05506005

```
[][] adja ={{    0,    2,    6, 711, 711, 711, 711 },
             {    2,    0, 711,    5, 711, 711, 711 },
             {    6, 711,    0,    8, 711, 711, 711 },
             { 711,    5,    8,    0,   10,   15, 711 },
             { 711, 711, 711,   10,    0,    6,    2 },
             { 711, 711, 711,   15,    6,    0,    6 },
             { 711, 711, 711, 711,    2,    6,    0 } };

[] dist ={ 0, 711, 711, 711, 711, 711, 711 };

for (int city = 0; city < adja.length; city++) {
  for (int dest = 1; dest < adja.length; dest++) {
    if (dist[dest] < 711)
        println("dest " + dest + " dist " + dist[dest]); //q1
    if ( /* q2 */ ) {
        tmp++; // System.out.println(" new cost for " + dest);
        dist[dest] = dist[city] + adja[city][dest];
      }
  }
  System.out.println("-----------------------");
}
System.out.println(tmp); /* q3 */
System.out.println(Arrays.toString(dist)); /* q4 */
```

คำสั่ง

q1 แสดงผลการทำงาน

dest 1 dist 2 | dest 4 dist 17
dest 2 dist 6 | dest 5 dist 22
dest 3 dist 7 | dest 6 dist 19

q2 เติมส่วนของโปรแกรม

dist [city] + adja [city][dest] < dist [dest]

q3 & q4 แสดงผลการทำงาน

6

[0, 2, 6, 7, 17, 22, 19]

กำหนดส่ง TBA