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EX NO: 13

}

PROGRAM NAME: GRAPH TRAVERSAL-PRIMS

```
CODING:
#include<stdio.h>
#define SIZE 7
int
0,0,9,0},{0,0,7,0,9,0,6},{0,0,4,1,0,6,0}};
int visit[SIZE]={0};
int min,p;
void prims(){
 visit[0]=1;min=100;printf("%d ",0);
 for(int l=0;l<6;l++){
 for(int i=0;i<7;i++){
 if(visit[i]==1){
 for(int j=0;j<7;j++){
   if(G[i][j]<min && G[i][j]>0 && visit[j]!=1){
    min=G[i][j];
    p=j;
   }
  }
 }
```

```
visit[p]=1;
  printf("%d ",p);
  min=100;
  }
}
int main(){
  prims();
}
```

OUTPUT:

0214635

Process returned 0 (0x0) execution time: 1.089 s

Press any key to continue.