

1	Code	MemWord	<u>Addr</u>	HexAddr	Label	Instruction
2						ORG 0x0000
3	3D00	0	0	0000		Store 0_AC
4	6E49	1	2	0002		LoadCS
5	3D02	2	4	0004		Store 0_CS
6	65F3	3	6	0006		LoadDS
7	3D04	4	8	0008		Store 0_DS
8	4D9E	5	10	000A		LoadSS
9	3D06	6	12	000C		Store 0_SS
10	8D08	7	14	000E		Load 0_NegOne
11	3D0A	8	16	0010		Store 0_AC1
12	0110	9	18	0012		Clear
13	3D0C	10	20	0014		Store 0_AC1A
14	6800	11	22	0016		AddIL 0xFC00
15	FC00	12	24	0018		
16	3D0E	13	26	001A		Store 0_AC2
17	2ECC	14	28	001C		StoreSS
18	4D73	15	30	001E		LoadSS
19	3D10	16	32	0020		Store 0_SS2
20	5400	17	34	0022		LoadIL 0x8000
21	8000	18	36	0024		
22	3D12	19	38	0026		Store 0_AC3
23	37B3	20	40	0028		StoreDS
24	6454	21	42	002A		LoadDS
25	3C02	22	44	002C		Store DS
26	1430	23	46	002E		Jump Next
27	3C04	24	48	0030	Next:	Store DS2
28	5400	25	50	0032		LoadIL 0x0400
29	0400	26	52	0034		
30	3C06	27	54	0036		Store CS
31	3BE5	28	56	0038		StoreCS
32	6D8E	29	58	003A		LoadCS
33	3C08	30	60	003C		Store CS2
34	1400	31	62	003E		Jump 0x0000
35						
36						ORG 0x0100
37	AAAA	128	256	0100	0_AC	0xAAAA
38	CCCC	129	258	0102	0_CS	0xCCCC
39	DDDD	130	260	0104	0_DS	0xDDDD
40	EEEE	131	262	0106	0_SS	0xEEEE
41	FFFF	132	264	0108	0_NegOne	0xFFFF
42	AAA1	133	266	010A	0_AC1	0xAAA1
43	AA1A	134	268	010C	0_AC1A	0xAA1A
44	AAA2	135	270	010E	0_AC2	0xAAA2
45	EEE2	136	272	0110	0_SS2	0xEEE2
46	AAA3	137	274	0112	0_AC3	0xAAA3
47	DDD2	138	276	0114	0_DS2	0xDDD2
48						
49						ORG 0x0400
50	0148	512	1024	0400		Clear
51	842C	513	1026	0402		Dec
52	3C0A	514	1028	0404		Store NegOne
53	896D	515	1030	0406		Inc
54	8B37	516	1032	0408		Inc
55	3C0C	517	1034	040A		Store One
56	800A	518	1036	040C		Add NegOne
57	3C0E	519	1038	040E		Store Zero
58	7C0A	520	1040	0410		<u>Subt</u> NegOne
59	3C10	521	1042	0412		Store One2
60	0233	522	1044	0414		Clear
61	3C12	523	1046	0416		Store One3
62	7812	524	1048	0418		IncM One3
63	8C12	525	1050	041A		Load One3
64	3C14	526	1052	041C		Store Zero2
65	7414	527	1054	041E		DecM Zero2

66	57FF	528	1056	0420	LoadIL	0xFFFF
67	FFFF	529	1058	0422		
68	3C16	530	1060	0424	Store	NegOne2
69	7001	531	1062	0426	AddI	1
70	3C18	532	1064	0428	Store	Zero3
71	73FF	533	1066	042A	AddI	0x03FF
72	3C1A	534	1068	042C	Store	NegOne3
73	02C6	535	1070	042E	Clear	
74	8453	536	1072	0430	Dec	
75	856E	537	1074	0432	Dec	
76	3C1C	538	1076	0434	Store	NegTwo
77	301E	539	1078	0436	StoreN	SP
78	0146	540	1080	0438	Clear	
79	5BFE	541	1082	043A	AddL	0xFFFFE
80	FFFE	542	1084	043C		
81	3C20	543	1086	043E	Store	NegTwo2
82	0361	544	1088	0440	Clear	
83	5C22	545	1090	0442	AddDec	Count
84	5C22	546	1092	0444	AddDec	Count
85	5C22	547	1094	0446	AddDec	Count
86	3C24	548	1096	0448	Store	Count2
87	0255	549	1098	044A	Clear	
88	6026	550	1100	044C	AddInc	Count3
89	6026	551	1102	044E	AddInc	Count3
90	6026	552	1104	0450	AddInc	Count3
91	3C28	553	1106	0452	Store	Count4
92	0289	554	1108	0454	Clear	
93	482A	555	1110	0456	AddNInc	ArrInPtr
94	302E	556	1112	0458	StoreN	ArrOutPtr
95	782E	557	1114	045A	IncM	ArrOutPtr
96	782E	558	1116	045C	IncM	ArrOutPtr
97	482A	559	1118	045E	AddNInc	ArrInPtr
98	302E	560	1120	0460	StoreN	ArrOutPtr
99	782E	561	1122	0462	IncM	ArrOutPtr
100	782E	562	1124	0464	IncM	ArrOutPtr
101	482A	563	1126	0466	AddNInc	ArrInPtr
102	302E	564	1128	0468	StoreN	ArrOutPtr
103	782E	565	1130	046A	IncM	ArrOutPtr
104	782E	566	1132	046C	IncM	ArrOutPtr
105	3C42	567	1134	046E	Store	Arr3
106	742A	568	1136	0470	DecM	ArrInPtr
107	742A	569	1138	0472	DecM	ArrInPtr
108	3C44	570	1140	0474	Store	Arr3_2
109	442A	571	1142	0476	AddNDec	ArrInPtr
110	302E	572	1144	0478	StoreN	ArrOutPtr
111	782E	573	1146	047A	IncM	ArrOutPtr
112	782E	574	1148	047C	IncM	ArrOutPtr
113	442A	575	1150	047E	AddNDec	ArrInPtr
114	302E	576	1152	0480	StoreN	ArrOutPtr
115	782E	577	1154	0482	IncM	ArrOutPtr
116	782E	578	1156	0484	IncM	ArrOutPtr
117	442A	579	1158	0486	AddNDec	ArrInPtr
118	302E	580	1160	0488	StoreN	ArrOutPtr
119	3C46	581	1162	048A	Store	Arr6
120	00D9	582	1164	048C	Clear	
121	43FE	583	1166	048E	AddDisp	-2, ArrIn1Ptr
122	802C	584	1168	0490		
123	4000	585	1170	0492	AddDisp	0, ArrIn1Ptr
124	802C	586	1172	0494		
125	4002	587	1174	0496	AddDisp	2, ArrIn1Ptr
126	802C	588	1176	0498		
127	3C48	589	1178	049A	Store	Arr3_3
128	8C0A	590	1180	049C	Load	NegOne
129	27FE	591	1182	049E	Push	0x03FE
130	8C0E	592	1184	04A0	Load	Zero

131	27FE	593	1186	04A2		Push	0x03FE
132	8C0C	594	1188	04A4		Load	One
133	27FE	595	1190	04A6		Push	0x03FE
134	2BFE	596	1192	04A8		Pop	0x03FE
135	3C4A	597	1194	04AA		Store	One4
136	2BFE	598	1196	04AC		Pop	0x03FE
137	3C4C	599	1198	04AE		Store	Zero4
138	2BFE	600	1200	04B0		Pop	0x03FE
139	3C4E	601	1202	04B2		Store	NegOne4
140	5062	602	1204	04B4		AddN	OnePtr
141	3C50	603	1206	04B6		Store	Zero5
142	3064	604	1208	04B8		StoreN	Zero6Ptr
143	0097	605	1210	04BA		Clear	
144	14CA	606	1212	04BC		Jump	Over
145	7010	607	1214	04BE	Over2:	AddI	16
146	3C56	608	1216	04C0		Store	Sixteen
147	0134	609	1218	04C2		Clear	
148	0FFE	610	1220	04C4		JumpSub	0x03FE, TestSub
149	0556	611	1222	04C6			
150	1506	612	1224	04C8		Jump	TestBN
151	7020	613	1226	04CA	Over:	AddI	32
152	3C54	614	1228	04CC		Store	ThirtyTwo
153	01F1	615	1230	04CE		Clear	
154	1000	616	1232	04D0		JumpN	Over2Lbl
155	00E9	617	1234	04D2	Done:	Clear	
156	85AF	618	1236	04D4		Dec	
157	8726	619	1238	04D6		Dec	
158	07FE	620	1240	04D8		JumpDisp	-2, JTbllPtr
159	8066	621	1242	04DA			
160	02C7	622	1244	04DC	JD1:	Clear	
161	0400	623	1246	04DE		JumpDisp	0, JTbllPtr
162	8066	624	1248	04E0			
163	01EB	625	1250	04E2	JD2:	Clear	
164	8859	626	1252	04E4		Inc	
165	8BF5	627	1254	04E6		Inc	
166	0402	628	1256	04E8		JumpDisp	2, JTbllPtr
167	8066	629	1258	04EA			
168	0156	630	1260	04EC	Done2:	Clear	
169	7042	631	1262	04EE		AddI	0x0042
170	3C60	632	1264	04F0		Store	Result
171	14F2	633	1266	04F2	End:	Jump	End
172	8C0C	634	1268	04F4	BNFailP:	Load	One
173	3C5A	635	1270	04F6		Store	BNResult
174	1526	636	1272	04F8		Jump	TestBZ
175	03E7	637	1274	04FA	BNFailZ:	Clear	
176	3C5A	638	1276	04FC		Store	BNResult
177	1526	639	1278	04FE		Jump	TestBZ
178	8C0A	640	1280	0500	BNFailN:	Load	NegOne
179	3C5A	641	1282	0502		Store	BNResult
180	1526	642	1284	0504		Jump	TestBZ
181	00EA	643	1286	0506	TestBN:	Clear	
182	7288	644	1288	0508		AddI	0x0288
183	3C5A	645	1290	050A		Store	BNResult
184	1BF3	646	1292	050C		BrPos	BNFailP
185	1FF5	647	1294	050E		BrZ	BNFailZ
186	200A	648	1296	0510		BrNeg	TestBZ
187	1500	649	1298	0512		Jump	BNFailN
188	8C0C	650	1300	0514	BZFailP:	Load	One
189	3C5C	651	1302	0516		Store	BZResult
190	1548	652	1304	0518		Jump	TestBP
191	021C	653	1306	051A	BZFailZ:	Clear	
192	3C5C	654	1308	051C		Store	BZResult
193	1548	655	1310	051E		Jump	TestBP
194	8C0A	656	1312	0520	BZFailN:	Load	NegOne
195	3C5C	657	1314	0522		Store	BZResult

196	1548	658	1316	0524		Jump	TestBP
197	03D2	659	1318	0526	TestBZ:	Clear	
198	7178	660	1320	0528		AddI	0x0178
199	3C5C	661	1322	052A		Store	BZResult
200	0224	662	1324	052C		Clear	
201	1BF2	663	1326	052E		BrPos	BZFailP
202	23F7	664	1328	0530		BrNeg	BZFailN
203	1C0A	665	1330	0532		BrZ	TestBP
204	151A	666	1332	0534		Jump	BZFailZ
205	8C0C	667	1334	0536	BPFailP:	Load	One
206	3C5C	668	1336	0538		Store	BZResult
207	14D2	669	1338	053A		Jump	Done
208	0030	670	1340	053C	BPFailZ:	Clear	
209	3C5C	671	1342	053E		Store	BZResult
210	14D2	672	1344	0540		Jump	Done
211	8C0A	673	1346	0542	BPFailN:	Load	NegOne
212	3C5C	674	1348	0544		Store	BZResult
213	14D2	675	1350	0546		Jump	Done
214	03D6	676	1352	0548	TestBP:	Clear	
215	7177	677	1354	054A		AddI	0x0177
216	3C5E	678	1356	054C		Store	BPResult
217	1FF6	679	1358	054E		BrZ	BPFailZ
218	23F8	680	1360	0550		BrNeg	BPFailN
219	1BBF	681	1362	0552		BrPos	Done
220	1536	682	1364	0554		Jump	BPFailP
221	7040	683	1366	0556	TestSub:	AddI	64
222	3C58	684	1368	0558		Store	SixtyFour
223	0BFE	685	1370	055A		RetSub	0x03FE
224	3C6E	686	1372	055C	JEntry1	Store	JTblVal0
225	14DC	687	1374	055E		Jump	JD1
226	3C70	688	1376	0560	JEntry2	Store	JTblVal1
227	14E2	689	1378	0562		Jump	JD2
228	3C72	690	1380	0564	JEntry3	Store	JTblVal2
229	14EC	691	1382	0566		Jump	Done2
230							
231						ORG	0x8000
232	04BE	16384	32768	8000	Over2Lbl	0x04BE	
233	1DDD	16385	32770	8002	DS	0x1DDD	
234	1DD2	16386	32772	8004	DS2	0x1DD2	
235	1CCC	16387	32774	8006	CS	0x1CCC	
236	1CC2	16388	32776	8008	CS2	0x1CC2	
237	9999	16389	32778	800A	NegOne	0x9999	
238	1111	16390	32780	800C	One	0x1111	
239	8888	16391	32782	800E	Zero	0x8888	
240	1112	16392	32784	8010	One2	0x1112	
241	1113	16393	32786	8012	One3	0x1113	
242	8882	16394	32788	8014	Zero2	0x8882	
243	9992	16395	32790	8016	NegOne2	0x9992	
244	8883	16396	32792	8018	Zero3	0x8883	
245	9993	16397	32794	801A	NegOne3	0x9993	
246	AAA1	16398	32796	801C	NegTwo	0xAAA1	
247	FFFE	16399	32798	801E	SP	0xFFFFE	
248	AAA2	16400	32800	8020	NegTwo2	0xAAA2	
249	0000	16401	32802	8022	Count	0x0000	
250	0003	16402	32804	8024	Count2	0x0003	
251	0003	16403	32806	8026	Count3	0x0003	
252	0003	16404	32808	8028	Count4	0x0003	
253	8030	16405	32810	802A	ArrInPtr	0x8030	
254	8032	16406	32812	802C	ArrIn1Ptr	0x8032	
255	8036	16407	32814	802E	ArrOutPtr	0x8036	
256	0001	16408	32816	8030	ArrIn0	0x0001	
257	0002	16409	32818	8032	ArrIn1	0x0002	
258	0003	16410	32820	8034	ArrIn2	0x0003	
259	ADD1	16411	32822	8036	ArrOut0	0xADD1	
260	ADD2	16412	32824	8038	ArrOut1	0xADD2	

261	ADD3	16413	32826	803A	ArrOut2	0xADD3
262	ADD4	16414	32828	803C	ArrOut3	0xADD4
263	ADD5	16415	32830	803E	ArrOut4	0xADD5
264	ADD6	16416	32832	8040	ArrOut5	0xADD6
265	3AEE	16417	32834	8042	Arr3	0x3AEE
266	3AE2	16418	32836	8044	Arr3_2	0x3AE2
267	6AEE	16419	32838	8046	Arr6	0x6AEE
268	3AE3	16420	32840	8048	Arr3_3	0x3AE3
269	1114	16421	32842	804A	One4	0x1114
270	8884	16422	32844	804C	Zero4	0x8884
271	9994	16423	32846	804E	NegOne4	0x9994
272	8885	16424	32848	8050	Zero5	0x8885
273	8886	16425	32850	8052	Zero6	0x8886
274	0032	16426	32852	8054	ThirtyTwo	0x0032
275	0016	16427	32854	8056	Sixteen	0x0016
276	0064	16428	32856	8058	SixtyFour	0x0064
277	BF00	16429	32858	805A	BNResult	0xBF00
278	B000	16430	32860	805C	BZResult	0xB000
279	B700	16431	32862	805E	BPResult	0xB700
280	ABCD	16432	32864	8060	Result	0xABCD
281	800C	16433	32866	8062	OnePtr	0x800C
282	8052	16434	32868	8064	Zero6Ptr	0x8052
283	806A	16435	32870	8066	JTbl1Ptr	0x806A
284	055C	16436	32872	8068	JTbl10	0x055C
285	0560	16437	32874	806A	JTbl11	0x0560
286	0564	16438	32876	806C	JTbl12	0x0564
287	F000	16439	32878	806E	JTblVal0	0xF000
288	F001	16440	32880	8070	JTblVal1	0xF001
289	F002	16441	32882	8072	JTblVal2	0xF002
290						