





更新后的全部点上

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```
1 void Dijkstra(int start)
2 {
3     init();
4     dist[start] = 0;
5     while(true){
6         int min = INT_MAX;
7         int min_index = -1;
8         for( int i = 1; i <= n; i++){
9             if(min > dist[i] && !collected[i]){
10                 min = dist[i];
11                 min_index = i;
12             }
13         } // 14-19行为找出最近的未被收录的点
14         if(min_index == -1){ // 如果找不到, 跳出循环
15             break;
16         }
17         collected[min_index] = true; // 将该点收录,
18         for( int i = 1; i <= n; i++){ // 遍历该点的邻接点
19             if(map[min_index][i] != -1 && !collected[i]){
20                 int temp = dist[min_index] + map[min_index][i];
21                 if(temp < dist[i]){
22                     dist[i] = temp;
23                     path[i] = min_index;
24                 }
25             }
26         }
27     }
28 }
```

找到与起始点最近且未被收录的点Q

---

`min = 9`

`min_index = T`







d

i

s

t

path

codeledated























faise







































A large, solid green circle occupies the entire frame. In the center of this circle is a bold, black, sans-serif capital letter 'D'. The 'D' is perfectly centered both horizontally and vertically, creating a high-contrast visual element.

**D**





Y

A large, solid red circle is centered on a white background. Inside the circle, a bold, black, sans-serif capital letter 'T' is centered. The 'T' has a thick vertical stem and a horizontal crossbar.

**T**



Q



P



10





















**T**