

## C++ code 9.11.8: Class definition of **RHSProvider** → [GitLab](#)

```
2 class RHSProvider {
3   public:
4     // Disabled constructors
5     RHSProvider() = delete;
6     RHSProvider(const RHSProvider &) = delete;
7     RHSProvider(RHSProvider &&) = delete;
8     RHSProvider &operator=(const RHSProvider &) = delete;
9     RHSProvider &operator=(const RHSProvider &&) = delete;
10    // Main constructor; precomputations to be done here
11    RHSProvider(const If::assemble::DofHandler &dofh,
12               std::function<double(double)> g);
13    // Destructor
14    virtual ~RHSProvider() = default;
15    /* Class member functions */
16    // Evaluation operator for right-hand-side vector
17    Eigen::VectorXd operator()(double t) const;
18
19   private:
20     std::function<double(double)> g_;
21     Eigen::VectorXd zero_one_;
22 };
```