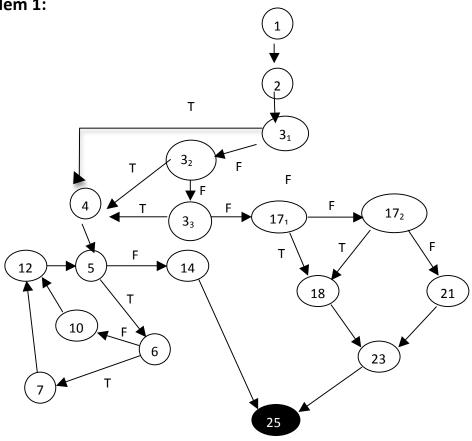
SQA Assignment 1 Solution - Spring 2016





Cyclomatic Number:

(1)
$$|E| = 24$$
; $|V| = 18$; $V(G) = 24 - 18 + 2 = 8$

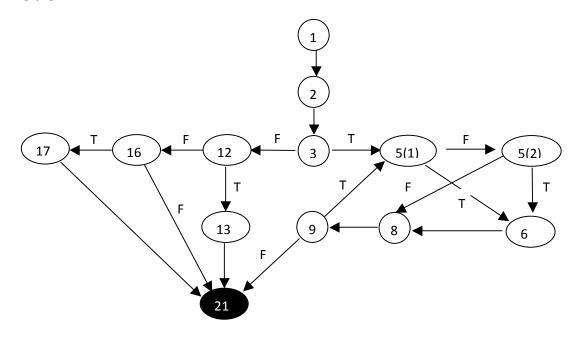
(2) Regions number = 7;
$$V(G) = 7 + 1 = 8$$

(3) Conditions number = 7; V(G) = 7 + 1 = 8

P* =

$$(((1*(((1+1)*1)^5))*3 + 3 = 99)$$

Problem 2:

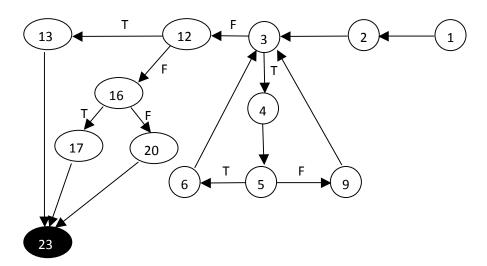


Cyclomatic Number:

(2) Regions number = 6;
$$V(G) = 6 + 1 = 7$$

(3) Conditions number = 6;
$$V(G) = 6 + 1 = 7$$

Problem 3:



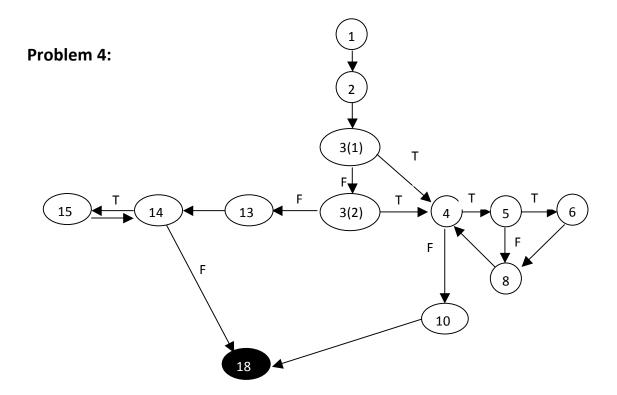
Cyclomatic Number:

(1)
$$|E| = 16$$
; $|V| = 13$; $V(G) = 16 - 13 + 2 = 5$

(2) Regions number =
$$4$$
; $V(G) = 4 + 1 = 5$

(3) Conditions number = 4;
$$V(G) = 4 + 1 = 5$$

$$(((1*(1+1)))^10)*(1+(1+1))*1=3072$$



Cyclomatic Number:

(1)
$$|E| = 17$$
; $|V| = 13$; $V(G) = 17 - 13 + 2 = 6$

(2) Regions number =
$$5$$
; $V(G) = 5 + 1 = 6$

(3) Conditions number = 5; V(G) = 5 + 1 = 6