

Handwritten Problem

- Implement a queue with a singly linked list:

```
template <typename T>
class LinkedQueue {
private:
    Node<T>* head = nullptr;
    Node<T>* tail = nullptr;
    size_t count = 0;
public:
    T front() const { /* Implement */ }
    void pop() { /* Implement */ }
    void push(T x) { /* Implement */ }
    size_t size() const { return count; }
    bool empty() const { return count == 0; }
    ~LinkedQueue() { /* Implement */ }
};
```

```
template <typename T>
struct Node {
    T value;
    Node* next;
};
```