

exp 4.m

```
1 disp("Name:Nitish Kamal");
2 disp("Roll No.:727822TUCY043");
3 disp("Experiment Name: Verification of De-Morgan's Law");
4 u=[2 3 4 5 6 7 8 9 10]
5 a=[7 8 9]
6 b=[6 7 8 10]
7 c=union(a,b)
8 d=setdiff(u,c)
9 e=setdiff(u,a)
10 f=setdiff(u,b)
11 g=intersect(e,f)
12 h=intersect(a,b)
13 i=setdiff(u,h)
14 j=union(e,f)
15 disp(" ")
16 disp(" ")
17 u=[9 10 11 12 13 14 15]
18 a=[12 13 15]
19 b=[12 14 16]
20 c=union(a,b)
21 d=setdiff(u,c)
22 e=setdiff(u,a)
23 f=setdiff(u,b)
24 g=intersect(e,f)
25 h=intersect(a,b)
26 i=setdiff(u,h)
27 j=union(e,f)
28 disp(" ")
29 disp(" ")
30 u=[1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20]
31 a=[1 2 3 4 5 6 7 8 9 10 11 12 13 14 15]
32 b=[10 11 12 13 14 15 16 17 18 19 20]
33 c=union(a,b)
34 d=setdiff(u,c)
35 e=setdiff(u,a)
36 f=setdiff(u,b)
37 g=intersect(e,f)
38 h=intersect(a,b)
39 i=setdiff(u,h)
40 j=union(e,f)
41 disp(" ")
42 disp(" ")
43
44
```

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