Problem Link:

<https://codeforces.com/problemset/problem/1352/B>

Solution:

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