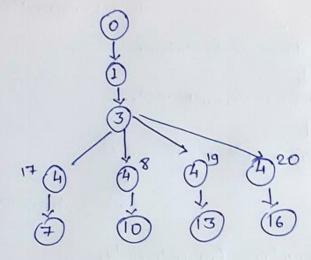
Diyanshu Shrivastava Roll No- 187909 Software - Testing Assignment - 2

- 1 Question 1
 - a) DD Graph

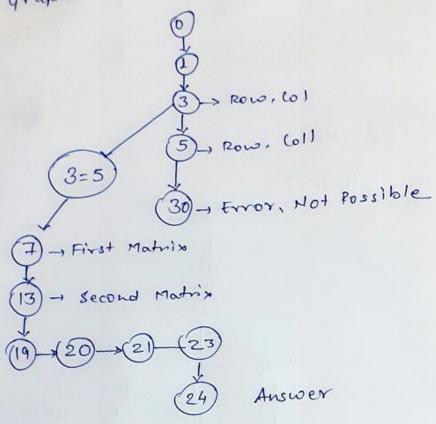


- b) Cyclomatic complexity using all 4 methods

 - ② $y(G) = e x + 2p \Rightarrow 9 10 + 2 + 1 = 1$
 - 3) Not Applicable
 - 3 Not Applicable
- c) List of Independent Barts -

 - (3) 0 -> 1 -> 3 -> 4 -> 13
 - 4 0 1 3 4 -> 16

a) DD graph



b) Cyclomatic Complexity -

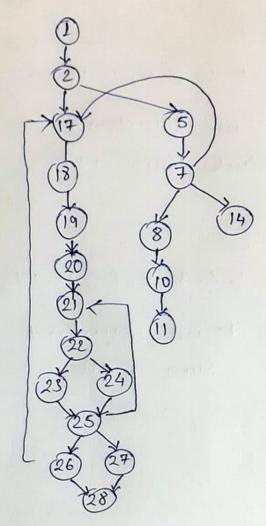
$$3 Y(G) = A+1 \rightarrow 2+1 = 2$$

c) list of Judependent laths —

0, L, 3, 3, 5, 5, 30

0, L, 7, 13, 19, 20, 21, 23, 24

Question No -3 a) DD Graph-



- b) List all independent paths -
 - ① 1→2→5→7→8→10→1L
 - 2 1→2→5→7→14
 - 3 1-2-17-18-19-20-21-22-23-25-26-28
 - (1) L→2-17 18-119 120 ->21 -> 22 -> 24 -> 25 -> 26 -> 28
 - (5) 1-12+17 →18+19 →20-21 →22 →24+25+27+28
 - 6 1→2→17→18→19→20→21→22→23→25→27→27

c) Test cases

Tes+ 1

1,3,2,5,7,10

Prime count >4.

Prime Sum -17

Test (2)

1, 2, 3, 4, 7, 9, 11, 17

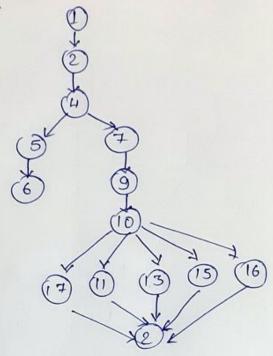
Prime Count > 7

a collect bringing of the first of

Sum = 50

Question No - (4)

0) DD Graph -



- b) (yelomatic lomple sity-
 - (1) V(G) = e-n+2p = 17-14+2×1 = 5
 - 3 V(G) = A+1 = 2+1=3
- A Regions 4+1 = 5
- 2 e-n+1 = 17-14+2 = 5
- c) List of all Independent Paths -
 - D 1→2 →4→5→6
 - 2 1-2-4-7-9-10-11-2
 - 3 1→2 →4 →7 →9→10 →17→2
 - D 1→2→4→7→9→10→15→2
 - (5) 1→ 2→4→7 →9→10→16→2
 - 6 1→2 →4→7 →9 →10 →13 →2

1) Test case @-
$$8_1 = 95, \quad 8_2 = 90, \quad 8_3 = 100, \quad 8_4 = 60$$

$$total = \frac{345}{4} = 86.2$$
Grade A

$$S_{L} = 80$$
, $S_{2} = 40$, $S_{3} = 30$, $S_{4} = 20$
 $total = \frac{180}{4} = 45$
Grade E

$$SL = 95$$
, $S_2 = 90$, $S_3 = 70$, $S_{4} = 60$
 $total = \frac{315}{4} = 78.5$
Grade B