

TEST

TEST 10 ADD
MD-11-DOJ-A

EP-DOJ-A-DL-A
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.REM :

IDENTIFICATION

PRODUCT CODE: MAINDEC-11-DOAA TO DOLA-D
 PRODUCT NAME: FIRST LEVEL 1-12
 DATE CREATED: 17 MARCH 1970
 MAINTAINER: DIAGNOSTIC GROUP
 AUTHOR: JOHN MITTELL

THIS GROUP OF TESTS CONSIST OF:

PROCESSOR TEST	MAINDEC
TEST 1 BRANCH	11-DOAA
2 CON BRANCH	11-DOBA
3 UNARY	11-DOCA
4 UNARY AND BINARYS	11-DODA
5 ROTATE/SHIFT	11-DOEA
6 COMPARE	11-DOFA
7 COMPARE NOT	11-DOGA
8 MOVE	11-DOHA
9 BIS, BIC AND BIT	11-DOIA
10 ADD	11-DOJA
11 SUBTRACT	11-DOKA
12 JMP	11-DOLA

MAINDEC-
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1. ABSTRACT

THIS IS A GROUP OF 12 TESTS THAT INCREMENTALLY TEST AND ISOLATE SIMPLE MALFUNCTIONS OF THE PDP 11. THE TESTS SHOULD BE RUN IN THE INDICATED NUMERICAL SEQUENCE. THE SEQUENCE IS 1. BRANCH 2. CONDITIONAL BRANCH 3. UNARY 4. UNARY AND BINARYS 5. ROTATE/SHIFT 6. COMPARE (EQUALITY) 7. COMPARE (NON EQUALITY) 8. MOVE 9. BIT SET, CLEAR AND TEST 10. ADD 11. SUBTRACT 12. JUMP

THERE IS A SECOND GROUP OF TESTS FOR MORE COMPLEX MALFUNCTIONS.

2. REQUIREMENTS

2.1 EQUIPMENT

PDP-11/20 STANDARD COMPUTER

2.2 STORAGE

2.2.1 PROGRAM STORAGE - THE PROGRAMS USE ALL OF A 4KW MEMORY WITH THE EXCEPTION OF 17500 TO 17776 (WHICH IS RESERVED FOR THE BOOT AND ABSOLUTE LOADER).

3. LOADING PROCEDURE

3.1 METHOD

PROCEDURE FOR NORMAL ABSOLUTE TAPES SHOULD BE FOLLOWED.

4. STARTING PROCEDURE

4.1 CONTROL SWITCH SETTING

ALL PROGRAMS START AT ADDRESS 200.

4.2 STARTING ADDRESS OR ADDRESSES

(A) 200 = START AND RESTART ADDRESS

4.3 PROGRAM AND/OR OPERATOR ACTION

LOAD PROGRAM INTO MEMORY. (BOTTOM 4K)
SET SWITCH REGISTER TO STARTING ADDRESS. (200)
LOAD ADDRESS.
PRESS START.
THE PROGRAM WILL LOOP, AND RING A BELL AFTER A FIXED NUMBER OF ITERATIONS.

- 5. OPERATING PROCEDURE
 - 5.1 OPERATIONAL SWITCH SETTINGS
 - 5.1.1 NO SWITCHES ARE USED
 - 5.1.3
 - 5.2 SUBROUTINE ABSTRACTS
 - 5.2.1 BEGIN SA 200
 - 5.2.2 SCOPE

 IS A "NOP" THAT IS PLACED BETWEEN EACH SUBTEST
 IN THE INSTRUCTION SECTION. IF A SCOPE LOOP IS NEEDED,
 INSERT A BRANCH TO THE PREVIOUS SCOPE LOCATION
 AT THE CURRENT SCOPE LOCATION. (NOTE NOP=240)
 - 5.2.3 HLT

 INDICATES THE UNIQUE ADDRESS THAT TAGS THE
 FAILING SUBTEST. THE INCORRECT DATA AT THE
 TIME OF THE FAILURE MAY OR MAY NOT BE
 DISPLAYED IN REGISTER ZERO, WHICH IS THE DATA
 REGISTER ON A HALT.
 - 5.3 PROGRAM AND/OR OPERATOR ACTION
 - 5.3.1 LOADING AND STARTING AT 200 STARTS THE TEST. IF
 AN ERROR IS DETECTED, THERE WILL BE A HALT.
 WHEN A HALT OCCURS AND IT IS NECESSARY TO SCOPE CN
 IT, PLACE INSERT A BRANCH INSTRUCTION IN THE
 SCOPE LOCATION FOLLOWING THE HALT. THE BRANCH
 INSTRUCTION SHOULD BRANCH YOU TO THE PREVIOUS
 SCOPE LOCATION.
- 6. ERRORS
 - 6.1 ALL ERRORS WILL CAUSE A HALT.
 - 6.2 ERROR RECOVERY
 ON TRAP ERRORS - RESTART AT 200.
 DEPRESS CONTINUE TO CONTINUE TEST
- 7. RESTRICTIONS
 - 7.1 STARTING RESTRICTION
 NONE

EO1

MAIN. MACY11 27:732) 01-OCT-76 10:34 PAGE 5
DOJA.P11

161
162
163

7.2 OPERATIONAL RESTRICTION
NONE

GO1

MAIN. MPOY11 27.732' 01-OCT-75 10:34 PAGE 7
SOJA.P11

020
021
022

EQUALITY. ALL CONDITIONAL BRANCHES THAT WILL
BRANCH ON ANY FORM OF EQUALITY ARE ALSO TESTED.
BOTH WORD AND BYTE OPERATIONS ARE USED.

255
254
253
252
251
250
249
248

000200
000000
000240

%

:TEST 10
:TEST ADD INSTRUCTION PDP11
.=200
HLT=HALT
SCOPE=240

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259
260          :TEST ADD INSTRUCTION
261
262 000200 000240          SCOPE
263 000202 012700 000000  MOV      #0,%0          ;MOVE 0 TO REGISTER ZERO
264 000206 062700 000000  ADD      #0,%0          ;ADD 0 TO 0
265 000212 022700 000000  CMP      #0+0,%0       ;DOES REGISTER ZERO=0+0
266 000216 001401          BEQ      .+4
267 000220 000000          HLT
268 000222 000240          SCOPE
269 000224 012700 177777  MOV      #177777,%0     ;MOVE 177777 TO REGISTER ZERO
270 000230 062700 177777  ADD      #-1,%0         ;ADD -1 TO 177777
271 000234 022700 177776  CMP      #-1+177777,%0 ;DOES REGISTER ZERO=-1+177777
272 000240 001401          BEQ      .+4
273 000242 000000          HLT
274          :ADD -1 TO 177777 FAILED
275
276 000244 000001          N=1
277 000246 000240          SCOPE
278 000252 012700 177777  MOV      #177777,%0     ;MOVE 177777 TO REGISTER ZERO
279 000256 062700 000001  ADD      #1,%0         ;ADD 1 TO 177777
280 000262 022700 000000  CMP      #1+177777,%0  ;DOES REGISTER ZERO=1+177777
281 000264 001401          BEQ      .+4
282          :ADD 1 TO 177777 FAILED
283
284 000266 000002          N=N+N
285 000270 000240          SCOPE
286 000274 012700 177777  MOV      #177777,%0     ;MOVE 177777 TO REGISTER ZERO
287 000300 062700 000002  ADD      #2,%0         ;ADD 2 TO 177777
288 000304 022700 000001  CMP      #2+177777,%0  ;DOES REGISTER ZERO=2+177777
289 000306 001401          BEQ      .+4
290          :ADD 2 TO 177777 FAILED
291
292 000310 000004          N=N+N
293 000312 000240          SCOPE
294 000316 012700 177777  MOV      #177777,%0     ;MOVE 177777 TO REGISTER ZERO
295 000322 062700 000004  ADD      #4,%0         ;ADD 4 TO 177777
296 000326 022700 000003  CMP      #4+177777,%0  ;DOES REGISTER ZERO=4+177777
297 000330 001401          BEQ      .+4
298          :ADD 4 TO 177777 FAILED
299
300 000332 000010          N=N+N
301 000334 000240          SCOPE
302 000338 012700 177777  MOV      #177777,%0     ;MOVE 177777 TO REGISTER ZERO
303 000342 062700 000010  ADD      #10,%0        ;ADD 10 TO 177777
304 000346 022700 000007  CMP      #10+177777,%0 ;DOES REGISTER ZERO=10+177777
305 000350 001401          BEQ      .+4
306          :ADD 10 TO 177777 FAILED
307
308 000352 000020          N=N+N
309 000354 000240          SCOPE
310 000358 012700 177777  MOV      #177777,%0     ;MOVE 177777 TO REGISTER ZERO
311 000362 062700 000020  ADD      #20,%0        ;ADD 20 TO 177777
312 000366 022700 000017  CMP      #20+177777,%0 ;DOES REGISTER ZERO=20+177777
313 000372 001401          BEQ      .+4
314          :ADD 20 TO 177777 FAILED
315
316 000374 000040          N=N+N
317 000376 000240          SCOPE
318 000380 012700 177777  MOV      #177777,%0     ;MOVE 177777 TO REGISTER ZERO
319 000384 062700 000040  ADD      #40,%0        ;ADD 40 TO 177777
320 000388 022700 000037  CMP      #40+177777,%0 ;DOES REGISTER ZERO=40+177777
    
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K01

315	000414	001401		BEQ	.+4	
316	000416	000000		HLT		;ADD 40 TO 177777 FAILED
317		000100		N=N+N		
318	000420	000240		SCOPE		
319	000422	012700	177777	MOV	#177777,%0	;MOVE 177777 TO REGISTER ZERO
320	000426	062700	000100	ADD	#100,%0	;ADD 100 TO 177777
321	000432	022700	000077	CMP	#100+177777,%0	;DOES REGISTER ZERO=100+177777
322	000436	001401		BEQ	.+4	
323	000440	000000		HLT		;ADD 100 TO 177777 FAILED
324		000200		N=N+N		
325	000442	000240		SCOPE		
326	000444	012700	177777	MOV	#177777,%0	;MOVE 177777 TO REGISTER ZERO
327	000450	062700	000200	ADD	#200,%0	;ADD 200 TO 177777
328	000454	022700	000177	CMP	#200+177777,%0	;DOES REGISTER ZERO=200+177777
329	000460	001401		BEQ	.+4	
330	000462	000000		HLT		;ADD 200 TO 177777 FAILED
331		000400		N=N+N		
332	000464	000240		SCOPE		
333	000466	012700	177777	MOV	#177777,%0	;MOVE 177777 TO REGISTER ZERO
334	000472	062700	000400	ADD	#400,%0	;ADD 400 TO 177777
335	000476	022700	000377	CMP	#400+177777,%0	;DOES REGISTER ZERO=400+177777
336	000502	001401		BEQ	.+4	
337	000504	000000		HLT		;ADD 400 TO 177777 FAILED
338		001000		N=N+N		
339	000506	000240		SCOPE		
340	000510	012700	177777	MOV	#177777,%0	;MOVE 177777 TO REGISTER ZERO
341	000514	062700	001000	ADD	#1000,%0	;ADD 1000 TO 177777
342	000520	022700	000777	CMP	#1000+177777,%0	;DOES REGISTER ZERO=1000+177777
343	000524	001401		BEQ	.+4	
344	000526	000000		HLT		;ADD 1000 TO 177777 FAILED
345		002000		N=N+N		
346	000530	000240		SCOPE		
347	000532	012700	177777	MOV	#177777,%0	;MOVE 177777 TO REGISTER ZERO
348	000536	062700	002000	ADD	#2000,%0	;ADD 2000 TO 177777
349	000542	022700	001777	CMP	#2000+177777,%0	;DOES REGISTER ZERO=2000+177777
350	000546	001401		BEQ	.+4	
351	000550	000000		HLT		;ADD 2000 TO 177777 FAILED
352		004000		N=N+N		
353	000552	000240		SCOPE		
354	000554	012700	177777	MOV	#177777,%0	;MOVE 177777 TO REGISTER ZERO
355	000560	062700	004000	ADD	#4000,%0	;ADD 4000 TO 177777
356	000564	022700	003777	CMP	#4000+177777,%0	;DOES REGISTER ZERO=4000+177777
357	000570	001401		BEQ	.+4	
358	000572	000000		HLT		;ADD 4000 TO 177777 FAILED
359		010000		N=N+N		
360	000574	000240		SCOPE		
361	000576	012700	177777	MOV	#177777,%0	;MOVE 177777 TO REGISTER ZERO
362	000602	062700	010000	ADD	#10000,%0	;ADD 10000 TO 177777
363	000606	022700	007777	CMP	#10000+177777,%0	;DOES REGISTER ZERO=10000+177777
364	000612	001401		BEQ	.+4	
365	000614	000000		HLT		;ADD 10000 TO 177777 FAILED
366		020000		N=N+N		
367	000616	000240		SCOPE		
368	000620	012700	177777	MOV	#177777,%0	;MOVE 177777 TO REGISTER ZERO
369	000624	062700	020000	ADD	#20000,%0	;ADD 20000 TO 177777
370	000630	022700	017777	CMP	#20000+177777,%0	;DOES REGISTER ZERO=20000+177777

371	000634	001401		BEQ	.+4	
372	000636	000000		HLT		;ADD 20000 TO 177777 FAILED
373		040000		N=N+N		
374	000640	000240		SCOPE		
375	000642	012700	177777	MOV	#177777,%0	;MOVE 177777 TO REGISTER ZERO
376	000646	062700	040000	ADD	#40000,%0	;ADD 40000 TO 177777
377	000652	022700	037777	CMP	#40000+177777,%0	;DOES REGISTER ZERO=40000+177777
378	000656	001401		BEQ	.+4	
379	000660	000000		HLT		;ADD 40000 TO 177777 FAILED
380		100000		N=N+N		
381	000662	000240		SCOPE		
382	000664	012700	177777	MOV	#177777,%0	;MOVE 177777 TO REGISTER ZERO
383	000670	062700	100000	ADD	#100000,%0	;ADD 100000 TO 177777
384	000674	022700	077777	CMP	#100000+177777,%0	;DOES REGISTER ZERO=100000+177777
385	000700	001401		BEQ	.+4	
386	000732	000000		HLT		;ADD 100000 TO 177777 FAILED
387		000000		N=N+N		
388						
389		000001		N=1		
390	000704	000240		SCOPE		
391	000706	012700	000001	MOV	#1,%0	;MOVE 1 TO REGISTER ZERO
392	000712	062700	177777	ADD	#-1,%0	;ADD -1 TO 1
393	000716	022700	000000	CMP	#-1+1,%0	;DOES REGISTER ZERO=-1+1
394	000722	001401		BEQ	.+4	
395	000724	000000		HLT		;ADD -1 TO 1 FAILED
396		000002		N=N+N		
397	000726	000240		SCOPE		
398	000730	012700	000002	MOV	#2,%0	;MOVE 2 TO REGISTER ZERO
399	000734	062700	177777	ADD	#-1,%0	;ADD -1 TO 2
400	000740	022700	000001	CMP	#-1+2,%0	;DOES REGISTER ZERO=-1+2
401	000744	001401		BEQ	.+4	
402	000746	000000		HLT		;ADD -1 TO 2 FAILED
403		000004		N=N+N		
404	000750	000240		SCOPE		
405	000752	012700	000004	MOV	#4,%0	;MOVE 4 TO REGISTER ZERO
406	000756	062700	177777	ADD	#-1,%0	;ADD -1 TO 4
407	000762	022700	000003	CMP	#-1+4,%0	;DOES REGISTER ZERO=-1+4
408	000766	001401		BEQ	.+4	
409	000770	000000		HLT		;ADD -1 TO 4 FAILED
410		000010		N=N+N		
411	000772	000240		SCOPE		
412	000774	012700	000010	MOV	#10,%0	;MOVE 10 TO REGISTER ZERO
413	001000	062700	177777	ADD	#-1,%0	;ADD -1 TO 10
414	001004	022700	000007	CMP	#-1+10,%0	;DOES REGISTER ZERO=-1+10
415	001010	001401		BEQ	.+4	
416	001012	000000		HLT		;ADD -1 TO 10 FAILED
417		000020		N=N+N		
418	001014	000240		SCOPE		
419	001016	012700	000020	MOV	#20,%0	;MOVE 20 TO REGISTER ZERO
420	001022	062700	177777	ADD	#-1,%0	;ADD -1 TO 20
421	001026	022700	000017	CMP	#-1+20,%0	;DOES REGISTER ZERO=-1+20
422	001032	001401		BEQ	.+4	
423	001034	000000		HLT		;ADD -1 TO 20 FAILED
424		000040		N=N+N		
425	001036	000240		SCOPE		
426	001040	012700	000040	MOV	#40,%0	;MOVE 40 TO REGISTER ZERO

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427	001044	062700	177777	ADD	#-1,%0	;ADD -1 TO 40
428	001050	022700	000037	CMP	#-1+40,%0	;DOES REGISTER ZERO=-1+40
429	001054	001401		BEQ	+.4	
430	001056	000000		HLT		;ADD -1 TO 40 FAILED
431		000100		N=N+N		
432	001060	000240		SCOPE		
433	001062	012700	000100	MOV	#100,%0	;MOVE 100 TO REGISTER ZERO
434	001066	062700	177777	ADD	#-1,%0	;ADD -1 TO 100
435	001072	022700	000077	CMP	#-1+100,%0	;DOES REGISTER ZERO=-1+100
436	001076	001401		BEQ	+.4	
437	001100	000000		HLT		;ADD -1 TO 100 FAILED
438		000200		N=N+N		
439	001102	000240		SCOPE		
440	001104	012700	000200	MOV	#200,%0	;MOVE 200 TO REGISTER ZERO
441	001110	062700	177777	ADD	#-1,%0	;ADD -1 TO 200
442	001114	022700	000177	CMP	#-1+200,%0	;DOES REGISTER ZERO=-1+200
443	001120	001401		BEQ	+.4	
444	001122	000000		HLT		;ADD -1 TO 200 FAILED
445		000400		N=N+N		
446	001124	000240		SCOPE		
447	001126	012700	000400	MOV	#400,%0	;MOVE 400 TO REGISTER ZERO
448	001132	062700	177777	ADD	#-1,%0	;ADD -1 TO 400
449	001136	022700	000377	CMP	#-1+400,%0	;DOES REGISTER ZERO=-1+400
450	001142	001401		BEQ	+.4	
451	001144	000000		HLT		;ADD -1 TO 400 FAILED
452		001000		N=N+N		
453	001146	000240		SCOPE		
454	001150	012700	001000	MOV	#1000,%0	;MOVE 1000 TO REGISTER ZERO
455	001154	062700	177777	ADD	#-1,%0	;ADD -1 TO 1000
456	001160	022700	000777	CMP	#-1+1000,%0	;DOES REGISTER ZERO=-1+1000
457	001164	001401		BEQ	+.4	
458	001166	000000		HLT		;ADD -1 TO 1000 FAILED
459		002000		N=N+N		
460	001170	000240		SCOPE		
461	001172	012700	002000	MOV	#2000,%0	;MOVE 2000 TO REGISTER ZERO
462	001176	062700	177777	ADD	#-1,%0	;ADD -1 TO 2000
463	001202	022700	001777	CMP	#-1+2000,%0	;DOES REGISTER ZERO=-1+2000
464	001206	001401		BEQ	+.4	
465	001210	000000		HLT		;ADD -1 TO 2000 FAILED
466		004000		N=N+N		
467	001212	000240		SCOPE		
468	001214	012700	004000	MOV	#4000,%0	;MOVE 4000 TO REGISTER ZERO
469	001220	062700	177777	ADD	#-1,%0	;ADD -1 TO 4000
470	001224	022700	003777	CMP	#-1+4000,%0	;DOES REGISTER ZERO=-1+4000
471	001230	001401		BEQ	+.4	
472	001232	000000		HLT		;ADD -1 TO 4000 FAILED
473		010000		N=N+N		
474	001234	000240		SCOPE		
475	001236	012700	010000	MOV	#10000,%0	;MOVE 10000 TO REGISTER ZERO
476	001242	062700	177777	ADD	#-1,%0	;ADD -1 TO 10000
477	001246	022700	007777	CMP	#-1+10000,%0	;DOES REGISTER ZERO=-1+10000
478	001252	001401		BEQ	+.4	
479	001254	000000		HLT		;ADD -1 TO 10000 FAILED
480		020000		N=N+N		
481	001256	000240		SCOPE		
482	001260	012700	020000	MOV	#20000,%0	;MOVE 20000 TO REGISTER ZERO

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483	001264	062700	177777	ADD	#-1,%0	;ADD -1 TO 20000
484	001270	022700	017777	CMP	#-1+20000,%0	;DOES REGISTER ZERO=-1+20000
485	001274	001401		BEQ	+.4	
486	001276	000000		HLT		;ADD -1 TO 20000 FAILED
487		040000		N=N+N		
488	001300	000240		SCOPE		
489	001302	012700	040000	MOV	#40000,%0	;MOVE 40000 TO REGISTER ZERO
490	001306	062700	177777	ADD	#-1,%0	;ADD -1 TO 40000
491	001312	022700	037777	CMP	#-1+40000,%0	;DOES REGISTER ZERO=-1+40000
492	001316	001401		BEQ	+.4	
493	001320	000000		HLT		;ADD -1 TO 40000 FAILED
494		100000		N=N+N		
495	001322	000240		SCOPE		
496	001324	012700	100000	MOV	#100000,%0	;MOVE 100000 TO REGISTER ZERO
497	001330	062700	177777	ADD	#-1,%0	;ADD -1 TO 100000
498	001334	022700	077777	CMP	#-1+100000,%0	;DOES REGISTER ZERO=-1+100000
499	001340	001401		BEQ	+.4	
500	001342	000000		HLT		;ADD -1 TO 100000 FAILED
501		000000		N=N+N		
502		000001		N=1		
503		000001		SCOPE		
504	001344	000240		MOV	#1,%0	;MOVE 1 TO REGISTER ZERO
505	001346	012700	000001	ADD	#0,%0	;ADD 0 TO 1
506	001352	062700	000000	CMP	#0+1,%0	;DOES REGISTER ZERO=0+1
507	001356	022700	000001	BEQ	+.4	
508	001362	001401		HLT		;ADD 0 TO 1 FAILED
509	001364	000000		N=N+N		
510		000002		SCOPE		
511	001366	000240		MOV	#2,%0	;MOVE 2 TO REGISTER ZERO
512	001370	012700	000002	ADD	#0,%0	;ADD 0 TO 2
513	001374	062700	000000	CMP	#0+2,%0	;DOES REGISTER ZERO=0+2
514	001400	022700	000002	BEQ	+.4	
515	001404	001401		HLT		;ADD 0 TO 2 FAILED
516	001406	000000		N=N+N		
517		000004		SCOPE		
518	001410	000240		MOV	#4,%0	;MOVE 4 TO REGISTER ZERO
519	001412	012700	000004	ADD	#0,%0	;ADD 0 TO 4
520	001416	062700	000000	CMP	#0+4,%0	;DOES REGISTER ZERO=0+4
521	001422	022700	000004	BEQ	+.4	
522	001426	001401		HLT		;ADD 0 TO 4 FAILED
523	001430	000000		N=N+N		
524		000010		SCOPE		
525	001432	000240		MOV	#10,%0	;MOVE 10 TO REGISTER ZERO
526	001434	012700	000010	ADD	#0,%0	;ADD 0 TO 10
527	001440	062700	000000	CMP	#0+10,%0	;DOES REGISTER ZERO=0+10
528	001444	022700	000010	BEQ	+.4	
529	001450	001401		HLT		;ADD 0 TO 10 FAILED
530	001452	000000		N=N+N		
531		000020		SCOPE		
532	001454	000240		MOV	#20,%0	;MOVE 20 TO REGISTER ZERO
533	001456	012700	000020	ADD	#0,%0	;ADD 0 TO 20
534	001462	062700	000000	CMP	#0+20,%0	;DOES REGISTER ZERO=0+20
535	001466	022700	000020	BEQ	+.4	
536	001472	001401		HLT		;ADD 0 TO 20 FAILED
537	001474	000000		N=N+N		
538		000040		SCOPE		

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001516 000000 000000 000040  SCOPE
001518 000000 000000 000040  MOV #40,%0 ;MOVE 40 TO REGISTER ZERO
001520 000000 000000 000040  ADD #0,%0 ;ADD 0 TO 40
001522 000000 000000 000040  CMP #0+40,%0 ;DOES REGISTER ZERO=0+40
001524 000000 000000 000040  BEQ .+4
001526 000000 000000 000040  HLT ;ADD 0 TO 40 FAILED
001528 000000 000000 000000  N=N+N
001530 000000 000000 000100  SCOPE
001532 000000 000000 000100  MOV #100,%0 ;MOVE 100 TO REGISTER ZERO
001534 000000 000000 000100  ADD #0,%0 ;ADD 0 TO 100
001536 000000 000000 000100  CMP #0+100,%0 ;DOES REGISTER ZERO=0+100
001538 000000 000000 000100  BEQ .+4
001540 000000 000000 000100  HLT ;ADD 0 TO 100 FAILED
001542 000000 000000 000200  N=N+N
001544 000000 000200 000200  SCOPE
001546 000000 000200 000200  MOV #200,%0 ;MOVE 200 TO REGISTER ZERO
001548 000000 000200 000200  ADD #0,%0 ;ADD 0 TO 200
001550 000000 000200 000200  CMP #0+200,%0 ;DOES REGISTER ZERO=0+200
001552 000000 000200 000200  BEQ .+4
001554 000000 000200 000200  HLT ;ADD 0 TO 200 FAILED
001556 000000 000240 000400  N=N+N
001558 000000 000240 000400  SCOPE
001560 000000 000240 000400  MOV #400,%0 ;MOVE 400 TO REGISTER ZERO
001562 000000 000240 000400  ADD #0,%0 ;ADD 0 TO 400
001564 000000 000240 000400  CMP #0+400,%0 ;DOES REGISTER ZERO=0+400
001566 000000 000240 000400  BEQ .+4
001568 000000 000240 000400  HLT ;ADD 0 TO 400 FAILED
001570 000000 001000 001000  N=N+N
001572 000000 001000 001000  SCOPE
001574 000000 001000 001000  MOV #1000,%0 ;MOVE 1000 TO REGISTER ZERO
001576 000000 001000 001000  ADD #0,%0 ;ADD 0 TO 1000
001578 000000 001000 001000  CMP #0+1000,%0 ;DOES REGISTER ZERO=0+1000
001580 000000 001000 001000  BEQ .+4
001582 000000 001000 001000  HLT ;ADD 0 TO 1000 FAILED
001584 000000 002000 002000  N=N+N
001586 000000 002000 002000  SCOPE
001588 000000 002000 002000  MOV #2000,%0 ;MOVE 2000 TO REGISTER ZERO
001590 000000 002000 002000  ADD #0,%0 ;ADD 0 TO 2000
001592 000000 002000 002000  CMP #0+2000,%0 ;DOES REGISTER ZERO=0+2000
001594 000000 002000 002000  BEQ .+4
001596 000000 002000 002000  HLT ;ADD 0 TO 2000 FAILED
001598 000000 004000 004000  N=N+N
001600 000000 004000 004000  SCOPE
001602 000000 004000 004000  MOV #4000,%0 ;MOVE 4000 TO REGISTER ZERO
001604 000000 004000 004000  ADD #0,%0 ;ADD 0 TO 4000
001606 000000 004000 004000  CMP #0+4000,%0 ;DOES REGISTER ZERO=0+4000
001608 000000 004000 004000  BEQ .+4
001610 000000 004000 004000  HLT ;ADD 0 TO 4000 FAILED
001612 000000 010000 010000  N=N+N
001614 000000 010000 010000  SCOPE
001616 000000 010000 010000  MOV #10000,%0 ;MOVE 10000 TO REGISTER ZERO
001618 000000 010000 010000  ADD #0,%0 ;ADD 0 TO 10000
001620 000000 010000 010000  CMP #0+10000,%0 ;DOES REGISTER ZERO=0+10000
001622 000000 010000 010000  BEQ .+4
001624 000000 010000 010000  HLT ;ADD 0 TO 10000 FAILED
001626 000000 020000 020000  N=N+N
001628 000000 020000 020000  SCOPE
001630 000000 020000 020000  MOV #20000,%0 ;MOVE 20000 TO REGISTER ZERO
001632 000000 020000 020000  ADD #0,%0 ;ADD 0 TO 20000
001634 000000 020000 020000  CMP #0+20000,%0 ;DOES REGISTER ZERO=0+20000
001636 000000 020000 020000  BEQ .+4
001638 000000 020000 020000  HLT ;ADD 0 TO 20000 FAILED
001640 000000 004000 004000  N=N+N
001642 000000 004000 004000  SCOPE
001644 000000 004000 004000  MOV #40000,%0 ;MOVE 40000 TO REGISTER ZERO
001646 000000 004000 004000  ADD #0,%0 ;ADD 0 TO 40000
001648 000000 004000 004000  CMP #0+40000,%0 ;DOES REGISTER ZERO=0+40000
001650 000000 004000 004000  BEQ .+4
001652 000000 004000 004000  HLT ;ADD 0 TO 40000 FAILED
001654 000000 010000 010000  N=N+N
001656 000000 010000 010000  SCOPE
001658 000000 010000 010000  MOV #100000,%0 ;MOVE 100000 TO REGISTER ZERO
001660 000000 010000 010000  ADD #0,%0 ;ADD 0 TO 100000
001662 000000 010000 010000  CMP #0+100000,%0 ;DOES REGISTER ZERO=0+100000
001664 000000 010000 010000  BEQ .+4
001666 000000 010000 010000  HLT ;ADD 0 TO 100000 FAILED
001668 000000 020000 020000  N=N+N

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001716	000240		SCOPE		
001720	012700	020000	MOV	#20000,%0	;MOVE 20000 TO REGISTER ZERO
001724	062700	000000	ADD	#0,%0	;ADD 0 TO 20000
001730	022700	020000	CMP	#0+20000,%0	;DOES REGISTER ZERO=0+20000
001734	001401		BEQ	.+4	
001736	000000		HLT		;ADD 0 TO 20000 FAILED
	040000		N=N+N		
001740	000240		SCOPE		
001742	012700	040000	MOV	#40000,%0	;MOVE 40000 TO REGISTER ZERO
001746	062700	000000	ADD	#0,%0	;ADD 0 TO 40000
001752	022700	040000	CMP	#0+40000,%0	;DOES REGISTER ZERO=0+40000
001756	001401		BEQ	.+4	
001760	000000		HLT		;ADD 0 TO 40000 FAILED
	100000		N=N+N		
001762	000240		SCOPE		
001764	012700	100000	MOV	#100000,%0	;MOVE 100000 TO REGISTER ZERO
001770	062700	000000	ADD	#0,%0	;ADD 0 TO 100000
001774	022700	100000	CMP	#0+100000,%0	;DOES REGISTER ZERO=0+100000
002000	001401		BEQ	.+4	
002002	000000		HLT		;ADD 0 TO 100000 FAILED
	000000		N=N+N		
	000001		N=1		

618	002004	000240		SCOPE		
619	002006	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
620	002012	062700	000001	ADD	#1,%0	;ADD 1 TO 0
621	002016	022700	000001	CMP	#1+0,%0	;DOES REGISTER ZERO=1+0
622	002022	001401		BEQ	+.4	
623	002024	000000		HLT		;ADD 1 TO 0 FAILED
624		000002		N=N+N		
625	002026	000240		SCOPE		
626	002030	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
627	002034	062700	000002	ADD	#2,%0	;ADD 2 TO 0
628	002040	022700	000002	CMP	#2+0,%0	;DOES REGISTER ZERO=2+0
629	002044	001401		BEQ	+.4	
630	002046	000000		HLT		;ADD 2 TO 0 FAILED
631		000004		N=N+N		
632	002050	000240		SCOPE		
633	002052	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
634	002056	062700	000004	ADD	#4,%0	;ADD 4 TO 0
635	002062	022700	000004	CMP	#4+0,%0	;DOES REGISTER ZERO=4+0
636	002066	001401		BEQ	+.4	
637	002070	000000		HLT		;ADD 4 TO 0 FAILED
638		000010		N=N+N		
639	002072	000240		SCOPE		
640	002074	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
641	002100	062700	000010	ADD	#10,%0	;ADD 10 TO 0
642	002104	022700	000010	CMP	#10+0,%0	;DOES REGISTER ZERO=10+0
643	002110	001401		BEQ	+.4	
644	002112	000000		HLT		;ADD 10 TO 0 FAILED
645		000020		N=N+N		
646	002114	000240		SCOPE		
647	002116	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
648	002122	062700	000020	ADD	#20,%0	;ADD 20 TO 0
649	002126	022700	000020	CMP	#20+0,%0	;DOES REGISTER ZERO=20+0
650	002132	001401		BEQ	+.4	
651	002134	000000		HLT		;ADD 20 TO 0 FAILED
652		000040		N=N+N		
653	002136	000240		SCOPE		
654	002140	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
655	002144	062700	000040	ADD	#40,%0	;ADD 40 TO 0
656	002150	022700	000040	CMP	#40+0,%0	;DOES REGISTER ZERO=40+0
657	002154	001401		BEQ	+.4	
658	002156	000000		HLT		;ADD 40 TO 0 FAILED
659		000100		N=N+N		
660	002160	000240		SCOPE		
661	002162	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
662	002166	062700	000100	ADD	#100,%0	;ADD 100 TO 0
663	002172	022700	000100	CMP	#100+0,%0	;DOES REGISTER ZERO=100+0
664	002176	001401		BEQ	+.4	
665	002200	000000		HLT		;ADD 100 TO 0 FAILED
666		000200		N=N+N		
667	002202	000240		SCOPE		
668	002204	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
669	002210	062700	000200	ADD	#200,%0	;ADD 200 TO 0
670	002214	022700	000200	CMP	#200+0,%0	;DOES REGISTER ZERO=200+0
671	002220	001401		BEQ	+.4	
672	002222	000000		HLT		;ADD 200 TO 0 FAILED
673		000400		N=N+N		

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674	002224	000240		SCOPE		
675	002226	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
676	002232	062700	000400	ADD	#400,%0	;ADD 400 TO 0
677	002236	022700	000400	CMP	#400+0,%0	;DOES REGISTER ZERO=400+0
678	002242	001401		BEQ	.+4	
679	002244	000000		HLT		;ADD 400 TO 0 FAILED
680		001000		N=N+N		
681	002246	000240		SCOPE		
682	002250	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
683	002254	062700	001000	ADD	#1000,%0	;ADD 1000 TO 0
684	002260	022700	001000	CMP	#1000+0,%0	;DOES REGISTER ZERO=1000+0
685	002264	001401		BEQ	.+4	
686	002266	000000		HLT		;ADD 1000 TO 0 FAILED
687		002000		N=N+N		
688	002270	000240		SCOPE		
689	002272	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
690	002276	062700	002000	ADD	#2000,%0	;ADD 2000 TO 0
691	002302	022700	002000	CMP	#2000+0,%0	;DOES REGISTER ZERO=2000+0
692	002306	001401		BEQ	.+4	
693	002310	000000		HLT		;ADD 2000 TO 0 FAILED
694		004000		N=N+N		
695	002312	000240		SCOPE		
696	002314	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
697	002320	062700	004000	ADD	#4000,%0	;ADD 4000 TO 0
698	002324	022700	004000	CMP	#4000+0,%0	;DOES REGISTER ZERO=4000+0
699	002330	001401		BEQ	.+4	
700	002332	000000		HLT		;ADD 4000 TO 0 FAILED
701		010000		N=N+N		
702	002334	000240		SCOPE		
703	002336	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
704	002342	062700	010000	ADD	#10000,%0	;ADD 10000 TO 0
705	002346	022700	010000	CMP	#10000+0,%0	;DOES REGISTER ZERO=10000+0
706	002352	001401		BEQ	.+4	
707	002354	000000		HLT		;ADD 10000 TO 0 FAILED
708		020000		N=N+N		
709	002356	000240		SCOPE		
710	002360	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
711	002364	062700	020000	ADD	#20000,%0	;ADD 20000 TO 0
712	002370	022700	020000	CMP	#20000+0,%0	;DOES REGISTER ZERO=20000+0
713	002374	001401		BEQ	.+4	
714	002376	000000		HLT		;ADD 20000 TO 0 FAILED
715		040000		N=N+N		
716	002400	000240		SCOPE		
717	002402	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
718	002406	062700	040000	ADD	#40000,%0	;ADD 40000 TO 0
719	002412	022700	040000	CMP	#40000+0,%0	;DOES REGISTER ZERO=40000+0
720	002416	001401		BEQ	.+4	
721	002420	000000		HLT		;ADD 40000 TO 0 FAILED
722		100000		N=N+N		
723	002422	000240		SCOPE		
724	002424	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
725	002430	062700	100000	ADD	#100000,%0	;ADD 100000 TO 0
726	002434	022700	100000	CMP	#100000+0,%0	;DOES REGISTER ZERO=100000+0
727	002440	001401		BEQ	.+4	
728	002442	000000		HLT		;ADD 100000 TO 0 FAILED
729		000000		N=N+N		

733		000001		N=1		
734	002444	000240		SCOPE		
735	002446	012700	000001	MOV	#1,%0	;MOVE 1 TO REGISTER ZERO
736	002450	062700	000001	ADD	#1,%0	;ADD 1 TO 1
737	002456	022700	000002	CMP	#1+1,%0	;DOES REGISTER ZERO=1+1
738	002462	001401		BEQ	.+4	
739	002464	000000		HLT		;ADD 1 TO 1 FAILED
740		000002		N=N+N		
741	002466	000240		SCOPE		
742	002470	012700	000002	MOV	#2,%0	;MOVE 2 TO REGISTER ZERO
743	002474	062700	000002	ADD	#2,%0	;ADD 2 TO 2
744	002500	022700	000004	CMP	#2+2,%0	;DOES REGISTER ZERO=2+2
745	002504	001401		BEQ	.+4	
746	002506	000000		HLT		;ADD 2 TO 2 FAILED
747		000004		N=N+N		
748	002510	000240		SCOPE		
749	002512	012700	000004	MOV	#4,%0	;MOVE 4 TO REGISTER ZERO
750	002516	062700	000004	ADD	#4,%0	;ADD 4 TO 4
751	002522	022700	000010	CMP	#4+4,%0	;DOES REGISTER ZERO=4+4
752	002526	001401		BEQ	.+4	
753	002530	000000		HLT		;ADD 4 TO 4 FAILED
754		000010		N=N+N		
755	002532	000240		SCOPE		
756	002534	012700	000010	MOV	#10,%0	;MOVE 10 TO REGISTER ZERO
757	002540	062700	000010	ADD	#10,%0	;ADD 10 TO 10
758	002544	022700	000020	CMP	#10+10,%0	;DOES REGISTER ZERO=10+10
759	002550	001401		BEQ	.+4	
760	002552	000000		HLT		;ADD 10 TO 10 FAILED
761		000020		N=N+N		
762	002554	000240		SCOPE		
763	002556	012700	000020	MOV	#20,%0	;MOVE 20 TO REGISTER ZERO
764	002562	062700	000020	ADD	#20,%0	;ADD 20 TO 20
765	002566	022700	000040	CMP	#20+20,%0	;DOES REGISTER ZERO=20+20
766	002572	001401		BEQ	.+4	
767	002574	000000		HLT		;ADD 20 TO 20 FAILED
768		000040		N=N+N		
769	002576	000240		SCOPE		
770	002600	012700	000040	MOV	#40,%0	;MOVE 40 TO REGISTER ZERO
771	002604	062700	000040	ADD	#40,%0	;ADD 40 TO 40
772	002610	022700	000100	CMP	#40+40,%0	;DOES REGISTER ZERO=40+40
773	002614	001401		BEQ	.+4	
774	002616	000000		HLT		;ADD 40 TO 40 FAILED
775		000100		N=N+N		
776	002620	000240		SCOPE		
777	002622	012700	000100	MOV	#100,%0	;MOVE 100 TO REGISTER ZERO
778	002626	062700	000100	ADD	#100,%0	;ADD 100 TO 100
779	002632	022700	000200	CMP	#100+100,%0	;DOES REGISTER ZERO=100+100
780	002636	001401		BEQ	.+4	
781	002640	000000		HLT		;ADD 100 TO 100 FAILED
782		000200		N=N+N		
783	002642	000240		SCOPE		
784	002644	012700	000200	MOV	#200,%0	;MOVE 200 TO REGISTER ZERO
785	002650	062700	000200	ADD	#200,%0	;ADD 200 TO 200
786	002654	022700	000400	CMP	#200+200,%0	;DOES REGISTER ZERO=200+200
787	002660	001401		BEQ	.+4	
788	002662	000000		HLT		;ADD 200 TO 200 FAILED

000	002664	000400		N=N+N		
001	002664	000240		SCOPE		
002	002666	012700	000400	MOV	#400,%0	;MOVE 400 TO REGISTER ZERO
003	002672	062700	000400	ADD	#400,%0	;ADD 400 TO 400
004	002676	022700	001000	CMP	#400+400,%0	;DOES REGISTER ZERO=400+400
005	002702	001401		BEQ	.+4	
006	002704	000000		HLT		;ADD 400 TO 400 FAILED
007	002706	000240		N=N+N		
008	002710	012700	001000	SCOPE		
009	002714	062700	001000	MOV	#1000,%0	;MOVE 1000 TO REGISTER ZERO
010	002720	022700	002000	ADD	#1000,%0	;ADD 1000 TO 1000
011	002724	001401		CMP	#1000+1000,%0	;DOES REGISTER ZERO=1000+1000
012	002726	000000		BEQ	.+4	
013	002730	000240		HLT		;ADD 1000 TO 1000 FAILED
014	002732	012700	002000	N=N+N		
015	002736	062700	002000	SCOPE		
016	002742	022700	004000	MOV	#2000,%0	;MOVE 2000 TO REGISTER ZERO
017	002746	001401		ADD	#2000,%0	;ADD 2000 TO 2000
018	002750	000000		CMP	#2000+2000,%0	;DOES REGISTER ZERO=2000+2000
019	002752	000240		BEQ	.+4	
020	002754	012700	004000	HLT		;ADD 2000 TO 2000 FAILED
021	002760	062700	004000	N=N+N		
022	002764	022700	010000	SCOPE		
023	002770	001401		MOV	#4000,%0	;MOVE 4000 TO REGISTER ZERO
024	002772	000000		ADD	#4000,%0	;ADD 4000 TO 4000
025	002774	010000		CMP	#4000+4000,%0	;DOES REGISTER ZERO=4000+4000
026	002776	000240		BEQ	.+4	
027	003002	012700	010000	HLT		;ADD 4000 TO 4000 FAILED
028	003006	062700	020000	N=N+N		
029	003012	022700	020000	SCOPE		
030	003014	001401		MOV	#10000,%0	;MOVE 10000 TO REGISTER ZERO
031	003016	000000		ADD	#10000,%0	;ADD 10000 TO 10000
032	003018	020000		CMP	#10000+10000,%0	;DOES REGISTER ZERO=10000+10000
033	003020	000240		BEQ	.+4	
034	003024	012700	020000	HLT		;ADD 10000 TO 10000 FAILED
035	003030	062700	040000	N=N+N		
036	003034	022700	040000	SCOPE		
037	003036	001401		MOV	#20000,%0	;MOVE 20000 TO REGISTER ZERO
038	003040	000000		ADD	#20000,%0	;ADD 20000 TO 20000
039	003042	040000		CMP	#20000+20000,%0	;DOES REGISTER ZERO=20000+20000
040	003046	000240		BEQ	.+4	
041	003052	012700	040000	HLT		;ADD 20000 TO 20000 FAILED
042	003056	062700	100000	N=N+N		
043	003060	022700	100000	SCOPE		
044	003062	000240		MOV	#40000,%0	;MOVE 40000 TO REGISTER ZERO
045	003064	012700	100000	ADD	#40000,%0	;ADD 40000 TO 40000
046	003070	062700	100000	CMP	#40000+40000,%0	;DOES REGISTER ZERO=40000+40000
047	003074	022700	000000	BEQ	.+4	
048	003100	001401		HLT		;ADD 40000 TO 40000 FAILED
049	003102	000000		N=N+N		
050				SCOPE		
051				MOV	#100000,%0	;MOVE 100000 TO REGISTER ZERO
052				ADD	#100000,%0	;ADD 100000 TO 100000
053				CMP	#100000+100000,%0	;DOES REGISTER ZERO=100000+100000
054				BEQ	.+4	
055				HLT		;ADD 100000 TO 100000 FAILED

842		000000		N=N+N	
843		000000		M=0	
844		000000		I=0	
845		000000		SCOPE	
846	003104	000240		MOV #0,%0	;MOVE 0 TO REGISTER ZERO
847	003106	012700	000000	ADD #0,%0	;ADD 0 TO 0
848	003112	062700	000000	CMP #0+0,%0	;DOES REGISTER ZERO=0+0
849	003116	022700	000000	BEQ .+4	
850	003122	001401		HLT	;ADD 0 TO 0 FAILED
851	003124	000000		N=N+1&175252+N	
852		000000		M=M+401	
853		000401		SCOPE	
854	003126	000240		MOV #0,%0	;MOVE 0 TO REGISTER ZERO
855	003130	012700	000000	ADD #401,%0	;ADD 401 TO 0
856	003134	062700	000401	CMP #401+0,%0	;DOES REGISTER ZERO=401+0
857	003140	022700	000401	BEQ .+4	
858	003144	001401		HLT	;ADD 401 TO 0 FAILED
859	003146	000000		N=N+1&175252+N	
860		000000		M=M+401	
861		001002		SCOPE	
862	003150	000240		MOV #0,%0	;MOVE 0 TO REGISTER ZERO
863	003152	012700	000000	ADD #1002,%0	;ADD 1002 TO 0
864	003156	062700	001002	CMP #1002+0,%0	;DOES REGISTER ZERO=1002+0
865	003162	022700	001002	BEQ .+4	
866	003166	001401		HLT	;ADD 1002 TO 0 FAILED
867	003170	000000		N=N+1&175252+N	
868		000000		M=M+401	
869		001403		SCOPE	
870	003172	000240		MOV #0,%0	;MOVE 0 TO REGISTER ZERO
871	003174	012700	000000	ADD #1403,%0	;ADD 1403 TO 0
872	003200	062700	001403	CMP #1403+0,%0	;DOES REGISTER ZERO=1403+0
873	003204	022700	001403	BEQ .+4	
874	003210	001401		HLT	;ADD 1403 TO 0 FAILED
875	003212	000000		N=N+1&175252+N	
876		000000		M=M+401	
877		002004		SCOPE	
878	003214	000240		MOV #0,%0	;MOVE 0 TO REGISTER ZERO
879	003216	012700	000000	ADD #2004,%0	;ADD 2004 TO 0
880	003222	062700	002004	CMP #2004+0,%0	;DOES REGISTER ZERO=2004+0
881	003226	022700	002004	BEQ .+4	
882	003232	001401		HLT	;ADD 2004 TO 0 FAILED
883	003234	000000		N=N+1&175252+N	
884		000000		M=M+401	
885		002405		SCOPE	
886	003236	000240		MOV #0,%0	;MOVE 0 TO REGISTER ZERO
887	003240	012700	000000	ADD #2405,%0	;ADD 2405 TO 0
888	003244	062700	002405	CMP #2405+0,%0	;DOES REGISTER ZERO=2405+0
889	003250	022700	002405	BEQ .+4	
890	003254	001401		HLT	;ADD 2405 TO 0 FAILED
891	003256	000000		N=N+1&175252+N	
892		000000		M=M+401	
893		003006		SCOPE	
894	003260	000240		MOV #0,%0	;MOVE 0 TO REGISTER ZERO
895	003262	012700	000000	ADD #3006,%0	;ADD 3006 TO 0
896	003266	062700	003006	CMP #3006+0,%0	;DOES REGISTER ZERO=3006+0
897	003272	022700	003006		

898	003276	001401		BEQ	.+4	
899	003300	000000		HLT		;ADD 3006 TO 0 FAILED
900		000000		N=N+1&175252+N		
901		003407		M=M+401		
902	003202	000240		SCOPE		
903	003304	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
904	003310	062700	003407	ADD	#3407,%0	;ADD 3407 TO 0
905	003314	022700	003407	CMP	#3407+0,%0	;DOES REGISTER ZERO=3407+0
906	003320	001401		BEQ	.+4	
907	003322	000000		HLT		;ADD 3407 TO 0 FAILED
908		000000		N=N+1&175252+N		
909		004010		M=M+401		
910	003324	000240		SCOPE		
911	003326	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
912	003332	062700	004010	ADD	#4010,%0	;ADD 4010 TO 0
913	003336	022700	004010	CMP	#4010+0,%0	;DOES REGISTER ZERO=4010+0
914	003342	001401		BEQ	.+4	
915	003344	000000		HLT		;ADD 4010 TO 0 FAILED
916		000000		N=N+1&175252+N		
917		004411		M=M+401		
918	003346	000240		SCOPE		
919	003350	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
920	003354	062700	004411	ADD	#4411,%0	;ADD 4411 TO 0
921	003360	022700	004411	CMP	#4411+0,%0	;DOES REGISTER ZERO=4411+0
922	003364	001401		BEQ	.+4	
923	003366	000000		HLT		;ADD 4411 TO 0 FAILED
924		000000		N=N+1&175252+N		
925		005012		M=M+401		
926	003370	000240		SCOPE		
927	003372	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
928	003376	062700	005012	ADD	#5012,%0	;ADD 5012 TO 0
929	003402	022700	005012	CMP	#5012+0,%0	;DOES REGISTER ZERO=5012+0
930	003406	001401		BEQ	.+4	
931	003410	000000		HLT		;ADD 5012 TO 0 FAILED
932		000000		N=N+1&175252+N		
933		005413		M=M+401		
934	003412	000240		SCOPE		
935	003414	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
936	003420	062700	005413	ADD	#5413,%0	;ADD 5413 TO 0
937	003424	022700	005413	CMP	#5413+0,%0	;DOES REGISTER ZERO=5413+0
938	003430	001401		BEQ	.+4	
939	003432	000000		HLT		;ADD 5413 TO 0 FAILED
940		000000		N=N+1&175252+N		
941		006014		M=M+401		
942	003434	000240		SCOPE		
943	003436	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
944	003442	062700	006014	ADD	#6014,%0	;ADD 6014 TO 0
945	003446	022700	006014	CMP	#6014+0,%0	;DOES REGISTER ZERO=6014+0
946	003452	001401		BEQ	.+4	
947	003454	000000		HLT		;ADD 6014 TO 0 FAILED
948		000000		N=N+1&175252+N		
949		006415		M=M+401		
950	003456	000240		SCOPE		
951	003460	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
952	003464	062700	006415	ADD	#6415,%0	;ADD 6415 TO 0
953	003470	022700	006415	CMP	#6415+0,%0	;DOES REGISTER ZERO=6415+0

954	003474	001401		BEQ	.+4	
955	003476	000000		HLT		;ADD 6415 TO 0 FAILED
956		000000		N=N+1&175252+N		
957		007016		M=M+401		
958	003500	000240		SCOPE		
959	003502	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
960	003506	062700	007016	ADD	#7016,%0	;ADD 7016 TO 0
961	003512	022700	007016	CMP	#7016+0,%0	;DOES REGISTER ZERO=7016+0
962	003516	001401		BEQ	.+4	
963	003520	000000		HLT		;ADD 7016 TO 0 FAILED
964		000000		N=N+1&175252+N		
965		007417		M=M+401		
966	003522	000240		SCOPE		
967	003524	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
968	003530	062700	007417	ADD	#7417,%0	;ADD 7417 TO 0
969	003534	022700	007417	CMP	#7417+0,%0	;DOES REGISTER ZERO=7417+0
970	003540	001401		BEQ	.+4	
971	003542	000000		HLT		;ADD 7417 TO 0 FAILED
972		000000		N=N+1&175252+N		
973		010020		M=M+401		
974	003544	000240		SCOPE		
975	003546	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
976	003552	062700	010020	ADD	#10020,%0	;ADD 10020 TO 0
977	003556	022700	010020	CMP	#10020+0,%0	;DOES REGISTER ZERO=10020+0
978	003562	001401		BEQ	.+4	
979	003564	000000		HLT		;ADD 10020 TO 0 FAILED
980		000000		N=N+1&175252+N		
981		010421		M=M+401		
982	003566	000240		SCOPE		
983	003570	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
984	003574	062700	010421	ADD	#10421,%0	;ADD 10421 TO 0
985	003600	022700	010421	CMP	#10421+0,%0	;DOES REGISTER ZERO=10421+0
986	003604	001401		BEQ	.+4	
987	003606	000000		HLT		;ADD 10421 TO 0 FAILED
988		000000		N=N+1&175252+N		
989		011022		M=M+401		
990	003610	000240		SCOPE		
991	003612	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
992	003616	062700	011022	ADD	#11022,%0	;ADD 11022 TO 0
993	003622	022700	011022	CMP	#11022+0,%0	;DOES REGISTER ZERO=11022+0
994	003626	001401		BEQ	.+4	
995	003630	000000		HLT		;ADD 11022 TO 0 FAILED
996		000000		N=N+1&175252+N		
997		011423		M=M+401		
998	003632	000240		SCOPE		
999	003634	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1000	003640	062700	011423	ADD	#11423,%0	;ADD 11423 TO 0
1001	003644	022700	011423	CMP	#11423+0,%0	;DOES REGISTER ZERO=11423+0
1002	003650	001401		BEQ	.+4	
1003	003652	000000		HLT		;ADD 11423 TO 0 FAILED
1004		000000		N=N+1&175252+N		
1005		012024		M=M+401		
1006	003654	000240		SCOPE		
1007	003656	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1008	003662	062700	012024	ADD	#12024,%0	;ADD 12024 TO 0
1009	003666	022700	012024	CMP	#12024+0,%0	;DOES REGISTER ZERO=12024+0

1010	003672	001401		BEQ	.+4	
1011	003674	000000		HLT		;ADD 12024 TO 0 FAILED
1012		000000		N=N+1&175252+N		
1013		012425		M=M+401		
1014	003676	000240		SCOPE		
1015	003700	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1016	003704	062700	012425	ADD	#12425,%0	;ADD 12425 TO 0
1017	003710	022700	012425	CMP	#12425+0,%0	;DOES REGISTER ZERO=12425+0
1018	003714	001401		BEQ	.+4	
1019	003716	000000		HLT		;ADD 12425 TO 0 FAILED
1020		000000		N=N+1&175252+N		
1021		013026		M=M+401		
1022	003720	000240		SCOPE		
1023	003722	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1024	003726	062700	013026	ADD	#13026,%0	;ADD 13026 TO 0
1025	003732	022700	013026	CMP	#13026+0,%0	;DOES REGISTER ZERO=13026+0
1026	003736	001401		BEQ	.+4	
1027	003740	000000		HLT		;ADD 13026 TO 0 FAILED
1028		000000		N=N+1&175252+N		
1029		013427		M=M+401		
1030	003742	000240		SCOPE		
1031	003744	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1032	003750	062700	013427	ADD	#13427,%0	;ADD 13427 TO 0
1033	003754	022700	013427	CMP	#13427+0,%0	;DOES REGISTER ZERO=13427+0
1034	003760	001401		BEQ	.+4	
1035	003762	000000		HLT		;ADD 13427 TO 0 FAILED
1036		000000		N=N+1&175252+N		
1037		014030		M=M+401		
1038	003764	000240		SCOPE		
1039	003766	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1040	003772	062700	014030	ADD	#14030,%0	;ADD 14030 TO 0
1041	003776	022700	014030	CMP	#14030+0,%0	;DOES REGISTER ZERO=14030+0
1042	004002	001401		BEQ	.+4	
1043	004004	000000		HLT		;ADD 14030 TO 0 FAILED
1044		000000		N=N+1&175252+N		
1045		014431		M=M+401		
1046	004006	000240		SCOPE		
1047	004010	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1048	004014	062700	014431	ADD	#14431,%0	;ADD 14431 TO 0
1049	004020	022700	014431	CMP	#14431+0,%0	;DOES REGISTER ZERO=14431+0
1050	004024	001401		BEQ	.+4	
1051	004026	000000		HLT		;ADD 14431 TO 0 FAILED
1052		000000		N=N+1&175252+N		
1053		015032		M=M+401		
1054	004030	000240		SCOPE		
1055	004032	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1056	004036	062700	015032	ADD	#15032,%0	;ADD 15032 TO 0
1057	004042	022700	015032	CMP	#15032+0,%0	;DOES REGISTER ZERO=15032+0
1058	004046	001401		BEQ	.+4	
1059	004050	000000		HLT		;ADD 15032 TO 0 FAILED
1060		000000		N=N+1&175252+N		
1061		015433		M=M+401		
1062	004052	000240		SCOPE		
1063	004054	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1064	004060	062700	015433	ADD	#15433,%0	;ADD 15433 TO 0
1065	004064	022700	015433	CMP	#15433+0,%0	;DOES REGISTER ZERO=15433+0

1066	004070	001401		BEQ	.+4	
1067	004072	000000		HLT		;ADD 15433 TO 0 FAILED
1068		000000		N=N+1&175252+N		
1069		016034		M=M+401		
1070	004074	000240		SCOPE		
1071	004076	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1072	004102	062700	016034	ADD	#16034,%0	;ADD 16034 TO 0
1073	004106	022700	016034	CMP	#16034+0,%0	;DOES REGISTER ZERO=16034+0
1074	004112	001401		BEQ	.+4	
1075	004114	000000		HLT		;ADD 16034 TO 0 FAILED
1076		000000		N=N+1&175252+N		
1077		016435		M=M+401		
1078	004116	000240		SCOPE		
1079	004120	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1080	004124	062700	016435	ADD	#16435,%0	;ADD 16435 TO 0
1081	004130	022700	016435	CMP	#16435+0,%0	;DOES REGISTER ZERO=16435+0
1082	004134	001401		BEQ	.+4	
1083	004136	000000		HLT		;ADD 16435 TO 0 FAILED
1084		000000		N=N+1&175252+N		
1085		017036		M=M+401		
1086	004140	000240		SCOPE		
1087	004142	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1088	004146	062700	017036	ADD	#17036,%0	;ADD 17036 TO 0
1089	004152	022700	017036	CMP	#17036+0,%0	;DOES REGISTER ZERO=17036+0
1090	004156	001401		BEQ	.+4	
1091	004160	000000		HLT		;ADD 17036 TO 0 FAILED
1092		000000		N=N+1&175252+N		
1093		017437		M=M+401		
1094	004162	000240		SCOPE		
1095	004164	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1096	004170	062700	017437	ADD	#17437,%0	;ADD 17437 TO 0
1097	004174	022700	017437	CMP	#17437+0,%0	;DOES REGISTER ZERO=17437+0
1098	004200	001401		BEQ	.+4	
1099	004202	000000		HLT		;ADD 17437 TO 0 FAILED
1100		000000		N=N+1&175252+N		
1101		020040		M=M+401		
1102	004204	000240		SCOPE		
1103	004206	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1104	004212	062700	020040	ADD	#20040,%0	;ADD 20040 TO 0
1105	004216	022700	020040	CMP	#20040+0,%0	;DOES REGISTER ZERO=20040+0
1106	004222	001401		BEQ	.+4	
1107	004224	000000		HLT		;ADD 20040 TO 0 FAILED
1108		000000		N=N+1&175252+N		
1109		020441		M=M+401		
1110	004226	000240		SCOPE		
1111	004230	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1112	004234	062700	020441	ADD	#20441,%0	;ADD 20441 TO 0
1113	004240	022700	020441	CMP	#20441+0,%0	;DOES REGISTER ZERO=20441+0
1114	004244	001401		BEQ	.+4	
1115	004246	000000		HLT		;ADD 20441 TO 0 FAILED
1116		000000		N=N+1&175252+N		
1117		021042		M=M+401		
1118	004250	000240		SCOPE		
1119	004252	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1120	004256	062700	021042	ADD	#21042,%0	;ADD 21042 TO 0
1121	004262	022700	021042	CMP	#21042+0,%0	;DOES REGISTER ZERO=21042+0

1122	004266	001401		BEQ	.+4	
1123	004270	000000		HLT		;ADD 21042 TO 0 FAILED
1124		000000		N=N+1&175252+N		
1125		021443		M=M+401		
1126	004272	000240		SCOPE		
1127	004274	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1128	004300	062700	021443	ADD	#21443,%0	;ADD 21443 TO 0
1129	004304	022700	021443	CMP	#21443+0,%0	;DOES REGISTER ZERO=21443+0
1130	004310	001401		BEQ	.+4	
1131	004312	000000		HLT		;ADD 21443 TO 0 FAILED
1132		000000		N=N+1&175252+N		
1133		022044		M=M+401		
1134	004314	000240		SCOPE		
1135	004316	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1136	004322	062700	022044	ADD	#22044,%0	;ADD 22044 TO 0
1137	004326	022700	022044	CMP	#22044+0,%0	;DOES REGISTER ZERO=22044+0
1138	004332	001401		BEQ	.+4	
1139	004334	000000		HLT		;ADD 22044 TO 0 FAILED
1140		000000		N=N+1&175252+N		
1141		022445		M=M+401		
1142	004336	000240		SCOPE		
1143	004340	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1144	004344	062700	022445	ADD	#22445,%0	;ADD 22445 TO 0
1145	004350	022700	022445	CMP	#22445+0,%0	;DOES REGISTER ZERO=22445+0
1146	004354	001401		BEQ	.+4	
1147	004356	000000		HLT		;ADD 22445 TO 0 FAILED
1148		000000		N=N+1&175252+N		
1149		023046		M=M+401		
1150	004360	000240		SCOPE		
1151	004362	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1152	004366	062700	023046	ADD	#23046,%0	;ADD 23046 TO 0
1153	004372	022700	023046	CMP	#23046+0,%0	;DOES REGISTER ZERO=23046+0
1154	004376	001401		BEQ	.+4	
1155	004400	000000		HLT		;ADD 23046 TO 0 FAILED
1156		000000		N=N+1&175252+N		
1157		023447		M=M+401		
1158	004402	000240		SCOPE		
1159	004404	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1160	004410	062700	023447	ADD	#23447,%0	;ADD 23447 TO 0
1161	004414	022700	023447	CMP	#23447+0,%0	;DOES REGISTER ZERO=23447+0
1162	004420	001401		BEQ	.+4	
1163	004422	000000		HLT		;ADD 23447 TO 0 FAILED
1164		000000		N=N+1&175252+N		
1165		024050		M=M+401		
1166	004424	000240		SCOPE		
1167	004426	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1168	004432	062700	024050	ADD	#24050,%0	;ADD 24050 TO 0
1169	004436	022700	024050	CMP	#24050+0,%0	;DOES REGISTER ZERO=24050+0
1170	004442	001401		BEQ	.+4	
1171	004444	000000		HLT		;ADD 24050 TO 0 FAILED
1172		000000		N=N+1&175252+N		
1173		024451		M=M+401		
1174	004446	000240		SCOPE		
1175	004450	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1176	004454	062700	024451	ADD	#24451,%0	;ADD 24451 TO 0
1177	004460	022700	024451	CMP	#24451+0,%0	;DOES REGISTER ZERO=24451+0

1178	004464	001401		BEQ	.+4	
1179	004466	000000		HLT		;ADD 24451 TO 0 FAILED
1180		000000		N=N+1&175252+N		
1181		025052		M=M+401		
1182	004470	000240		SCOPE		
1183	004472	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1184	004476	062700	025052	ADD	#25052,%0	;ADD 25052 TO 0
1185	004502	022700	025052	CMP	#25052+0,%0	;DOES REGISTER ZERO=25052+0
1186	004506	001401		BEQ	.+4	
1187	004510	000000		HLT		;ADD 25052 TO 0 FAILED
1188		000000		N=N+1&175252+N		
1189		025453		M=M+401		
1190	004512	000240		SCOPE		
1191	004514	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1192	004520	062700	025453	ADD	#25453,%0	;ADD 25453 TO 0
1193	004524	022700	025453	CMP	#25453+0,%0	;DOES REGISTER ZERO=25453+0
1194	004530	001401		BEQ	.+4	
1195	004532	000000		HLT		;ADD 25453 TO 0 FAILED
1196		000000		N=N+1&175252+N		
1197		026054		M=M+401		
1198	004534	000240		SCOPE		
1199	004536	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1200	004542	062700	026054	ADD	#26054,%0	;ADD 26054 TO 0
1201	004546	022700	026054	CMP	#26054+0,%0	;DOES REGISTER ZERO=26054+0
1202	004552	001401		BEQ	.+4	
1203	004554	000000		HLT		;ADD 26054 TO 0 FAILED
1204		000000		N=N+1&175252+N		
1205		026455		M=M+401		
1206	004556	000240		SCOPE		
1207	004560	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1208	004564	062700	026455	ADD	#26455,%0	;ADD 26455 TO 0
1209	004570	022700	026455	CMP	#26455+0,%0	;DOES REGISTER ZERO=26455+0
1210	004574	001401		BEQ	.+4	
1211	004576	000000		HLT		;ADD 26455 TO 0 FAILED
1212		000000		N=N+1&175252+N		
1213		027056		M=M+401		
1214	004600	000240		SCOPE		
1215	004602	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1216	004606	062700	027056	ADD	#27056,%0	;ADD 27056 TO 0
1217	004612	022700	027056	CMP	#27056+0,%0	;DOES REGISTER ZERO=27056+0
1218	004616	001401		BEQ	.+4	
1219	004620	000000		HLT		;ADD 27056 TO 0 FAILED
1220		000000		N=N+1&175252+N		
1221		027457		M=M+401		
1222	004622	000240		SCOPE		
1223	004624	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1224	004630	062700	027457	ADD	#27457,%0	;ADD 27457 TO 0
1225	004634	022700	027457	CMP	#27457+0,%0	;DOES REGISTER ZERO=27457+0
1226	004640	001401		BEQ	.+4	
1227	004642	000000		HLT		;ADD 27457 TO 0 FAILED
1228		000000		N=N+1&175252+N		
1229		030060		M=M+401		
1230	004644	000240		SCOPE		
1231	004646	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1232	004652	062700	030060	ADD	#30060,%0	;ADD 30060 TO 0
1233	004656	022700	030060	CMP	#30060+0,%0	;DOES REGISTER ZERO=30060+0

1260	004662	001401		BEQ	.+4		
1261	004664	000000		HLT			;ADD 30060 TO 0 FAILED
1262		000000		N=N+18175252+N			
1263		030461		M=M+401			
1264	004666	000240		SCOPE			
1265	004670	012700	000000	MOV	#0,%0		;MOVE 0 TO REGISTER ZERO
1266	004674	062700	030461	ADD	#30461,%0		;ADD 30461 TO 0
1267	004700	022700	030461	CMP	#30461+0,%0		;DOES REGISTER ZERO=30461+0
1268	004704	001401		BEQ	.+4		
1269	004706	000000		HLT			;ADD 30461 TO 0 FAILED
1270		000000		N=N+18175252+N			
1271		031062		M=M+401			
1272	004710	000240		SCOPE			
1273	004712	012700	000000	MOV	#0,%0		;MOVE 0 TO REGISTER ZERO
1274	004716	062700	031062	ADD	#31062,%0		;ADD 31062 TO 0
1275	004722	022700	031062	CMP	#31062+0,%0		;DOES REGISTER ZERO=31062+0
1276	004726	001401		BEQ	.+4		
1277	004730	000000		HLT			;ADD 31062 TO 0 FAILED
1278		000000		N=N+18175252+N			
1279		031463		M=M+401			
1280	004732	000240		SCOPE			
1281	004734	012700	000000	MOV	#0,%0		;MOVE 0 TO REGISTER ZERO
1282	004740	062700	031463	ADD	#31463,%0		;ADD 31463 TO 0
1283	004744	022700	031463	CMP	#31463+0,%0		;DOES REGISTER ZERO=31463+0
1284	004750	001401		BEQ	.+4		
1285	004752	000000		HLT			;ADD 31463 TO 0 FAILED
1286		000000		N=N+18175252+N			
1287		032064		M=M+401			
1288	004754	000240		SCOPE			
1289	004756	012700	000000	MOV	#0,%0		;MOVE 0 TO REGISTER ZERO
1290	004762	062700	032064	ADD	#32064,%0		;ADD 32064 TO 0
1291	004766	022700	032064	CMP	#32064+0,%0		;DOES REGISTER ZERO=32064+0
1292	004772	001401		BEQ	.+4		
1293	004774	000000		HLT			;ADD 32064 TO 0 FAILED
1294		000000		N=N+18175252+N			
1295		032465		M=M+401			
1296	004776	000240		SCOPE			
1297	005000	012700	000000	MOV	#0,%0		;MOVE 0 TO REGISTER ZERO
1298	005004	062700	032465	ADD	#32465,%0		;ADD 32465 TO 0
1299	005010	022700	032465	CMP	#32465+0,%0		;DOES REGISTER ZERO=32465+0
1300	005014	001401		BEQ	.+4		
1301	005016	000000		HLT			;ADD 32465 TO 0 FAILED
1302		000000		N=N+18175252+N			
1303		033066		M=M+401			
1304	005020	000240		SCOPE			
1305	005022	012700	000000	MOV	#0,%0		;MOVE 0 TO REGISTER ZERO
1306	005026	062700	033066	ADD	#33066,%0		;ADD 33066 TO 0
1307	005032	022700	033066	CMP	#33066+0,%0		;DOES REGISTER ZERO=33066+0
1308	005036	001401		BEQ	.+4		
1309	005040	000000		HLT			;ADD 33066 TO 0 FAILED
1310		000000		N=N+18175252+N			
1311		033467		M=M+401			
1312	005042	000240		SCOPE			
1313	005044	012700	000000	MOV	#0,%0		;MOVE 0 TO REGISTER ZERO
1314	005050	062700	033467	ADD	#33467,%0		;ADD 33467 TO 0
1315	005054	022700	033467	CMP	#33467+0,%0		;DOES REGISTER ZERO=33467+0

1290	005060	001401		BEQ	.+4	
1291	005062	000000		HLT		;ADD 33467 TO 0 FAILED
1292		000000		N=N+1&175252+N		
1293		034070		M=M+401		
1294	005064	000240		SCOPE		
1295	005066	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1296	005072	062700	034070	ADD	#34070,%0	;ADD 34070 TO 0
1297	005076	022700	034070	CMP	#34070+0,%0	;DOES REGISTER ZERO=34070+0
1298	005102	001401		BEQ	.+4	
1299	005104	000000		HLT		;ADD 34070 TO 0 FAILED
1300		000000		N=N+1&175252+N		
1301		034471		M=M+401		
1302	005106	000240		SCOPE		
1303	005110	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1304	005114	062700	034471	ADD	#34471,%0	;ADD 34471 TO 0
1305	005120	022700	034471	CMP	#34471+0,%0	;DOES REGISTER ZERO=34471+0
1306	005124	001401		BEQ	.+4	
1307	005126	000000		HLT		;ADD 34471 TO 0 FAILED
1308		000000		N=N+1&175252+N		
1309		035072		M=M+401		
1310	005130	000240		SCOPE		
1311	005132	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1312	005136	062700	035072	ADD	#35072,%0	;ADD 35072 TO 0
1313	005142	022700	035072	CMP	#35072+0,%0	;DOES REGISTER ZERO=35072+0
1314	005146	001401		BEQ	.+4	
1315	005150	000000		HLT		;ADD 35072 TO 0 FAILED
1316		000000		N=N+1&175252+N		
1317		035473		M=M+401		
1318	005152	000240		SCOPE		
1319	005154	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1320	005160	062700	035473	ADD	#35473,%0	;ADD 35473 TO 0
1321	005164	022700	035473	CMP	#35473+0,%0	;DOES REGISTER ZERO=35473+0
1322	005170	001401		BEQ	.+4	
1323	005172	000000		HLT		;ADD 35473 TO 0 FAILED
1324		000000		N=N+1&175252+N		
1325		036074		M=M+401		
1326	005174	000240		SCOPE		
1327	005176	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1328	005202	062700	036074	ADD	#36074,%0	;ADD 36074 TO 0
1329	005206	022700	036074	CMP	#36074+0,%0	;DOES REGISTER ZERO=36074+0
1330	005212	001401		BEQ	.+4	
1331	005214	000000		HLT		;ADD 36074 TO 0 FAILED
1332		000000		N=N+1&175252+N		
1333		036475		M=M+401		
1334	005216	000240		SCOPE		
1335	005220	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1336	005224	062700	036475	ADD	#36475,%0	;ADD 36475 TO 0
1337	005230	022700	036475	CMP	#36475+0,%0	;DOES REGISTER ZERO=36475+0
1338	005234	001401		BEQ	.+4	
1339	005236	000000		HLT		;ADD 36475 TO 0 FAILED
1340		000000		N=N+1&175252+N		
1341		037076		M=M+401		
1342	005240	000240		SCOPE		
1343	005242	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1344	005246	062700	037076	ADD	#37076,%0	;ADD 37076 TO 0
1345	005252	022700	037076	CMP	#37076+0,%0	;DOES REGISTER ZERO=37076+0

1346	005256	001401		BEQ	.+4	
1347	005260	000000		HLT		;ADD 37076 TO 0 FAILED
1348		000000		N=N+18175252+N		
1349		037477		M=M+401		
1350	005262	000240		SCOPE		
1351	005264	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1352	005270	062700	037477	ADD	#37477,%0	;ADD 37477 TO 0
1353	005274	022700	037477	CMP	#37477+0,%0	;DOES REGISTER ZERO=37477+0
1354	005300	001401		BEQ	.+4	
1355	005302	000000		HLT		;ADD 37477 TO 0 FAILED
1356		000000		N=N+18175252+N		
1357		040100		M=M+401		
1358	005304	000240		SCOPE		
1359	005306	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1360	005312	062700	040100	ADD	#40100,%0	;ADD 40100 TO 0
1361	005316	022700	040100	CMP	#40100+0,%0	;DOES REGISTER ZERO=40100+0
1362	005322	001401		BEQ	.+4	
1363	005324	000000		HLT		;ADD 40100 TO 0 FAILED
1364		000000		N=N+18175252+N		
1365		040501		M=M+401		
1366	005326	000240		SCOPE		
1367	005330	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1368	005334	062700	040501	ADD	#40501,%0	;ADD 40501 TO 0
1369	005340	022700	040501	CMP	#40501+0,%0	;DOES REGISTER ZERO=40501+0
1370	005344	001401		BEQ	.+4	
1371	005346	000000		HLT		;ADD 40501 TO 0 FAILED
1372		000000		N=N+18175252+N		
1373		041102		M=M+401		
1374	005350	000240		SCOPE		
1375	005352	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1376	005356	062700	041102	ADD	#41102,%0	;ADD 41102 TO 0
1377	005362	022700	041102	CMP	#41102+0,%0	;DOES REGISTER ZERO=41102+0
1378	005366	001401		BEQ	.+4	
1379	005370	000000		HLT		;ADD 41102 TO 0 FAILED
1380		000000		N=N+18175252+N		
1381		041503		M=M+401		
1382	005372	000240		SCOPE		
1383	005374	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1384	005400	062700	041503	ADD	#41503,%0	;ADD 41503 TO 0
1385	005404	022700	041503	CMP	#41503+0,%0	;DOES REGISTER ZERO=41503+0
1386	005410	001401		BEQ	.+4	
1387	005412	000000		HLT		;ADD 41503 TO 0 FAILED
1388		000000		N=N+18175252+N		
1389		042104		M=M+401		
1390	005414	000240		SCOPE		
1391	005416	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1392	005422	062700	042104	ADD	#42104,%0	;ADD 42104 TO 0
1393	005426	022700	042104	CMP	#42104+0,%0	;DOES REGISTER ZERO=42104+0
1394	005432	001401		BEQ	.+4	
1395	005434	000000		HLT		;ADD 42104 TO 0 FAILED
1396		000000		N=N+18175252+N		
1397		042505		M=M+401		
1398	005436	000240		SCOPE		
1399	005440	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1400	005444	062700	042505	ADD	#42505,%0	;ADD 42505 TO 0
1401	005450	022700	042505	CMP	#42505+0,%0	;DOES REGISTER ZERO=42505+0

1432	005454	001401		BEQ	.+4	
1433	005456	000000		HLT		;ADD 42505 TO 0 FAILED
1434		000000		N=N+18175252+N		
1435		043106		M=M+401		
1436	005460	000240		SCOPE		
1437	005462	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1438	005466	062700	043106	ADD	#43106,%0	;ADD 43106 TO 0
1439	005472	022700	043106	CMP	#43106+0,%0	;DOES REGISTER ZERO=43106+0
1440	005476	001401		BEQ	.+4	
1441	005500	000000		HLT		;ADD 43106 TO 0 FAILED
1442		000000		N=N+18175252+N		
1443		043507		M=M+401		
1444	005502	000240		SCOPE		
1445	005504	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1446	005510	062700	043507	ADD	#43507,%0	;ADD 43507 TO 0
1447	005514	022700	043507	CMP	#43507+0,%0	;DOES REGISTER ZERO=43507+0
1448	005520	001401		BEQ	.+4	
1449	005522	000000		HLT		;ADD 43507 TO 0 FAILED
1450		000000		N=N+18175252+N		
1451		044110		M=M+401		
1452	005524	000240		SCOPE		
1453	005526	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1454	005532	062700	044110	ADD	#44110,%0	;ADD 44110 TO 0
1455	005536	022700	044110	CMP	#44110+0,%0	;DOES REGISTER ZERO=44110+0
1456	005542	001401		BEQ	.+4	
1457	005544	000000		HLT		;ADD 44110 TO 0 FAILED
1458		000000		N=N+18175252+N		
1459		044511		M=M+401		
1460	005546	000240		SCOPE		
1461	005550	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1462	005554	062700	044511	ADD	#44511,%0	;ADD 44511 TO 0
1463	005560	022700	044511	CMP	#44511+0,%0	;DOES REGISTER ZERO=44511+0
1464	005564	001401		BEQ	.+4	
1465	005566	000000		HLT		;ADD 44511 TO 0 FAILED
1466		000000		N=N+18175252+N		
1467		045112		M=M+401		
1468	005570	000240		SCOPE		
1469	005572	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1470	005576	062700	045112	ADD	#45112,%0	;ADD 45112 TO 0
1471	005602	022700	045112	CMP	#45112+0,%0	;DOES REGISTER ZERO=45112+0
1472	005606	001401		BEQ	.+4	
1473	005610	000000		HLT		;ADD 45112 TO 0 FAILED
1474		000000		N=N+18175252+N		
1475		045513		M=M+401		
1476	005612	000240		SCOPE		
1477	005614	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1478	005620	062700	045513	ADD	#45513,%0	;ADD 45513 TO 0
1479	005624	022700	045513	CMP	#45513+0,%0	;DOES REGISTER ZERO=45513+0
1480	005630	001401		BEQ	.+4	
1481	005632	000000		HLT		;ADD 45513 TO 0 FAILED
1482		000000		N=N+18175252+N		
1483		046114		M=M+401		
1484	005634	000240		SCOPE		
1485	005636	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1486	005642	062700	046114	ADD	#46114,%0	;ADD 46114 TO 0
1487	005646	022700	046114	CMP	#46114+0,%0	;DOES REGISTER ZERO=46114+0

1458	005652	001401		BEQ	.+4	
1459	005654	000000		HLT		;ADD 46114 TO 0 FAILED
1460		000000		N=N+1&175252+N		
1461		046515		M=M+401		
1462	005656	000240		SCOPE		
1463	005660	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1464	005664	062700	046515	ADD	#46515,%0	;ADD 46515 TO 0
1465	005670	022700	046515	CMP	#46515+0,%0	;DOES REGISTER ZERO=46515+0
1466	005674	001401		BEQ	.+4	
1467	005676	000000		HLT		;ADD 46515 TO 0 FAILED
1468		000000		N=N+1&175252+N		
1469		047116		M=M+401		
1470	005700	000240		SCOPE		
1471	005702	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1472	005706	062700	047116	ADD	#47116,%0	;ADD 47116 TO 0
1473	005712	022700	047116	CMP	#47116+0,%0	;DOES REGISTER ZERO=47116+0
1474	005716	001401		BEQ	.+4	
1475	005720	000000		HLT		;ADD 47116 TO 0 FAILED
1476		000000		N=N+1&175252+N		
1477		047517		M=M+401		
1478	005722	000240		SCOPE		
1479	005724	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1480	005730	062700	047517	ADD	#47517,%0	;ADD 47517 TO 0
1481	005734	022700	047517	CMP	#47517+0,%0	;DOES REGISTER ZERO=47517+0
1482	005740	001401		BEQ	.+4	
1483	005742	000000		HLT		;ADD 47517 TO 0 FAILED
1484		000000		N=N+1&175252+N		
1485		050120		M=M+401		
1486	005744	000240		SCOPE		
1487	005746	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1488	005752	062700	050120	ADD	#50120,%0	;ADD 50120 TO 0
1489	005756	022700	050120	CMP	#50120+0,%0	;DOES REGISTER ZERO=50120+0
1490	005762	001401		BEQ	.+4	
1491	005764	000000		HLT		;ADD 50120 TO 0 FAILED
1492		000000		N=N+1&175252+N		
1493		050521		M=M+401		
1494	005766	000240		SCOPE		
1495	005770	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1496	005774	062700	050521	ADD	#50521,%0	;ADD 50521 TO 0
1497	006000	022700	050521	CMP	#50521+0,%0	;DOES REGISTER ZERO=50521+0
1498	006004	001401		BEQ	.+4	
1499	006006	000000		HLT		;ADD 50521 TO 0 FAILED
1500		000000		N=N+1&175252+N		
1501		051122		M=M+401		
1502	006010	000240		SCOPE		
1503	006012	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1504	006016	062700	051122	ADD	#51122,%0	;ADD 51122 TO 0
1505	006022	022700	051122	CMP	#51122+0,%0	;DOES REGISTER ZERO=51122+0
1506	006026	001401		BEQ	.+4	
1507	006030	000000		HLT		;ADD 51122 TO 0 FAILED
1508		000000		N=N+1&175252+N		
1509		051523		M=M+401		
1510	006032	000240		SCOPE		
1511	006034	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1512	006040	062700	051523	ADD	#51523,%0	;ADD 51523 TO 0
1513	006044	022700	051523	CMP	#51523+0,%0	;DOES REGISTER ZERO=51523+0

1514	006050	001401		BEQ	.+4	
1515	006052	000000		HLT		;ADD 51523 TO 0 FAILED
1516		000000		N=N+1&175252+N		
1517		052124		M=M+401		
1518	006054	000240		SCOPE		
1519	006056	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1520	006062	062700	052124	ADD	#52124,%0	;ADD 52124 TO 0
1521	006066	022700	052124	CMP	#52124+0,%0	;DOES REGISTER ZERO=52124+0
1522	006072	001401		BEQ	.+4	
1523	006074	000000		HLT		;ADD 52124 TO 0 FAILED
1524		000000		N=N+1&175252+N		
1525		052525		M=M+401		
1526	006076	000240		SCOPE		
1527	006100	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1528	006104	062700	052525	ADD	#52525,%0	;ADD 52525 TO 0
1529	006110	022700	052525	CMP	#52525+0,%0	;DOES REGISTER ZERO=52525+0
1530	006114	001401		BEQ	.+4	
1531	006116	000000		HLT		;ADD 52525 TO 0 FAILED
1532		000000		N=N+1&175252+N		
1533		053126		M=M+401		
1534	006120	000240		SCOPE		
1535	006122	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1536	006126	062700	053126	ADD	#53126,%0	;ADD 53126 TO 0
1537	006132	022700	053126	CMP	#53126+0,%0	;DOES REGISTER ZERO=53126+0
1538	006136	001401		BEQ	.+4	
1539	006140	000000		HLT		;ADD 53126 TO 0 FAILED
1540		000000		N=N+1&175252+N		
1541		053527		M=M+401		
1542	006142	000240		SCOPE		
1543	006144	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1544	006150	062700	053527	ADD	#53527,%0	;ADD 53527 TO 0
1545	006154	022700	053527	CMP	#53527+0,%0	;DOES REGISTER ZERO=53527+0
1546	006160	001401		BEQ	.+4	
1547	006162	000000		HLT		;ADD 53527 TO 0 FAILED
1548		000000		N=N+1&175252+N		
1549		054130		M=M+401		
1550	006164	000240		SCOPE		
1551	006166	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1552	006172	062700	054130	ADD	#54130,%0	;ADD 54130 TO 0
1553	006176	022700	054130	CMP	#54130+0,%0	;DOES REGISTER ZERO=54130+0
1554	006202	001401		BEQ	.+4	
1555	006204	000000		HLT		;ADD 54130 TO 0 FAILED
1556		000000		N=N+1&175252+N		
1557		054531		M=M+401		
1558	006206	000240		SCOPE		
1559	006210	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1560	006214	062700	054531	ADD	#54531,%0	;ADD 54531 TO 0
1561	006220	022700	054531	CMP	#54531+0,%0	;DOES REGISTER ZERO=54531+0
1562	006224	001401		BEQ	.+4	
1563	006226	000000		HLT		;ADD 54531 TO 0 FAILED
1564		000000		N=N+1&175252+N		
1565		055132		M=M+401		
1566	006230	000240		SCOPE		
1567	006232	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1568	006236	062700	055132	ADD	#55132,%0	;ADD 55132 TO 0
1569	006242	022700	055132	CMP	#55132+0,%0	;DOES REGISTER ZERO=55132+0

1570	006246	001401		BEQ	.+4	
1571	006250	000000		HLT		;ADD 55132 TO 0 FAILED
1572		000000		N=N+1&175252+N		
1573		055533		M=M+401		
1574	006252	000240		SCOPE		
1575	006254	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1576	006260	062700	055533	ADD	#55533,%0	;ADD 55533 TO 0
1577	006264	022700	055533	CMP	#55533+0,%0	;DOES REGISTER ZERO=55533+0
1578	006270	001401		BEQ	.+4	
1579	006272	000000		HLT		;ADD 55533 TO 0 FAILED
1580		000000		N=N+1&175252+N		
1581		056134		M=M+401		
1582	006274	000240		SCOPE		
1583	006276	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1584	006302	062700	056134	ADD	#56134,%0	;ADD 56134 TO 0
1585	006306	022700	056134	CMP	#56134+0,%0	;DOES REGISTER ZERO=56134+0
1586	006312	001401		BEQ	.+4	
1587	006314	000000		HLT		;ADD 56134 TO 0 FAILED
1588		000000		N=N+1&175252+N		
1589		056535		M=M+401		
1590	006316	000240		SCOPE		
1591	006320	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1592	006324	062700	056535	ADD	#56535,%0	;ADD 56535 TO 0
1593	006330	022700	056535	CMP	#56535+0,%0	;DOES REGISTER ZERO=56535+0
1594	006334	001401		BEQ	.+4	
1595	006336	000000		HLT		;ADD 56535 TO 0 FAILED
1596		000000		N=N+1&175252+N		
1597		057136		M=M+401		
1598	006340	000240		SCOPE		
1599	006342	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1600	006346	062700	057136	ADD	#57136,%0	;ADD 57136 TO 0
1601	006352	022700	057136	CMP	#57136+0,%0	;DOES REGISTER ZERO=57136+0
1602	006356	001401		BEQ	.+4	
1603	006360	000000		HLT		;ADD 57136 TO 0 FAILED
1604		000000		N=N+1&175252+N		
1605		057537		M=M+401		
1606	006362	000240		SCOPE		
1607	006364	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1608	006370	062700	057537	ADD	#57537,%0	;ADD 57537 TO 0
1609	006374	022700	057537	CMP	#57537+0,%0	;DOES REGISTER ZERO=57537+0
1610	006400	001401		BEQ	.+4	
1611	006402	000000		HLT		;ADD 57537 TO 0 FAILED
1612		000000		N=N+1&175252+N		
1613		060140		M=M+401		
1614	006404	000240		SCOPE		
1615	006406	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1616	006412	062700	060140	ADD	#60140,%0	;ADD 60140 TO 0
1617	006416	022700	060140	CMP	#60140+0,%0	;DOES REGISTER ZERO=60140+0
1618	006422	001401		BEQ	.+4	
1619	006424	000000		HLT		;ADD 60140 TO 0 FAILED
1620		000000		N=N+1&175252+N		
1621		060541		M=M+401		
1622	006426	000240		SCOPE		
1623	006430	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1624	006434	062700	060541	ADD	#60541,%0	;ADD 60541 TO 0
1625	006440	022700	060541	CMP	#60541+0,%0	;DOES REGISTER ZERO=60541+0

1626	006444	001401		BEQ	.+4	
1627	006446	000000		HLT		;ADD 60541 TO 0 FAILED
1628		000000		N=N+1&175252+N		
1629		061142		M=M+401		
1630	006450	000240		SCOPE		
1631	006452	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1632	006456	062700	061142	ADD	#61142,%0	;ADD 61142 TO 0
1633	006462	022700	061142	CMP	#61142+0,%0	;DOES REGISTER ZERO=61142+0
1634	006466	001401		BEQ	.+4	
1635	006470	000000		HLT		;ADD 61142 TO 0 FAILED
1636		000000		N=N+1&175252+N		
1637		061543		M=M+401		
1638	006472	000240		SCOPE		
1639	006474	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1640	006500	062700	061543	ADD	#61543,%0	;ADD 61543 TO 0
1641	006504	022700	061543	CMP	#61543+0,%0	;DOES REGISTER ZERO=61543+0
1642	006510	001401		BEQ	.+4	
1643	006512	000000		HLT		;ADD 61543 TO 0 FAILED
1644		000000		N=N+1&175252+N		
1645		062144		M=M+401		
1646	006514	000240		SCOPE		
1647	006516	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1648	006522	062700	062144	ADD	#62144,%0	;ADD 62144 TO 0
1649	006526	022700	062144	CMP	#62144+0,%0	;DOES REGISTER ZERO=62144+0
1650	006532	001401		BEQ	.+4	
1651	006534	000000		HLT		;ADD 62144 TO 0 FAILED
1652		000000		N=N+1&175252+N		
1653		062545		M=M+401		
1654	006536	000240		SCOPE		
1655	006540	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1656	006544	062700	062545	ADD	#62545,%0	;ADD 62545 TO 0
1657	006550	022700	062545	CMP	#62545+0,%0	;DOES REGISTER ZERO=62545+0
1658	006554	001401		BEQ	.+4	
1659	006556	000000		HLT		;ADD 62545 TO 0 FAILED
1660		000000		N=N+1&175252+N		
1661		063146		M=M+401		
1662	006560	000240		SCOPE		
1663	006562	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1664	006566	062700	063146	ADD	#63146,%0	;ADD 63146 TO 0
1665	006572	022700	063146	CMP	#63146+0,%0	;DOES REGISTER ZERO=63146+0
1666	006576	001401		BEQ	.+4	
1667	006600	000000		HLT		;ADD 63146 TO 0 FAILED
1668		000000		N=N+1&175252+N		
1669		063547		M=M+401		
1670	006602	000240		SCOPE		
1671	006604	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1672	006610	062700	063547	ADD	#63547,%0	;ADD 63547 TO 0
1673	006614	022700	063547	CMP	#63547+0,%0	;DOES REGISTER ZERO=63547+0
1674	006620	001401		BEQ	.+4	
1675	006622	000000		HLT		;ADD 63547 TO 0 FAILED
1676		000000		N=N+1&175252+N		
1677		064150		M=M+401		
1678	006624	000240		SCOPE		
1679	006626	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1680	006632	062700	064150	ADD	#64150,%0	;ADD 64150 TO 0
1681	006636	022700	064150	CMP	#64150+0,%0	;DOES REGISTER ZERO=64150+0

1682	006642	001401		BEQ	.+4	
1683	006644	000000		HLT		;ADD 64150 TO 0 FAILED
1684		000000		N=N+1&175252+N		
1685		064551		M=M+401		
1686	006646	000240		SCOPE		
1687	006650	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1688	006654	062700	064551	ADD	#64551,%0	;ADD 64551 TO 0
1689	006660	022700	064551	CMP	#64551+0,%0	;DOES REGISTER ZERO=64551+0
1690	006664	001401		BEQ	.+4	
1691	006666	000000		HLT		;ADD 64551 TO 0 FAILED
1692		000000		N=N+1&175252+N		
1693		065152		M=M+401		
1694	006670	000240		SCOPE		
1695	006672	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1696	006676	062700	065152	ADD	#65152,%0	;ADD 65152 TO 0
1697	006702	022700	065152	CMP	#65152+0,%0	;DOES REGISTER ZERO=65152+0
1698	006706	001401		BEQ	.+4	
1699	006710	000000		HLT		;ADD 65152 TO 0 FAILED
1700		000000		N=N+1&175252+N		
1701		065553		M=M+401		
1702	006712	000240		SCOPE		
1703	006714	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1704	006720	062700	065553	ADD	#65553,%0	;ADD 65553 TO 0
1705	006724	022700	065553	CMP	#65553+0,%0	;DOES REGISTER ZERO=65553+0
1706	006730	001401		BEQ	.+4	
1707	006732	000000		HLT		;ADD 65553 TO 0 FAILED
1708		000000		N=N+1&175252+N		
1709		066154		M=M+401		
1710	006734	000240		SCOPE		
1711	006736	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1712	006742	062700	066154	ADD	#66154,%0	;ADD 66154 TO 0
1713	006746	022700	066154	CMP	#66154+0,%0	;DOES REGISTER ZERO=66154+0
1714	006752	001401		BEQ	.+4	
1715	006754	000000		HLT		;ADD 66154 TO 0 FAILED
1716		000000		N=N+1&175252+N		
1717		066555		M=M+401		
1718	006756	000240		SCOPE		
1719	006760	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1720	006764	062700	066555	ADD	#66555,%0	;ADD 66555 TO 0
1721	006770	022700	066555	CMP	#66555+0,%0	;DOES REGISTER ZERO=66555+0
1722	006774	001401		BEQ	.+4	
1723	006776	000000		HLT		;ADD 66555 TO 0 FAILED
1724		000000		N=N+1&175252+N		
1725		067156		M=M+401		
1726	007000	000240		SCOPE		
1727	007002	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1728	007006	062700	067156	ADD	#67156,%0	;ADD 67156 TO 0
1729	007012	022700	067156	CMP	#67156+0,%0	;DOES REGISTER ZERO=67156+0
1730	007016	001401		BEQ	.+4	
1731	007020	000000		HLT		;ADD 67156 TO 0 FAILED
1732		000000		N=N+1&175252+N		
1733		067557		M=M+401		
1734	007022	000240		SCOPE		
1735	007024	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1736	007030	062700	067557	ADD	#67557,%0	;ADD 67557 TO 0
1737	007034	022700	067557	CMP	#67557+0,%0	;DOES REGISTER ZERO=67557+0

1738	007040	001401		BEQ	.+4	
1739	007042	000000		HLT		;ADD 67557 TO 0 FAILED
1740		000000		N=N+1&175252+N		
1741		070160		M=M+401		
1742	007044	000240		SCOPE		
1743	007046	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1744	007052	062700	070160	ADD	#70160,%0	;ADD 70160 TO 0
1745	007056	022700	070160	CMP	#70160+0,%0	;DOES REGISTER ZERO=70160+0
1746	007062	001401		BEQ	.+4	
1747	007064	000000		HLT		;ADD 70160 TO 0 FAILED
1748		000000		N=N+1&175252+N		
1749		070561		M=M+401		
1750	007066	000240		SCOPE		
1751	007070	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1752	007074	062700	070561	ADD	#70561,%0	;ADD 70561 TO 0
1753	007100	022700	070561	CMP	#70561+0,%0	;DOES REGISTER ZERO=70561+0
1754	007104	001401		BEQ	.+4	
1755	007106	000000		HLT		;ADD 70561 TO 0 FAILED
1756		000000		N=N+1&175252+N		
1757		071162		M=M+401		
1758	007110	000240		SCOPE		
1759	007112	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1760	007116	062700	071162	ADD	#71162,%0	;ADD 71162 TO 0
1761	007122	022700	071162	CMP	#71162+0,%0	;DOES REGISTER ZERO=71162+0
1762	007126	001401		BEQ	.+4	
1763	007130	000000		HLT		;ADD 71162 TO 0 FAILED
1764		000000		N=N+1&175252+N		
1765		071563		M=M+401		
1766	007132	000240		SCOPE		
1767	007134	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1768	007140	062700	071563	ADD	#71563,%0	;ADD 71563 TO 0
1769	007144	022700	071563	CMP	#71563+0,%0	;DOES REGISTER ZERO=71563+0
1770	007150	001401		BEQ	.+4	
1771	007152	000000		HLT		;ADD 71563 TO 0 FAILED
1772		000000		N=N+1&175252+N		
1773		072164		M=M+401		
1774	007154	000240		SCOPE		
1775	007156	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1776	007162	062700	072164	ADD	#72164,%0	;ADD 72164 TO 0
1777	007166	022700	072164	CMP	#72164+0,%0	;DOES REGISTER ZERO=72164+0
1778	007172	001401		BEQ	.+4	
1779	007174	000000		HLT		;ADD 72164 TO 0 FAILED
1780		000000		N=N+1&175252+N		
1781		072565		M=M+401		
1782	007176	000240		SCOPE		
1783	007200	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1784	007204	062700	072565	ADD	#72565,%0	;ADD 72565 TO 0
1785	007210	022700	072565	CMP	#72565+0,%0	;DOES REGISTER ZERO=72565+0
1786	007214	001401		BEQ	.+4	
1787	007216	000000		HLT		;ADD 72565 TO 0 FAILED
1788		000000		N=N+1&175252+N		
1789		073166		M=M+401		
1790	007220	000240		SCOPE		
1791	007222	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1792	007226	062700	073166	ADD	#73166,%0	;ADD 73166 TO 0
1793	007232	022700	073166	CMP	#73166+0,%0	;DOES REGISTER ZERO=73166+0

1794	007236	001401		BEQ	.+4	
1795	007240	000000		HLT		;ADD 73166 TO 0 FAILED
1796		000000		N=N+1&175252+N		
1797		073567		M=M+401		
1798	007242	000240		SCOPE		
1799	007244	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1800	007250	062700	073567	ADD	#73567,%0	;ADD 73567 TO 0
1801	007254	022700	073567	CMP	#73567+0,%0	;DOES REGISTER ZERO=73567+0
1802	007260	001401		BEQ	.+4	
1803	007262	000000		HLT		;ADD 73567 TO 0 FAILED
1804		000000		N=N+1&175252+N		
1805		074170		M=M+401		
1806	007264	000240		SCOPE		
1807	007266	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1808	007272	062700	074170	ADD	#74170,%0	;ADD 74170 TO 0
1809	007276	022700	074170	CMP	#74170+0,%0	;DOES REGISTER ZERO=74170+0
1810	007302	001401		BEQ	.+4	
1811	007304	000000		HLT		;ADD 74170 TO 0 FAILED
1812		000000		N=N+1&175252+N		
1813		074571		M=M+401		
1814	007306	000240		SCOPE		
1815	007310	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1816	007314	062700	074571	ADD	#74571,%0	;ADD 74571 TO 0
1817	007320	022700	074571	CMP	#74571+0,%0	;DOES REGISTER ZERO=74571+0
1818	007324	001401		BEQ	.+4	
1819	007326	000000		HLT		;ADD 74571 TO 0 FAILED
1820		000000		N=N+1&175252+N		
1821		075172		M=M+401		
1822	007330	000240		SCOPE		
1823	007332	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1824	007336	062700	075172	ADD	#75172,%0	;ADD 75172 TO 0
1825	007342	022700	075172	CMP	#75172+0,%0	;DOES REGISTER ZERO=75172+0
1826	007346	001401		BEQ	.+4	
1827	007350	000000		HLT		;ADD 75172 TO 0 FAILED
1828		000000		N=N+1&175252+N		
1829		075573		M=M+401		
1830	007352	000240		SCOPE		
1831	007354	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1832	007360	062700	075573	ADD	#75573,%0	;ADD 75573 TO 0
1833	007364	022700	075573	CMP	#75573+0,%0	;DOES REGISTER ZERO=75573+0
1834	007370	001401		BEQ	.+4	
1835	007372	000000		HLT		;ADD 75573 TO 0 FAILED
1836		000000		N=N+1&175252+N		
1837		076174		M=M+401		
1838	007374	000240		SCOPE		
1839	007376	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1840	007402	062700	076174	ADD	#76174,%0	;ADD 76174 TO 0
1841	007406	022700	076174	CMP	#76174+0,%0	;DOES REGISTER ZERO=76174+0
1842	007412	001401		BEQ	.+4	
1843	007414	000000		HLT		;ADD 76174 TO 0 FAILED
1844		000000		N=N+1&175252+N		
1845		076575		M=M+401		
1846	007416	000240		SCOPE		
1847	007420	012700	000000	MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1848	007424	062700	076575	ADD	#76575,%0	;ADD 76575 TO 0
1849	007430	022700	076575	CMP	#76575+0,%0	;DOES REGISTER ZERO=76575+0

1850	007434	001401			BEQ	.+4	
1851	007436	000000			HLT		;ADD 76575 TO 0 FAILED
1852		000000			N=N+1&175252+N		
1853		077176			M=M+401		
1854	007440	000240			SCOPE		
1855	007442	012700	000000		MOV	#0,%0	;MOVE 0 TO REGISTER ZERO
1856	007446	062700	077176		ADD	#77176,%0	:ADD 77176 TO 0
1857	007452	022700	077176		CMP	#77176+0,%0	;DOES REGISTER ZERO=77176+0
1858	007456	001401			BEQ	.+4	
1859	007460	000000			HLT		;ADD 77176 TO 0 FAILED
1860		000000			N=N+1&175252+N		
1861		077577			M=M+401		
1862	007462	005267	000022		INC	LOOP	
1863	007466	001006			BNE	FIN	
1864	007470	012737	000207	177566	MOV	#207,@#177566	
1865	007476	105737	177564		TSTB	@#177564	
1866	007502	100375			BPL	-4	
1867	007504	000167	170470		JMP	200	
1868	007510	000000			C		
1869		000001			.END		

FIN:
LOOP:

FIN = 007504
HLT = 000000

1863	1867*	273	281	288	295	302	309	316	323	330	337	344
257*	267	365	372	379	386	395	402	409	416	423	430	437
351	358	458	465	472	479	486	493	500	509	516	523	530
444	451	551	558	565	572	579	586	593	600	607	614	623
537	544	644	651	658	665	672	679	686	693	700	707	714
630	637	736	743	750	757	764	771	778	785	792	799	806
721	728	827	834	841	851	859	867	875	883	891	899	907
813	820	931	939	947	955	963	971	979	987	995	1003	1011
915	923	1035	1043	1051	1059	1067	1075	1083	1091	1099	1107	1115
1019	1027	1139	1147	1155	1163	1171	1179	1187	1195	1203	1211	1219
1123	1131	1243	1251	1259	1267	1275	1283	1291	1299	1307	1315	1323
1227	1235	1347	1355	1363	1371	1379	1387	1395	1403	1411	1419	1427
1331	1339	1451	1459	1467	1475	1483	1491	1499	1507	1515	1523	1531
1435	1443	1555	1563	1571	1579	1587	1595	1603	1611	1619	1627	1635
1539	1547	1659	1667	1675	1683	1691	1699	1707	1715	1723	1731	1739
1643	1651	1763	1771	1779	1787	1795	1803	1811	1819	1827	1835	1843
1747	1755											
1851	1859											

LOCP = 007510
= 077577

1862*	1868*	853*	854	861*	862	869*	870	877*	878	885*	886	893*
844*	846	902	909*	910	917*	918	925*	926	933*	934	941*	942
894	901*	957*	958	965*	966	973*	974	981*	982	989*	990	997*
949*	950	1006	1013*	1014	1021*	1022	1023*	1030	1037*	1038	1045*	1046
998	1005*	1061*	1062	1069*	1070	1077*	1078	1085*	1086	1093*	1094	1101*
1053*	1054	1110	1117*	1118	1125*	1126	1133*	1134	1141*	1142	1149*	1150
1102	1109*	1165*	1166	1173*	1174	1181*	1182	1189*	1190	1197*	1198	1205*
1157*	1158	1214	1221*	1222	1229*	1230	1237*	1238	1245*	1246	1253*	1254
1206	1213*	1269*	1270	1277*	1278	1285*	1286	1293*	1294	1301*	1302	1309*
1261*	1262	1318	1325*	1326	1333*	1334	1341*	1342	1349*	1350	1357*	1358
1310	1317*	1373*	1374	1381*	1382	1389*	1390	1397*	1398	1405*	1406	1413*
1365*	1366	1422	1429*	1430	1437*	1438	1445*	1446	1453*	1454	1461*	1462
1414	1421*	1477*	1478	1485*	1486	1493*	1494	1501*	1502	1509*	1510	1517*
1469*	1470	1526	1533*	1534	1541*	1542	1549*	1550	1557*	1558	1565*	1566
1518	1525*	1581*	1582	1589*	1590	1597*	1598	1605*	1606	1613*	1614	1621*
1573*	1574	1630	1637*	1638	1645*	1646	1653*	1654	1661*	1662	1669*	1670
1622	1629*	1685*	1686	1693*	1694	1701*	1702	1709*	1710	1717*	1718	1725*
1677*	1678	1734	1741*	1742	1749*	1750	1757*	1758	1765*	1766	1773*	1774
1726	1733*	1789*	1790	1797*	1798	1805*	1806	1813*	1814	1821*	1822	1829*
1781*	1782	1838	1845*	1846	1853*	1854	1861*					
1830	1837*	282*	283	289*	290	296*	297	303*	304	310*	311	317*
275*	276	325	331*	332	338*	339	345*	346	352*	353	359*	360
319	324*	373*	374	380*	381	387*	389*	390	396*	397	403*	404
366*	367	417*	418	424*	425	431*	432	438*	439	445*	446	452*
410*	411	460	466*	467	473*	474	480*	481	487*	488	494*	495
453	459*	504	510*	511	517*	518	524*	525	531*	532	538*	539
501*	503*	552*	553	559*	560	566*	567	573*	574	580*	581	587*
545*	546	601*	602	608*	609	615*	617*	618	624*	625	631*	632
588	594*	645*	646	652*	653	659*	660	666*	667	673*	674	680*
632	638*	687*	688	694*	695	701*	702	708*	709	715*	716	722*
680*	681	730*	731	737*	738	744*	745	751*	752	758*	759	765*
723	729*	773	779*	780	786*	787	793*	794	800*	801	807*	808
766	772*	821*	822	828*	829	835*	836	842*	845*	846	852*	854
814*	815	868*	870	876*	878	884*	886	892*	894	900*	902	908*
860*	862	918	924*	926	932*	934*	940*	942	948*	950	956*	958
910	916*	972*	974	980*	982	988*	990	996*	998	1004*	1006	1012*
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583	591	597	604	611	620	627	634	641	648	655	662	669	676	683
690	698	704	711	718	725	733	740	747	754	761	768	775	782	789
796	803	810	817	824	831	838	848	856	864	872	880	888	896	904
912	920	928	936	944	952	960	968	976	984	992	1000	1008	1016	1024
1030	1040	1048	1056	1064	1072	1080	1088	1096	1104	1112	1120	1128	1136	1144
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BE

265	271	279	286	293	300	307	314	321	328	335	342	349	356	363
370	377	384	393	400	407	414	421	428	435	442	449	456	463	470
477	484	491	498	507	514	521	528	535	542	549	556	563	570	577
584	591	598	605	612	621	628	635	642	649	656	663	670	677	684
691	698	705	712	719	726	734	741	748	755	762	769	776	783	790
797	804	811	818	825	832	839	849	857	865	873	881	889	897	905
913	921	929	937	945	953	961	969	977	985	993	1001	1009	1017	1025
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1633	1641	1649	1657	1665	1673	1681	1689	1697	1705	1713	1721	1729	1737	1745
1753	1761	1769	1777	1785	1793	1801	1809	1817	1825	1833	1841	1849	1857	

BEPL

MCY

269	277	284	291	298	305	312	319	326	333	340	347	354	361	
368	375	382	391	398	405	412	419	426	433	440	447	454	461	468
475	482	489	496	505	512	519	526	533	540	547	554	561	568	575
582	589	596	603	610	619	626	633	640	647	654	661	668	675	682
689	696	703	710	717	724	732	739	746	753	760	767	774	781	788
795	802	809	816	823	830	837	847	855	863	871	879	887	895	903
911	919	927	935	943	951	959	967	975	983	991	999	1007	1015	1023
1031	1039	1047	1055	1063	1071	1079	1087	1095	1103	1111	1119	1127	1135	1143
1151	1159	1167	1175	1183	1191	1199	1207	1215	1223	1231	1239	1247	1255	1263

	1271	1279	1287	1295	1303	1311	1319	1327	1335	1343	1351	1359	1367	1375	1383
	1391	1399	1407	1415	1423	1431	1439	1447	1455	1463	1471	1479	1487	1495	1503
	1511	1519	1527	1535	1543	1551	1559	1567	1575	1583	1591	1599	1607	1615	1623
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