Opcodes' tables

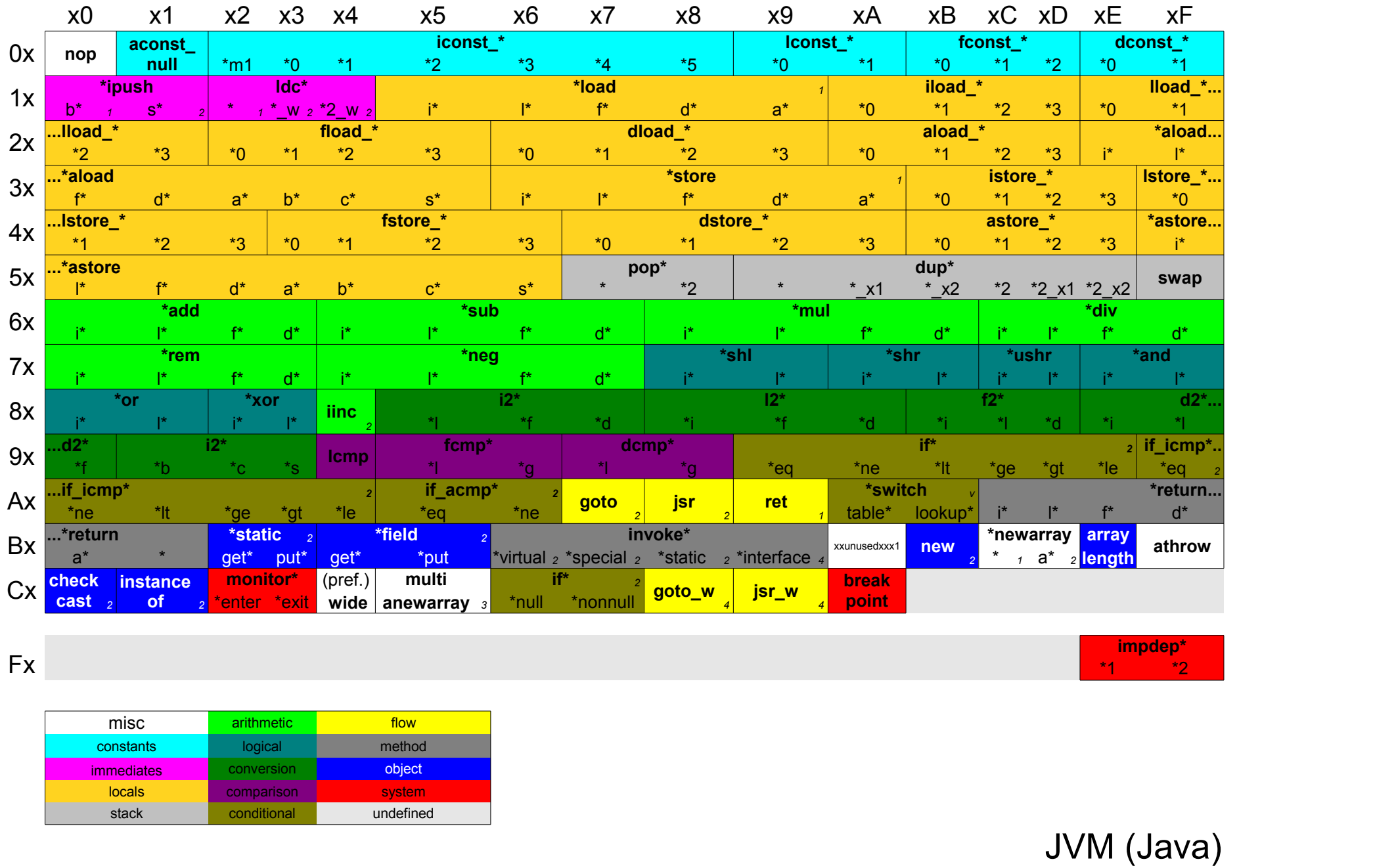
Compact

This file is free to modify and re-use, with no restrictions, even commercially.
it's an OpenOffice document.
1 grab its content via: *svn export https://corkami.googlecode.com/svn/trunk/oOo/opcodes_tables_compact*
2 rezip with subdirectories as opcodes_tables_compact.ods

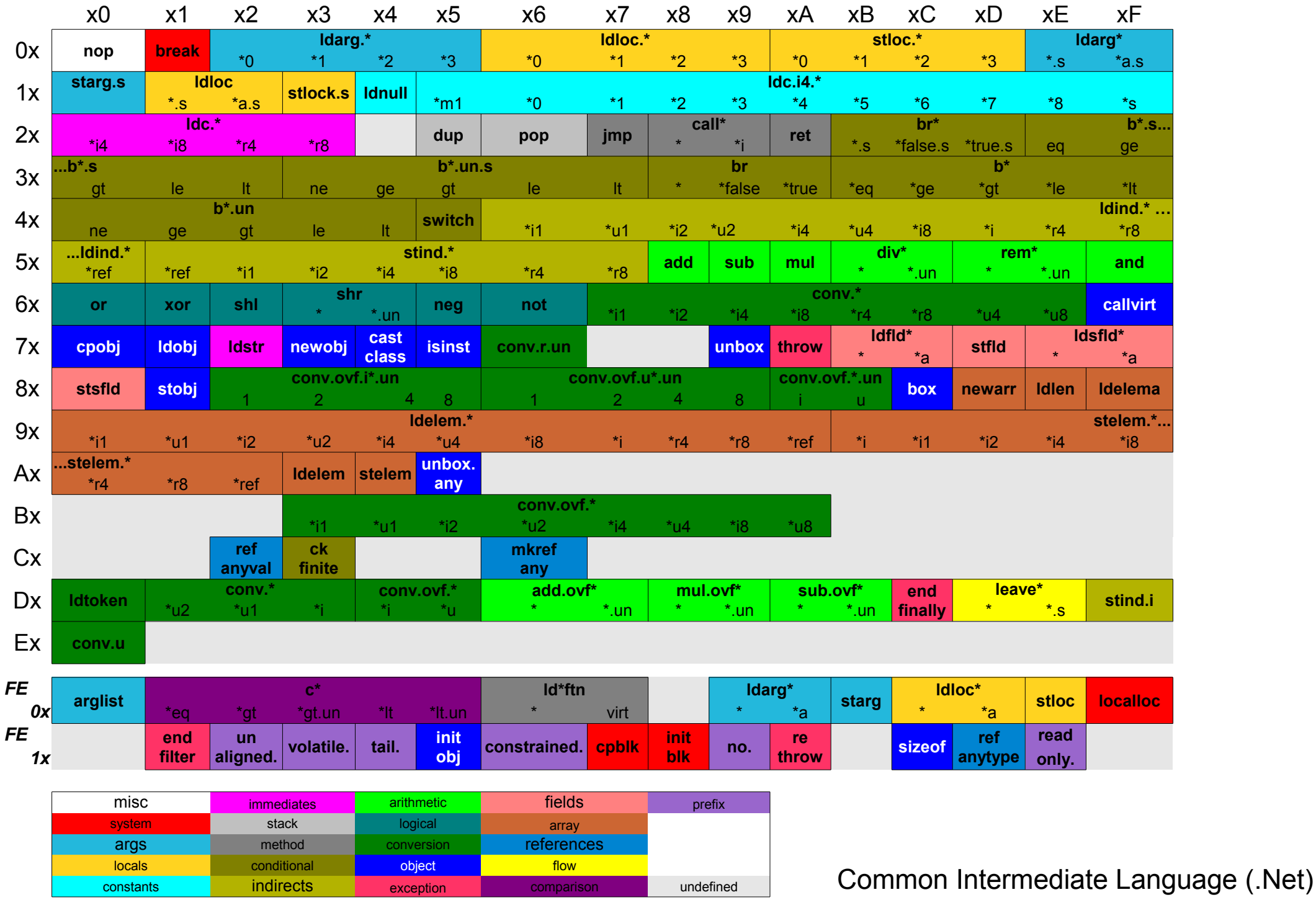
opcodes tables are available as compact and complete form.

Feb 21, 2012
Ange Albertini 2012 http://corkami.com

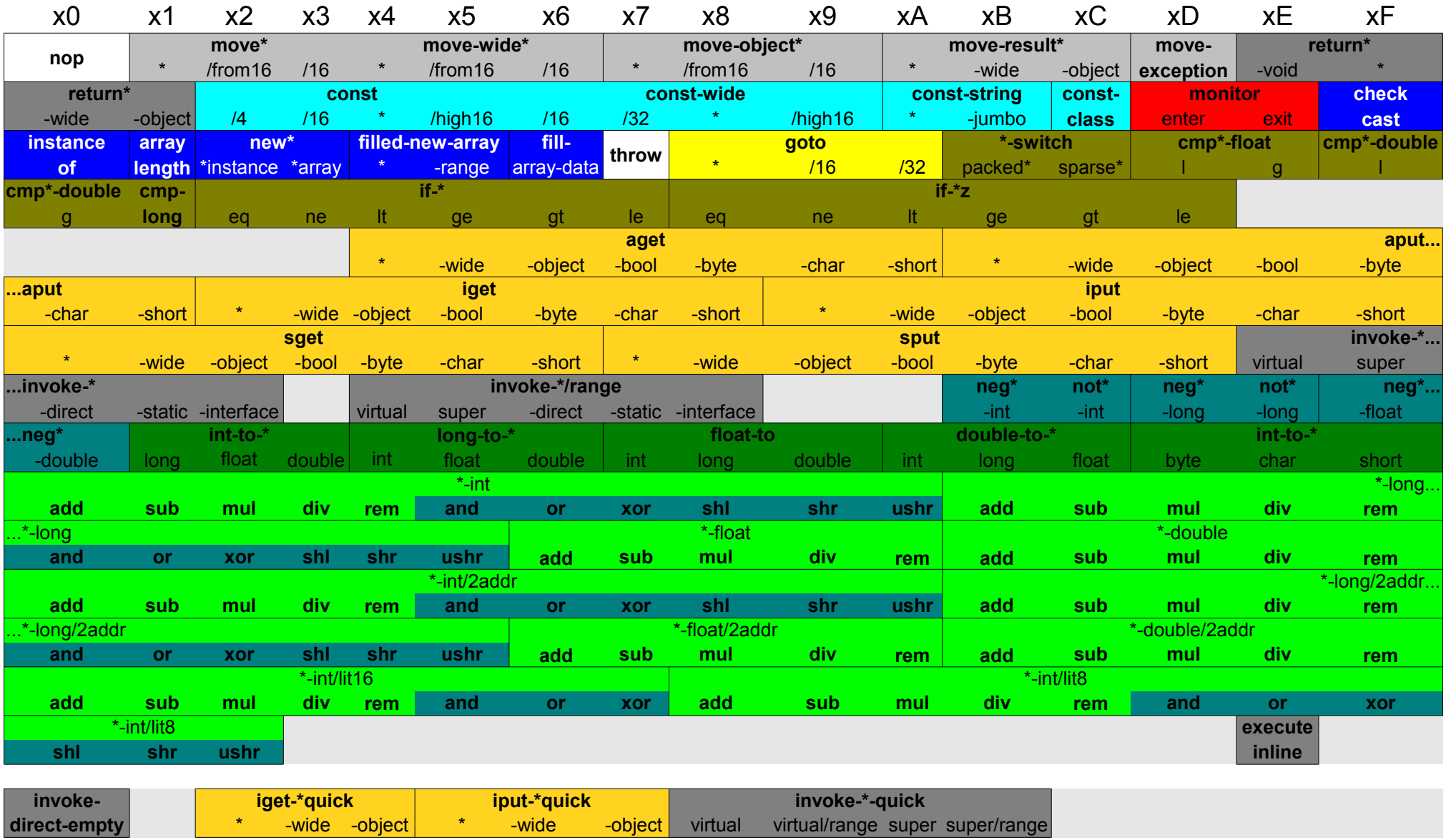
inspired by the work of Daniel Plohmann


x0 x1 x2 x3 x4 x5 x6 x7 x8 x9 xA xB xC xD xE xF
0x nop | aconst_null | iconst_* *m1 *0 *1 *2 *3 *4 *5 | lconst_* *0 *1 | fconst_* *0 *1 *2 | dconst_* *0 *1
1x *ipush b* s* | ldc* * *_w *2_w | *load i* l* f* d* a* | iload_* *0 *1 *2 *3 | lload_*... *0 *1
2x ...lload_* *2 *3 | fload_* *0 *1 *2 *3 | dload_* *0 *1 *2 *3 | aload_* *0 *1 *2 *3 | *aload... i* l*
3x ...*aload f* d* a* b* c* s* | *store i* l* f* d* a* | istore_* *0 *1 *2 *3 | lstore_*... *0
4x ...lstore_* *1 *2 *3 | fstore_* *0 *1 *2 *3 | dstore_* *0 *1 *2 *3 | astore_* *0 *1 *2 *3 | *astore... i*
5x ...*astore l* f* d* a* b* c* s* | pop* * *2 | dup* * *_x1 *_x2 *2 *2_x1 *2_x2 | swap
6x *add i* l* f* d* | *sub i* l* f* d* | *mul i* l* f* d* | *div i* l* f* d*
7x *rem i* l* f* d* | *neg i* l* f* d* | *shl i* l* | *shr i* l* | *ushr i* l* | *and i* l*
8x *or i* l* | *xor i* l* | iinc | i2* *l *f *d | l2* *i *f *d | f2* *i *l *d | d2*... *i *l
9x ...d2* *f | i2* *b *c *s | lcmp | fcmp* *l *g | dcmp* *l *g | if* *eq *ne *lt *ge *gt *le | if_icmp*.. *eq
Ax ...if_icmp* *ne *lt *ge *gt *le | if_acmp* *eq *ne | goto | jsr | ret | *switch table* lookup* | *return... i* l* f* d*
Bx ...*return a* * | *static get* put* | *field get* *put | invoke* *virtual *special *static *interface | xxunusedxxx1 | new | *newarray * a* | arraylength | athrow
Cx checkcast | instanceof | monitor* *enter *exit | (pref.) wide | multianewarray | if* *null *nonnull | goto_w | jsr_w | breakpoint
Fx impdep* *1 *2
misc | arithmetic | flow
constants | logical | method
immediates | conversion | object
locals | comparison | system
stack | conditional | undefined

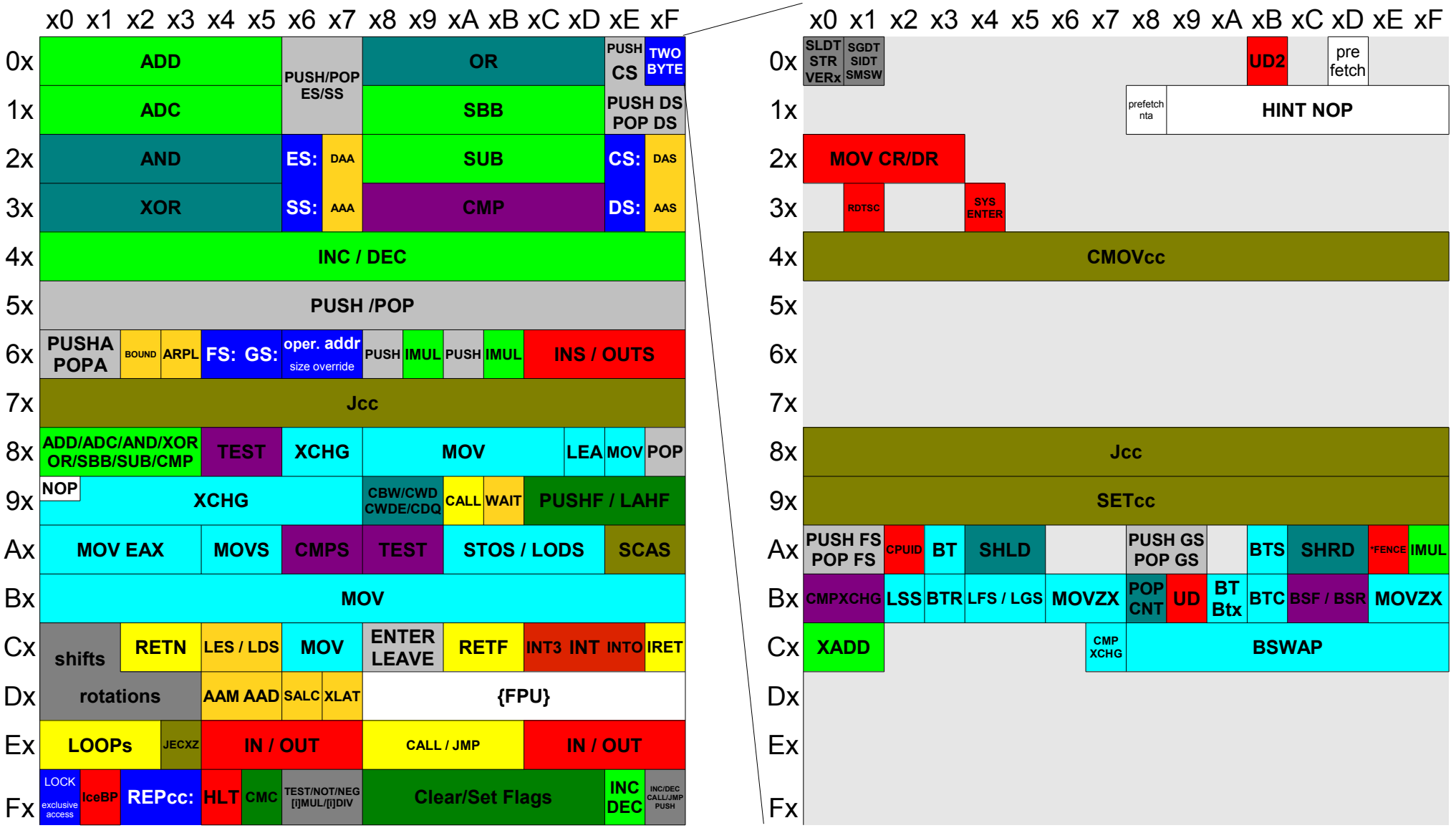
JVM (Java)



Common Intermediate Language (.Net)



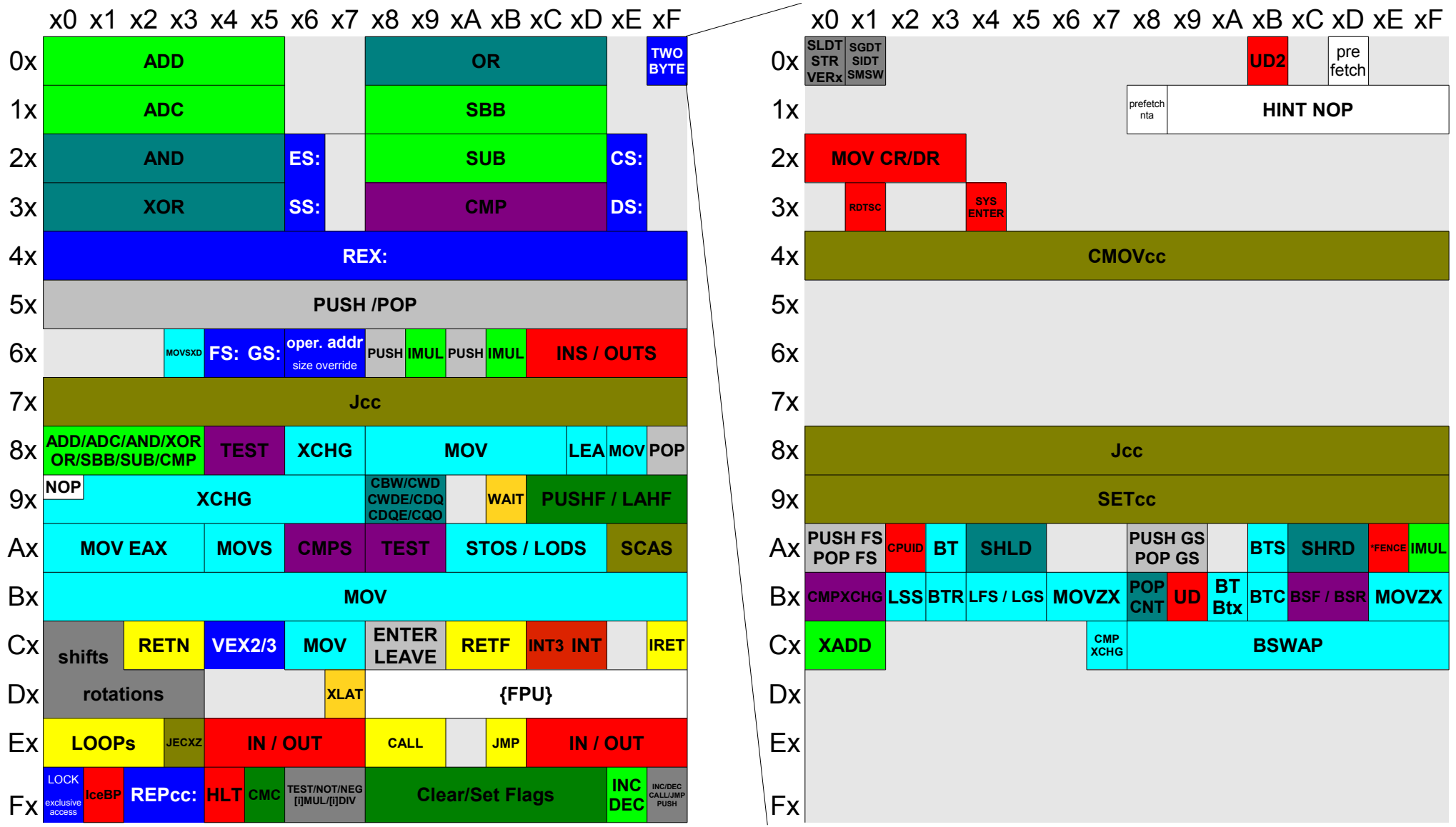
Dalvik Virtual Machine (android)



misc	arithmetic	flow
memory/reg	logical	group
	flags	prefix
obsolete	comparison	system
stack	conditional	hidden

usermode only, no extra instruction set

x86



usermode only, no extra instruction set

x86-64

Android	1 http://source.android.com/tech/dalvik/dalvik-bytecode.html	
	2 http://pallergabor.uw.hu/androidblog/dalvik_opcodes.html	
.Net	1 http://www.ecma-international.org/publications/standards/Ecma-335.htm	p355-469
	2 http://www.asukaze.net/etc/cil/opcode.html	
Java	http://java.sun.com/docs/books/jvms/second_edition/html/Instructions.doc.html	

x0

0x

SubLeq