

```

1
2 #include <vector>
3 #include <map>
4 #include <string>
5 #include <iostream>
6 #include <utility>
7
8 constexpr int N = 0;
9
10 constexpr auto get( ) {
11     if constexpr (N == 0) return "0";
12     else if constexpr (N == 1) return 1;
13     else if constexpr (N == 2) return 2;
14     else if constexpr (N == 3) return 3;
15 }
16
17 template<typename T>
18 const T& spaceBefore(const T& arg) {
19     std::cout << ' ';
20     return arg;
21 }
22 template <typename First, typename... Args>
23 void print (const First& firstarg, const Args&... args) {
24     std::cout << firstarg;
25     (std::cout << ... << spaceBefore(args)) << '\n';
26 }
27
28 template<auto... VS> class HeteroValueList {
29 };
30
31 HeteroValueList<1, 2, 3> vals1; // OK
32 HeteroValueList<1, 'a', true> vals2; // OK
33
34
35 int main()
36 {
37     constexpr auto i = get();
38
39     print(1, 1.2, "xxxx");
40 }
41

```