Problem Link:

<https://codeforces.com/problemset/problem/742/A>

Solution:

* **#include** <bits/stdc++.h>
* **using** **namespace** std;
* **int** main() {
* **int** n;
* cin >> n;
* **if**(n == 0)
* {
* cout << 1 << **"\n"**;
* **return** 0;
* }
* **int** i = n % 4;
* **if**(i == 1)
* {
* cout << 8 << **"\n"**;
* }
* **else** **if**(i == 2)
* {
* cout << 4 << **"\n"**;
* }
* **else** **if**(i == 3)
* {
* cout << 2 << **"\n"**;
* }
* **else**
* {
* cout << 6 << **"\n"**;
* }
* **return** 0;
* }