

```
/**  
  
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GRADE: 11  
  
DIVISION: INT5  
  
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**/
```

```
#include <cstdio>
```

```
#include <cmath>
```

```
#include <cstring>
```

```
using namespace std;
```

```
char a[20];
```

```
int p, n, pcif;
```

```
int main()
```

```
{
```

```
    freopen("number.in", "r", stdin);
```

```
    for(int acsl=1; acsl<=5; acsl++){
```

```
        scanf("%s %d\n", a, &p);
```

```
        p = strlen(a) - p;
```

```
        pcif = a[p] - '0';
```

```
        n = strlen(a);
```

```
        for(int i=0; i<p; i++)
```

```
            a[i] = ((a[i] - '0' + pcif) % 10 + '0');
```

```
        for(int i=p+1; i<n; i++)
```

```
            a[i] = abs(a[i] - '0' - pcif) + '0';
```

```
        printf("%s\n", a);
```

```
}
```

```
return 0;
```

```
}
```