Значения метрик SLOC/ClOC для программы будут следующими:

SLOC absolute = 26 ед.

SLOC relative = 28/42 = 0.62

CLOC absolute = 19 ед.

CLOC relative = 19/42 = 0.45

**Таблица 1.Пример подсчета показаний метрики SLOC и CLOC**

|  |  |  |  |
| --- | --- | --- | --- |
| № строк | Фрагмент кода | SLOC | CLOC |
| 1 | #include<iostream> | 1 |  |
| 2 | #include<vector> | 1 |  |
| 3 |  | 0 |  |
| 4 | using namespace std; | 1 |  |
| 5 |  | 0 |  |
| 6 | vector<int> vec; | 1 |  |
| 7 |  | 0 |  |
| 8 | int main() { | 1 |  |
| 9 | cout << "Enter amout of elements you want to add:";//1 | 1 | 1 |
| 10 | int n = 0;//1 | 1 | 1 |
| 11 | cin >> n;//1 | 1 | 1 |
| 12 |  | 0 |  |
| 13 | if (n <= 0 || n >= 100) {//1 | 1 | 1 |
| 14 | cout << "N is uncorrect"; | 1 |  |
| 15 | return 0; | 1 |  |
| 16 | } | 0 |  |
| 17 |  | 0 |  |
| 18 | int\* arr = new int[n];//1 | 1 | 1 |
| 19 | for (int i = 0; i < n; i++) {//n | 1 | 1 |
| 20 | cout << "Enter an element:";//n | 1 | 1 |
| 21 | cin >> arr[i];//n | 1 | 1 |
| 22 | } | 0 |  |
| 23 | for (int i = 0; i < n - 2; i++) {//n-2 | 1 | 1 |
| 24 | if (arr[i + 1]<arr[i] && arr[i + 2]>arr[i + 1]) {//n-2 | 1 | 1 |
| 25 | vec.push\_back(arr[i + 1]);//n-2 | 1 | 1 |
| 26 | } | 0 |  |
| 27 | } | 0 |  |
| 28 |  | 0 |  |
| 29 | if (vec.size() == 0) {//1 | 1 | 1 |
| 30 | cout << "There is no local minimums";//1 | 1 | 1 |
| 31 | } | 0 |  |
| 32 | else { | 0 |  |
| 33 | int min = vec[0];//1 | 1 | 1 |
| 34 | for (int i = 0; i < vec.size() - 1; i++) {//m | 1 | 1 |
| 35 | if (vec[i + 1] < vec[i]) {//m | 1 | 1 |
| 36 | min = vec[i + 1];//m | 1 | 1 |
| 37 | } | 0 |  |
| 38 | } | 0 |  |
| 39 | cout << min;//1 | 1 | 1 |
| 40 | } | 0 |  |
| 41 | return 0;//1 | 1 | 1 |
| 42 | } | 0 |  |
| Сумма: | | 26 | 19 |