

$i = 1$

Load base case

Trip i^{th} line

Find load flow
solution

Save case and
export results

Is the design
criteria violated?

$i++$

```
graph TD; A["i = 1"] --> B["Load base case"]; B --> C["Trip i<sup>th</sup> line"]; C --> D["Find load flow solution"]; D --> E["Save case and export results"]; E --> F["Is the design criteria violated?"]; F --> G["i++"]; G --> B;
```

The flowchart illustrates a sequential process for evaluating design criteria. It begins with an initialization step $i = 1$, followed by a loop. The loop starts with 'Load base case', then 'Trip i^{th} line', 'Find load flow solution', and 'Save case and export results'. A decision point 'Is the design criteria violated?' follows. If the criteria are violated, the process increments i ($i++$) and loops back to 'Load base case'. If not, the process would exit the loop, though the exit path is not explicitly shown in the provided image.