```
template<typename T>
class message_queue
   std::mutex _m;
   std::queue<T> _q;
    using lock_guard = std::lock_guard<std::mutex>;
public:
    using value_type = T;
    message_queue() = default;
    message_queue(const message_queue& ) = delete;
    message_queue& operator=(const message_queue&) = \frac{\text{delete}}{\text{delete}}
    void push(T item)
        lock_guard lk{_m};
        _q.push(std::move(item));
  bool pop(T& t)
    {
        lock_guard lk{_m};
        if(_q.empty())
             return false;
        t = std::move(_q.front());
        _q.pop();
        return true;
```





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