TP 2 - Problem 5 - I

```
1   #include <cassert>
2   #include <iostream>
3
4   #define SHOW(arg) std::cout << "Macro SHOW “" #arg "”: " << (arg) << '\n';
5
6   double sumDoubles(double const *dbl_ptr, int n) {
7     assert(n >= 0);
8     double s{};
9     // "n" is a freely disposable copy.
10    while (--n >= 0)
11      // Get the value pointed by "dbl_ptr" then increment the pointer.
12      s += *dbl_ptr++;
13    return s;
14  }
15
16  int main() {
17    {
18      double const a[]{};
19      SHOW(sumDoubles(a, 0))
```

TP 2 - Problem 5 - II

```
20    }
21    {
22      double const a[]{1, 2};
23      SHOW(sumDoubles(a, 2))
24    }
25    return 0;
26  }
```

Output:

```
1  Macro SHOW "sumDoubles(a, 0)": 0
2  Macro SHOW "sumDoubles(a, 2)": 3
```