```java
TAChecker

    private ArrayList<String> TANames;
    private HashMap<String, TARecord> TARecords;
    private String fileName;


    public TAChecker(String s) {
    public void sortWorkLog() {
    public void checkValidity() {
    public static void main(String[] args) {
```

```java
TARecord

    private String name;
    private LinkedList<Integer> startLineNumbers;
    private HashMap<Integer, Integer> startLineToIds;
    private HashMap<Integer, Integer> endLineToIds;
    private List<Integer> unstartedLineNumbers;
    private HashMap<Integer, List<Integer>> batches;



    public TARecord(String name) {
    public String getName() {
    public void addStart(int lineNumber) {
    public void addEnd(int lineNumber, ArrayList<Integer> invoiceIds)
    public boolean isBatch(int lineNumber) {
    public boolean isStart(int lineNumber) {
    public int getStartInvoiceId(int startLineNumber) {
    public int getEndInvoiceId(int endLineNumber) {
    public boolean isUnstarted(int lineNumber) {
```

```java
Violation

    private int lineNumber;
    private String name;
    private String type;
    private boolean include;


    public Violation(int lineNumber, String name, String type) {
    public String getType() {
    public void setInclude(boolean include) {
    public void print() {
```

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