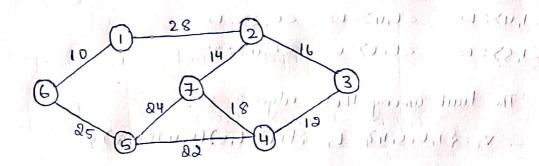
b block it Ting (Shirt

1BM19CS400

prim's algorithm. the following



L'EXAMPLE L'AND PROCESSES HI CELL cost adjacency matrix for above graph is

The least among there

(1,1)=0

```
1 Deline
                                                       Abhishet.R
OTHE PIME
                       town year Acid
                                                       1BM19CS400
 <1,17=0
             <1,7>=00
                         <6,7)=6
                                      25,57=0
             <6,2>=0
                                                    ed raw back
<1,2>=28
                         (5,12=00
                                      (5,7)=24
 <1,3)=10
             <6,3>=6
                          <25,2>=0
 <1,4>= 6
              <6,4>=0
                          <213>=0
 <1,5)= 0
              <6,67=0
                        11514>=22
    The least among those edges is 22.
   -: VT= $ 1,6,5,43 ET= $ (1,6)(6,5)(5,4)(4,3)3
<1,1)=0
           <1,7>=0
                      <6,7>= 10
                                 (5,7)=24
                                             <4,7>=18
                                                         C3,6>=6
SG=(6,1)
           <6,8)=10 11 (5,17=10
                                 <4,1)=60
                                            <3/1>=0
                                                         < 3,7>=∞
<1.3>=0
           <6,3>= to
                      <5,2>=0
                                 <4.2>=6
                                              <3,2>=16
<1,4>= 6/ </1/>
                       (5,3)=0
                                 <4,4>=0
                                              (3,3) = 0
                       <5,5)=0
 C1,5) = 00
           (6,6)=0
                                  C4,67=00
                                              <3,5)= 60
          least among those edge is 16. 11
    -, VT = $ 1, 6, 5, 4, 3, 2 } ET = $ (1,6)(6,5) (5,4) (4,3) (3,2) }
<1,1>=0
                                    24,45=0
           C6,2>=0
                                                (BIL)=10 (D,6)=10
                       (518)-10
 <1,2>=28
           C6,3>= W
                        <5,3>≥∞
                                    <3,7)= w
                                                           CD, 3>=14.
 <1,3>=0
            < 6, 47 = W
                        L5,5>=0
                                    2417)=18
                                                <2,1>=28
 <1,4)= >>
            <6,6>=0
                        <517>=24
                                    <3,17=00
                                                0=(0,0)
 <1,5>= 6
            < 6, 4)=6
                        C4,17=00
                                     C3,3)=0
                                               <2, 4)= >
            <5,17= b
                        <u,2>=0
                                    <3,5>= 6
 C1,7)=6
                                                (2,5)=W
      The least among those edges
                                   15
:. VT = $ 1,6,5,4,3,2,73 ET = $(1,6)(6,5) (2,4)(4,3) (3,2) (2,7) ]
 :. The Minimum Cost Spanning tree is
                          16
                                  The minimum
                                                Lost is
                                  310+25+22+12+16+14
                                   >99 unity.
```