

```
1 #include <iostream>
2 #include <filesystem>
3
4 #ifndef MYFILE_HPP
5 #define MYFILE_HPP
6
7 class OutMyFile {
8
9     public:
10         OutMyFile(const std::filesystem::path path);
11
12     public:
13         void out(const int n, const double *val) const;
14         void out(const int *index, const double *val) const;
15         void out(const double *xval, const double *yval) const;
16
17     private:
18         std::filesystem::path file_path;
19 };
20
21 class InMyFile {
22
23     public:
24         InMyFile(const std::filesystem::path path);
25         ~InMyFile();
26
27     public:
28         int getNum() const;
29         double operator() (const int m) const;
30
31     private:
32         std::filesystem::path file_path;
33         int n;
34         double *arr;
35
36 };
37
38 #endif
39
```