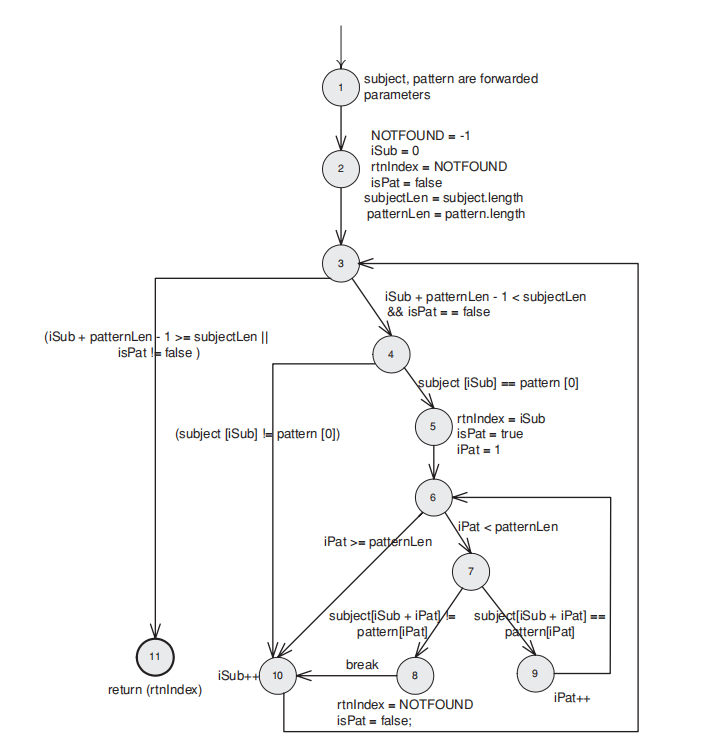
2.7.2



k

f

nl

ml

l

j

i

h

g

e

d

c

b

a

The path expression is listed as follows:

ab[ c(eg[ijk + (ilm)\*jk + (ilm)\*h] + f)n]\*d

both of loops can be taken **0 to 2 times.**

The maximum number of paths can then be calculated by substituting the appropriate value for each edge label into the path expression.

1\*1\*[1\*(1\*1[1+(1)0-2 + (1)0-2\*1] + 1)\*1]0-2 \* 1

= [1+10+11+12 +10+11+12 +1]+1]0-2

=(9)0-2

=(90+91+92)

=1+9+81=91

Minimum Number of Paths to Reach All Edges

Set the weight of the loop become **2**

1\*1\*[1\*(1\*1[1+(1)2 + (1)2\*1] + 1)\*1]2 \* 1

=1\*1\*[1\*(1\*1[1+(2)+(2)]+1]+1)\*1]2\*1

=max(1,1,WA,1)

= 2