

# 标签 最短路 下的文章

🏠 首页 (<https://blog.orzsiyuan.com/>) / 最短路

「Codeforces 70E」 Information Reform  
(<https://blog.orzsiyuan.com/archives/Codeforces-70E-Information-Reform/>)

题目链接: Codeforces 70E (<https://codeforces.com/contest/70/problem/E>)

虽然已经是二十一世纪了，但是大众传媒在海象国并不普及，城市之间只能通过公路交流。海象国中任意两座城市之间有且只有一条路径，且每条道路的长度都是 1。

为了进行改革，将会选择一些城市作为信息中心，维护一个信息中心需要  $k$  元钱。对于其他城市，他们将会从最近的信息中心获得消息，如果设两者直接的距离为  $len$ ，那么这将花费  $d_{len}$  元钱。

请你求出一种方案使得花费最小，并求出每个城市会从哪个信息中心获得消息。

数据范围:  $1 \leq n \leq 180$ ,  $1 \leq k \leq 10^5$ ,  $0 \leq d_i \leq d_{i+1} \leq 10^5$ 。

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(<https://blog.orzsiyuan.com/archives/ZJOI-2019/>)  
2019/ ⚡ 6051

(<https://blog.orzsiyuan.com/archives/hehezhou-AK-CSP-2019/>)  
AK- ⚡ 2892

CSP-  
2019/ (<https://blog.orzsiyuan.com/archives/Polynomial-Template/>)  
Template ⚡ 1080

(<https://blog.orzsiyuan.com/archives/SDOI-2017-Number-Table/>)  
2017- ⚡ 1028

Number-  
Table/ (<https://blog.orzsiyuan.com/archives/TJOI-2019-Sing-Dance-Rap-and-Basketball/>)

Sing-  843  
 Dance-  
 Rap-  
 and-  
 Basketball/)

## 博客信息

 文章数目	187
 评论数目	243
 运行天数	1年25天
 最后活动	4 个月前

## 标签云



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