Mode0 Sequence Diagram

Main | **Mode0** | **CheckDuplicates** | **FinalDuplicate** | **PrintResult**

Main → Mode0: **checker.check()**

Mode0 → CheckDuplicates: **new CheckDuplicates(data)**

Loop

[i = 0 to 8]

Mode0 → CheckDuplicates: **getRow(i) / getColumn(i) / getBox(i)**

CheckDuplicates ⇠ Mode0: **unit**

Mode0 → CheckDuplicates: **isValid(unit)**

CheckDuplicates ⇠ Mode0: **boolean**

Alternative

[unit invalid]

Mode0 → CheckDuplicates: **getDuplicatedNumber(unit)**

CheckDuplicates ⇠ Mode0: **duplicates**

Mode0 → CheckDuplicates: **getIndex(unit, dup)**

CheckDuplicates ⇠ Mode0: **indices**

Mode0 → FinalDuplicate: **new FinalDuplicate(type, i, map)**

Mode0 → PrintResult: **new PrintResult(duplicates)**

PrintResult ⇠ Mode0: **void**