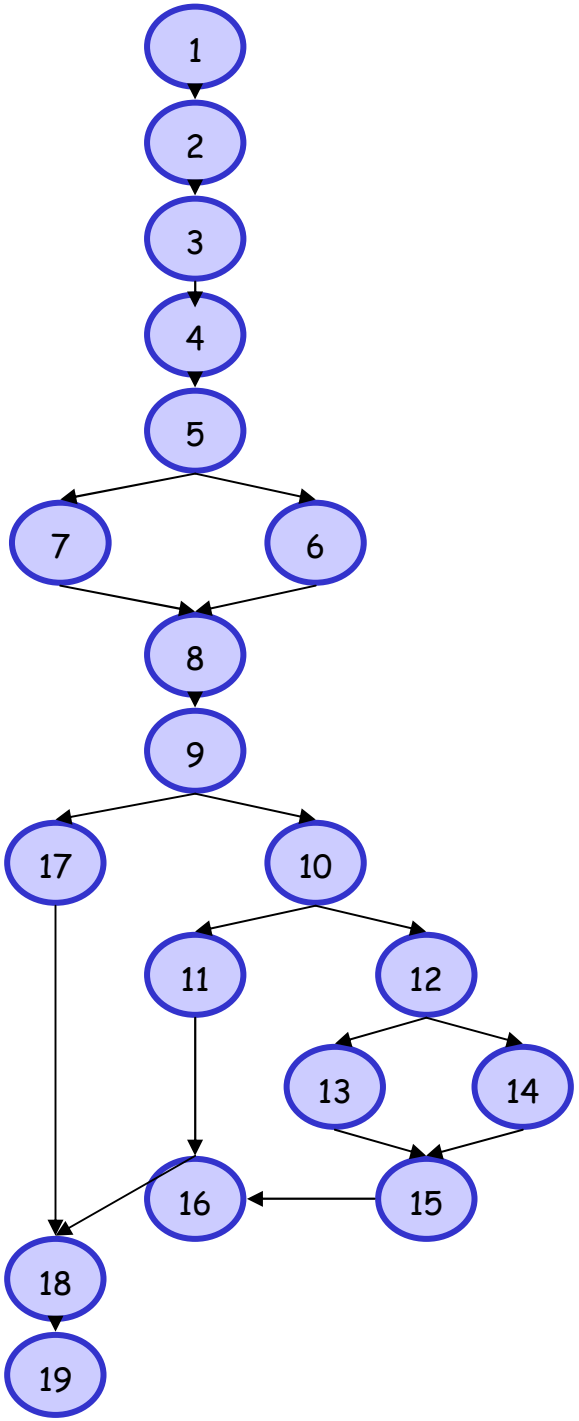
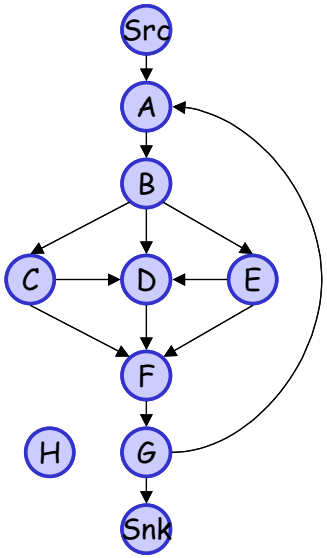
Control Flow Graph (CFG)

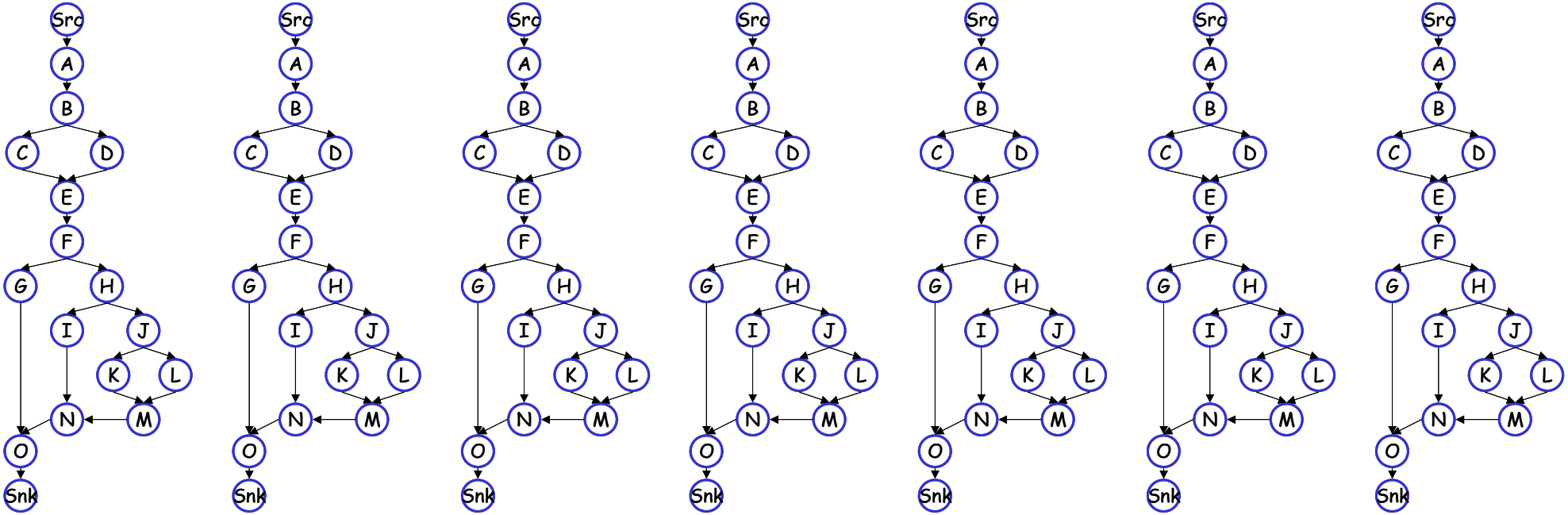
```
1   program TRIANGLE
2   input (a)
3   input (b)
4   input (c)
5   if (a<b+c) AND (b<a+c) AND ((c<a+b)
6       then IsATriangle = T
7       else IsATriangle = F
8   endif
9   if IsATriangle
10      then if (a=b) AND (b=c)
11          then Output = “Equilateral”
12          else if (a != b) AND (b != c) AND (a != c)
13           then Output = “Scalene”
14           else Output = “Isosceles”
15          endif
16      endif
17  else Output = “Not a triangle”
18  endif
19  end TRIANGLE
```



Path testing



1. Specify degree of nodes A to H
2. Specify indeg of nodes B and D
3. Specify outdeg of nodes B and D
4. What is indeg of the source node?
5. What is outdeg of the sink node?
6. Specify all the directed paths between nodes C and G
7. Compute the cyclomatic number of the graph


Src
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
Snk