

Minimum rotations to unlock a circular lock

解开密码锁需要的最小步骤

```
#include <bits/stdc++.h>

using namespace std;

int minRotations(long long int &P, long long int &R) {
    int res = 0;
    while (P || R) {
        int p = P % 10, r = R % 10;
        res += min(abs(p - r), 10 - abs(p - r));
        P /= 10, R /= 10;
    }
    return res;
}

int main() {
    int T;
    scanf("%d", &T);
    while (T--) {
        long long int P, R;
        scanf("%lld %lld", &P, &R);
        printf("%d\n", minRotations(P, R));
    }
    return 0;
}
```