1. Функција за пресметување време во секунди

3. Cyclimatic complexity:

Бројот на ѐ Nodes=17 и Edges=23.

Cyclimatic complexity=E-N+2=23-17+2=8

Cyclimatic complexity= P+1=7+1=8

Cyclimatic complexity= R=8

Можеме да заклучиме дека цикломатичноста на графот изнесува 8.

4. Multiple Condition:

Имаме 7 јазли на одлочување.

|  |  |  |
| --- | --- | --- |
| 2 Node (i<timeslist()) | | |
| True X | 0,2 | 1,2=3 |
| False X | 2,2 | 1,2-4 |

|  |  |  |
| --- | --- | --- |
| 5 Node (hr<0 || hr>24) | | |
| True X | Hr=-1 | 1 2 3 5 – 6 |
| False True | Hr=26 | 1 2 3 5 - 6 |
| False False | Hr=15 | 1 2 3 5 - 7 |

|  |  |  |
| --- | --- | --- |
| 6 Nodee (hr<0) | | |
| True | Hr=-1 | 1 2 3 5 6 – 8 |
| False | Hr=2 | 1 2 3 5 6 – 9 |

|  |  |  |
| --- | --- | --- |
| 7 Node (hr < 24) | | |
| Tue | Hr=15 | 1 2 3 5 7 -10 |
| False | Hr=26 | 1 2 3 5 7 – 11 |
|  |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| 10 Node (min<0 || min> 59 ) | | |
| True X | Min=-1 | 1 2 3 5 7 10 -12 |
| False True | Min=60 | 1 2 3 5 7 10 – 12 |
| False False | Min=25 | 1 2 3 5 7 10 - 13 |

|  |  |  |
| --- | --- | --- |
| 11 Node (hr==24 && min ==0 && sec ==0) | | |
| True True True | Hr=24 min=0 sec=0 | 1 2 3 5 7 11 - 16 |
| True True False | Hr=24 min=0 sec=1 | 1 2 3 5 7 11 - 17 |
| True False True | Hr=24 min=1 sec=0 | 1 2 3 5 7 11 - 17 |
| False True True | Hr=23 min=0 sec=0 | 1 2 3 5 7 11 - 17 |
| False X X | Hr=24 min=0 sec=1 | 1 2 3 5 7 11 - 17 |
| X False X | Hr=24 min=1 sec=1 | 1 2 3 5 7 11 - 17 |
| X X False | Hr=24 min=1 sec=1 | 1 2 3 5 7 11 - 17 |

|  |  |  |
| --- | --- | --- |
| 13 Node (sec>=0 && sec<=50) | | |
| True True | Sec=10 | 1 2 3 5 7 10 13 – 14 |
| True False | Infeasable | / |
| False X | Sec=60 | 1 2 3 5 7 10 13 - 15 |

5. Every Branch:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1,2-3 | X | x | x | x | x | x |  |
| 1,2-4 |  |  |  |  |  |  | x |
| 5-6 | X |  | X |  |  |  |  |
| 5-7 |  | x |  | X | x | X |  |
| 6-8 | X |  |  |  |  |  |  |
| 6-9 |  |  | x |  |  |  |  |
| 7-10 |  | X |  | X | X |  |  |
| 7-11 |  |  |  |  |  | X |  |
| 10-12 |  | x |  |  |  |  |  |
| 10-13 |  |  |  | X | X |  |  |
| 13-14 |  |  |  | x |  |  |  |
| 14-15 |  |  |  |  | X |  |  |
| 11-16 |  |  |  |  |  | X |  |
| 11-17 |  |  |  |  |  |  |  |