

Stack Machine Manifests

*** Compilers 3/7/76

<u>manifest</u>	
<u>§m</u>	
	SETLITGLOBAL = 84001
5	SETLITSTATIC = 83002
	SETCSEGGLOBAL = 84003
	SETCSEGSTATIC = 83004
	LOADSTATIC = 83005
	LOADSTRING = 82006
10	FORHOP = 82007
	BACKHOP = 82010
	CONDFORHOP = 83011
	FORHOPPT = 82013
	BACKHOPPT = 82014
15	SWITCH = 80015
	LOADMANFUN = 83016
	ENDMFDEF = 82017
	SETMANFUN = 83020
	SETDSEGGLOBAL = 84021
20	SETDSEGSTATIC = 83022
	ENDPARAM = 8102023
	COERCETOVAL = 8113024
	INCsm = 8102000
25	Nsm = 8112001
	Ssm = 8102002
	RPsm = 8112003
	SPsm = 8072004
	APPLYsm = 8102005
30	JUMPPPTsm = 8102006
	HOPsm = 8102007
	SAsm = 8072010
	LPsm = 8112011
	RAsm = 8112012
35	LGsm = 8112015
	SGsm = 8072016
	RGsm = 8112017
	HOPIFZEsm = 8070300
40	HOPIFGEsm = 8060302
	HOPIFNEsm = 8060304
	HOPIFGTsm = 8060306
	HOPIFLEsm = 8060310
	HOPIFEQsm = 8060312
45	HOPIFLTsm = 8060314
	HOPIFNZsm = 8070316
	NOTsm = 8101360
	NEGsm = 8101361
50	MULTsm = 8071362
	DIVsm = 8071363
	REMs = 8071364
	ADDsm = 8071365
	SUBsm = 8071366
55	LSHsm = 8071367
	RSHsm = 8071370
	ANDsm = 8071371
	ORsm = 8071372
	EQVsm = 8071373
60	NEQVsm = 8071374
	CONTSsm = 8101375

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        STOREsm    = 8061376
        GOTOsm     = 8071377

65      SWAPsm     = 8101340
        DUPsm      = 8111341
        DDUPsm     = 8121342
        LINKsm     = 8111343
        FNEXITsm   = 8072344
70      RTEXTsm    = 8102345
        SWITCHsm   = 8072346
        TRUEsm     = 8111347
        VECAPsm    = 8071350
        VECSTsm    = 8051351

75      RETURNsm   = 8102357

        CODE       = 1
        DATA      = 4
80      DIAGNOSTICS = 5
        NEWSECTION = 6
        ENDLOAD    = 7
        LABELS     = 15
        GLOBALS    = 16

85      CSEG       = 0
        DSEG       = 8100000
        LIT        = -1

90      CSEGg      = 1
        DSEGg      = 2
        ACTUALg     = 3

        LONG       = 8240
95      MEDIUM    = 8260

        STACKMACHINECODE = 3

        StackIncrement[T] = ((T rshift 12) - 8)
100     LengthField[T] = ((T rshift 9) ^ 7)
        InstField[T] = (T ^ 8777)
$m
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