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///  
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//DIVISION: INT5  
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```

```
#include <iostream>
```

```
#include <fstream>
```

```
#include <vector>
```

```
#include <algorithm>
```

```
#include <cmath>
```

```
using namespace std;
```

```
ifstream f("number.in");
```

```
vector<long long> digits(long long n){
```

```
    vector<long long> dig;
```

```
    for(; n; n/=10){
```

```
        dig.push_back(n % 10);
```

```
    }
```

```
    reverse(dig.begin(), dig.end());
```

```
    return dig;
```

```
}
```

```
int main() {
```

```
    for (int acsl = 0; acsl < 5; ++acsl) {
```

```
        long long n, p;
```

```
        f>>n>>p;
```

```
        if(n == 0){
```

```
    cout<<0<<"\n";

    continue;

}

vector<long long>dig = digits(n);

p = dig.size() - p;

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

    dig[i] = (dig[i] + dig[p]) % 10;

}

for(int i = p + 1; i < dig.size(); ++i){

    dig[i] = abs(dig[i] - dig[p]) % 10;

}

for (int i = 0; i < dig.size(); ++i) {

    cout<<dig[i];

}

cout<<"\n";

}

return 0;

}
```