



```

public static Node parseInputFile(String fileName) {
    Gson gson = new Gson();
    Root root = new Root();

    try(Reader reader = Files.newBufferedReader(Paths.get(fileName))) {

        InputTransponder[] list = gson.fromJson(reader,
                                                InputTransponder[].class);

        var satellites = getSatellitesFromInputFormat(new
                                                         ArrayList<InputTransponder>(List.of(list)));
        root.setChildren(satellites);

    } catch(IOException e) {
        throw new RuntimeException(e);
    }

    return root;
}

```

T1: K1, K2, K4 -> Exception

T2: K1, K2, K3, K5

T3: K1, K2, K4 -> Exception

T4: K1, K2, K4 -> Exception

Anweisungsüberdeckung: { T1, T2 }

Zweigüberdeckung: { T1, T2 }

Pfadüberdeckung: { T1, T2 }