Problem Link:

<https://codeforces.com/problemset/problem/1374/B>

Solution:

* **#include** **<iostream>**
* **using** **namespace** std;
* **int** minMoves(**int** n)
* {
* **int** m = 0;
* **while**(n > 1)
* {
* **if**(n % 6 == 0)
* {
* n /= 6;
* }
* **else** **if**(n % 3 == 0)
* {
* n \*= 2;
* }
* **else**
* {
* **return** -1;
* }
* m++;
* }
* **return** m;
* }
* **int** main() {
* **int** t;
* cin >> t;
* **while**(t--)
* {
* **int** n;
* cin >> n;
* cout << minMoves(n) << **"\n"**;
* }
* **return** 0;
* }