

# Manacher

## 代码

```
pat[0]='@';
for(i=1;i<=n;i++) pat[2*i-1]=ch[i],pat[2*i]='@';
pos=0,r[0]=0;
for(i=1;i<=2*n;i++){
    if(i<=pos+r[pos]) r[i]=min(pos+r[pos]-i,r[pos*2-i]);
    while(i>r[i]&&pat[i+r[i]+1]==pat[i-r[i]-1]) r[i]++;
    if(i+r[i]>pos+r[pos]) pos=i;
}
```

From:

<https://wiki.cvbbacm.com/> - CVBB ACM Team

Permanent link:

[https://wiki.cvbbacm.com/doku.php?id=2020-2021:teams:farmer\\_john:2sozx:%E5%AD%97%E7%AC%A6%E4%B8%B2:manacher](https://wiki.cvbbacm.com/doku.php?id=2020-2021:teams:farmer_john:2sozx:%E5%AD%97%E7%AC%A6%E4%B8%B2:manacher)

Last update: 2020/05/22 10:40