

```
class BoxOfPencil {
    private Pencil value;
    private boolean empty;

    public BoxOfPencil() {
        this.empty = true;
    }

    public BoxOfPencil(Pencil value) {
        this.empty = false;
        this.value = value;
    }

    public Pencil remove() {
        empty = true;
        return value;
    }

    public void insert(Pencil value) {
        if (empty) {
            empty = false;
            this.value = value;
        }
    }
}
```