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//LAB02pt2
//measure the exec time of bubble sort-
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```
#include <iostream>
#include <vector>
#include <cstdlib>
```

```
void bubble(std::vector<int>& v)
{
```

```
    for (int i = v.size()-1; i > 0; i--)
        for (int j = 0; j < i; j++)
            if (v[j] > v[j+1])
                std::swap(v[j], v[j+1]);
```

```
}
```

```
int main()
{
    int n;
    std::cin>>n;
    std::vector<int> temp;
    for(int i = 0; i < n; i++)
        temp.push_back(rand()%1000000);
```

```
    bubble(temp);
}
```

```
~
```