Problem Link:

<https://codeforces.com/problemset/problem/1294/C>

Solution:

* **#include** <bits/stdc++.h>
* **using** **namespace** std;
* **int** main() {
* **int** t;
* cin >> t;
* **while**(t--) {
* **int** n;
* cin >> n;
* **int** a = -1, b = -1;
* **int** m = n;
* **for**(**int** i = 2; i \* i <= n; ++i)
* {
* **if**(n % i == 0)
* {
* a = i;
* n /= i;
* **break**;
* }
* }
* **if**(a == -1)
* {
* cout << **"NO\n"**;
* **continue**;
* }
* **for**(**int** i = a + 1; i \* i <= n; ++i)
* {
* **if**(n % i == 0 && i != a)
* {
* b = i;
* n /= i;
* **break**;
* }
* }
* **int** c = n;
* **if**(b != -1 && c != a && c != b && c >= 2)
* {
* cout << **"YES\n"** << a << **" "** << b << **" "** << c << **"\n"**;
* }
* **else**
* {
* cout << **"NO\n"**;
* }
* }
* **return** 0;
* }