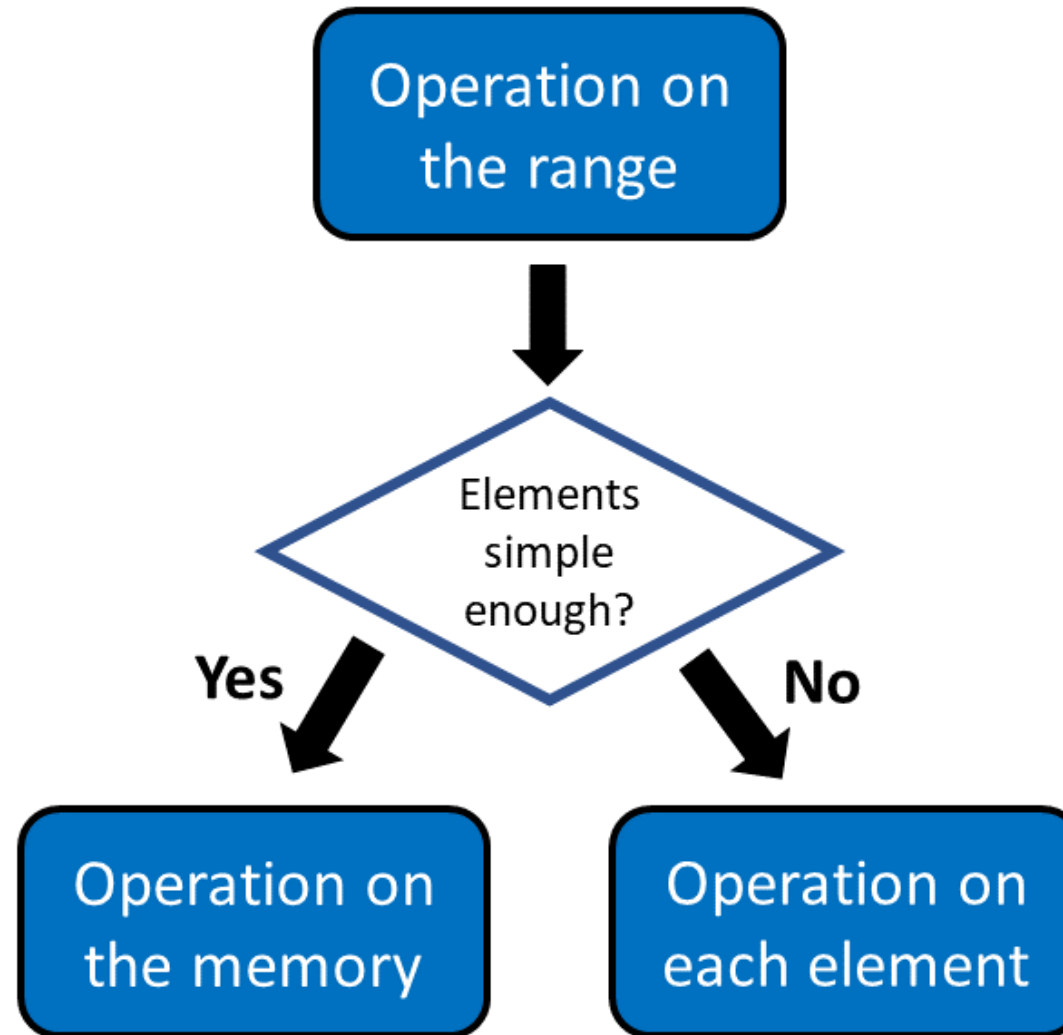


Type-Traits: Optimization



Type-Traits: `std::fill`

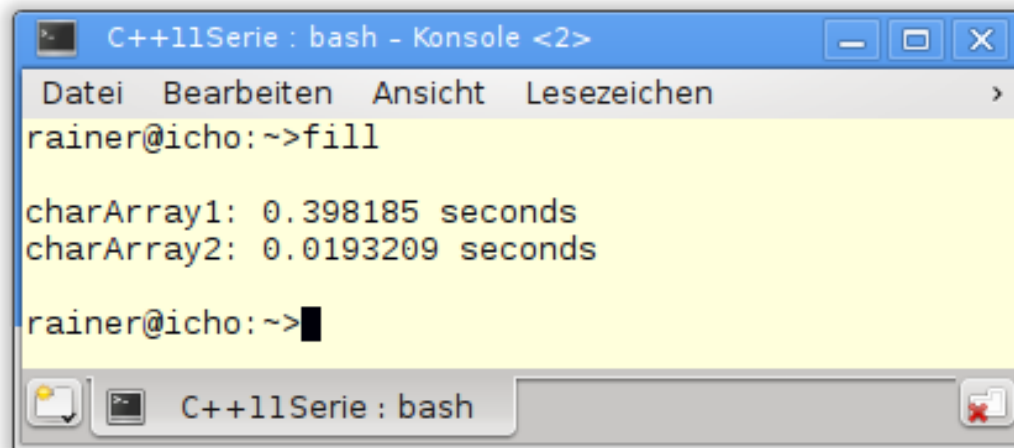
```
const int arraySize = 100'000'000;
char charArray1[arraySize]= {0,};
char charArray2[arraySize]= {0,};

int main(){

    auto begin= std::chrono::system_clock::now();
    fill(charArray1, charArray1 + arraySize,1);
    auto last= std::chrono::system_clock::now() - begin;
    std::cout << "charArray1: " << std::chrono::duration<double>(last).count() << " seconds";

    begin= std::chrono::system_clock::now();
    fill(charArray2, charArray2 + arraySize, static_cast<char>(1));
    last= std::chrono::system_clock::now() - begin;
    std::cout << "charArray2: " << std::chrono::duration<double>(last).count() << " seconds";

}
```



```
C++11Serie : bash - Konsole <2>
Datei Bearbeiten Ansicht Lesezeichen
rainer@icho:~>fill

charArray1: 0.398185 seconds
charArray2: 0.0193209 seconds

rainer@icho:~>
```

`typeTraitsFill.cpp`