**JVM Instructions for Branching**

See **goto** statement in [JVM Spec](http://lara.epfl.ch/w/compilation:jvm_spec)

Conditional branch on comparison to zero:

* **if\_<cond>**
* by convention on booleans in [Booleans and Data Representation](http://lara.epfl.ch/w/cc09:booleans_and_data_representation), we can use **if\_eq** to mean ifFalse
* can use **if\_ne** to mean ifTrue (because 1 is not equal to 0)

There are also conditional branches for comparison of two operands:

* in general called **if\_icmpCOND** for different ‘COND’

We examine next: how to use these instructions to compile

* control-flow operations
* later, boolean expressions