739. Daily Temperatures

Given a list of daily temperatures `T`, return a list such that, for each day in the input, tells you how many days you would have to wait until a warmer temperature. If there is no future day for which this is possible, put `0` instead.

For example, given the list of temperatures `T = [73, 74, 75, 71, 69, 72, 76, 73]`, your output should be `[1, 1, 4, 2, 1, 1, 0, 0]`.

Note: The length of `temperatures` will be in the range `[1, 30000]`. Each temperature will be an integer in the range `[30, 100]`.

Use the template of monotonic stack.

```cpp
class Solution {
public:
    vector<int> dailyTemperatures(vector<int>& T) {
        stack<int> stack;    // monotonic stack
        vector<int> res(T.size());   // store result in index

        // push into stack in reverse order
        for (int i = T.size() - 1; i >= 0; i--) {
            while (!stack.empty() && T.at(stack.top()) <= T.at(i)) {
                // remove the smaller one
                stack.pop();
            }
            // stack.top() is index for the next greater elements
            res.at(i) = stack.empty() ? 0 : (stack.top() - i);

            stack.push(i);
        }

        return res;
    }
};
```