

TEST

TEST 12 JMP
MD-11-DOL-A

EP-DOL-A-DL-A
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FICHE 1 OF 1

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This microfiche card contains a grid of frames. The frames are arranged in approximately 12 rows and 7 columns. The first column contains frames with small text and diagrams. The second through sixth columns contain frames with vertical test patterns, including grids and lines. The seventh column contains frames with horizontal test patterns, including lines and grids. The right half of the card is a large, dark, mostly blank area.



.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 HITTELL

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-CDEA
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

11-DOAA 11-DOBA 11-DOCA 11-DODA 11-CDEA 11-DOFA 11-DOGA 11-DOHA 11-DOIA 11-DOJA 11-DOKA 11-DOLA

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- 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 ON 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

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7.2 OPERATIONAL RESTRICTION
NONE

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8. MISCELLANEOUS

IF A HALT OCCURES IN THE TRAP OR INTERRUPT VECTOR AREA, REGISTER SIX SHOULD BE EXAMINED TO DETERMINE ITS CONTENTS, THEN USE REGISTER SIX CONTENTS AS AN ADDRESS TO DETERMINE THE LOCATION THE PROGRAM WAS AT, WHEN THE INTERRUPT OR TRAP OCCURRED. (MEMORY AS SPECIFIED BY R6 CONTAINS THE PC OF THE INSTRUCTION FOLLOWING THE INSTRUCTION WHERE THE TRAP OCCURED)

8.1 EXECUTION TIME

TIME BETWEEN BELLS

FOR TAPE 1	5	MINUTES
FOR TAPE 2	2.5	MINUTES
FOR TAPE 3	3	MINUTES
FOR TAPE 4	6	MINUTES
FOR TAPE 5	5	MINUTES
FOR TAPE 6	6	MINUTES
FOR TAPE 7	5	MINUTES
FOR TAPE 8	6	MINUTES
FOR TAPE 9	3	MINUTES
FOR TAPE 10	4	MINUTES
FOR TAPE 11	2	MINUTES
FOR TAPE 12	4	MINUTES

9. PROGRAM DESCRIPTION

- TEST 1 THIS IS A TEST OF THE UNCONDITIONAL BRANCH INSTRUCTION, IT PROVES THAT A LONG PROGRAM CAN BE LOADED AND THE INSTRUCTIONS CAN BE EXECUTED THROUGHOUT MEMORY.
- TEST 2 THIS IS A CONDITIONAL BRANCH TEST USING ALL OF THE CONDITIONAL BRANCH INSTRUCTIONS. IT TESTS THAT ALL COMBINATIONS OF CONDITION CODES ARE RESPONDED TO CORRECTLY. (THE CONDITION CODES ARE MANIPULATED WITH THE MICRO-PROGRAM OPERATIONS.)
- TEST 3 THIS IS A TEST OF THE UNARY INSTRUCTIONS AND THEIR EFFECTS UPON THE CONDITION CODES ONLY. MOSTLY REGISTER OPERATIONS.
- TEST 4 THIS IS A COMBINED USE OF UNARY AND BINARY INSTRUCTIONS TESTING THE RESULTS AND THE CONDITION CODES.
- TEST 5 THIS TEST ROTATE AND SHIFT INSTRUCTION, BOTH THE REGISTERS AND MEMORY LOCATIONS, WORD AND BYTE, ARE TESTED.
- TEST 6 THIS IS A TEST OF THE COMPARE INSTRUCTIONS FOR

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

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TEST 7 COMPARE NOT. THIS IS A TEST OF THE COMPARE INSTRUCTIONS WHERE NO VALUES ARE EQUAL. HERE BRANCHES FOR NOT EQUAL, GREATER THAN AND LESS THAN, ETC., ARE TESTED.

TEST 8 CHECKS THE MOVE INSTRUCTION BOTH TO MEMORY AND REGISTERS.

TEST 9 CHECK THE BIS, BIC AND BIT INSTRUCTION BOTH TO MEMORY AND TO REGISTERS.

TEST 10 TESTS THE ADD INSTRUCTION.

TEST 11 TESTS THE SUBTRACT INSTRUCTION.

TEST 12 TEST OF THE JUMP INSTRUCTION IN MOST MODES.

NOTE THAT STACK OPERATION AND INSTRUCTIONS THAT USE THEM ARE NOT TESTED IN THIS GROUP OF TEST.

- 10. LISTING
- 11. FLOW CHART(S)


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254                                     : TEST 12
255                                     : COPYRIGHT 1970, DIGITAL EQUIPMENT CORP., MAYNARD, MASS.
256                                     : JMP TEST OF 4K OF MEMORY
257                                     : %0 USED TO COMPARE EXPECTED PC VALUE
258                                     : %1 USED FOR JMP -(1)
259                                     : %2 SHOULD CONTAIN AN OFFSET OF 10
260                                     : %3 SHOULD CONTAIN AN OFFSET OF 4
261                                     : %4 SHOULD CONTAIN AN OFFSET OF 16
262                                     : %5 SHOULD CONTAIN AN OFFSET OF 14
263                                     HALT=HALT
264                                     A=10 ;VALUE INDEXD TO REGISTER ZERO
265                                     .=0
266 000000 000002 .+2 ; TRAP ENTRANCE
267 000002 000000 HALT ; TRAPPED TO PREVIOUS ADDRESS
268 000004 000006 .+2 ; TRAP ENTRANCE
269 000006 000000 HALT ; TRAPPED TO PREVIOUS ADDRESS
270 000010 000012 .+2 ; TRAP ENTRANCE
271 000012 000000 HALT ; TRAPPED TO PREVIOUS ADDRESS
272 000014 000016 .+2 ; TRAP ENTRANCE
273 000016 000000 HALT ; TRAPPED TO PREVIOUS ADDRESS
274 000020 000022 .+2 ; TRAP ENTRANCE
275 000022 000000 HALT ; TRAPPED TO PREVIOUS ADDRESS
276 000024 000026 .+2 ; TRAP ENTRANCE
277 000026 000000 HALT ; TRAPPED TO PREVIOUS ADDRESS
278 000030 000032 .+2 ; TRAP ENTRANCE
279 000032 000000 HALT ; TRAPPED TO PREVIOUS ADDRESS
280 000034 000036 .+2 ; TRAP ENTRANCE
281 000036 000000 HALT ; TRAPPED TO PREVIOUS ADDRESS
282 000040 000042 .+2 ; TRAP ENTRANCE
283 000042 000000 HALT ; TRAPPED TO PREVIOUS ADDRESS
284 000044 000046 .+2 ; TRAP ENTRANCE
285 000046 000000 HALT ; TRAPPED TO PREVIOUS ADDRESS
286 000050 000052 .+2 ; TRAP ENTRANCE
287 000052 000000 HALT ; TRAPPED TO PREVIOUS ADDRESS
288 000054 000056 .+2 ; TRAP ENTRANCE
289 000056 000000 HALT ; TRAPPED TO PREVIOUS ADDRESS
290 000060 000062 .+2 ; TRAP ENTRANCE
291 000062 000000 HALT ; TRAPPED TO PREVIOUS ADDRESS
292 000064 000066 .+2 ; TRAP ENTRANCE
293 000066 000000 HALT ; TRAPPED TO PREVIOUS ADDRESS
294 000070 000072 .+2 ; TRAP ENTRANCE
295 000072 000000 HALT ; TRAPPED TO PREVIOUS ADDRESS
296 000074 000076 .+2 ; TRAP ENTRANCE
297 000076 000000 HALT ; TRAPPED TO PREVIOUS ADDRESS
298 000200 000200 .=200
299 000200 012700 000226 BEGIN: MOV #START+6,%0
300 000204 012703 000004 MOV #4,%3
301 000210 012704 000016 MOV #16,%4
302 000214 012702 000010 MOV #10,%2
303 000220 012705 000014 START: MOV #14,%5
304 000224 000110 JMP #%0
305 000226 060300 ADD %3,%0
306 000230 020700 CMP %7,%0 ;%0 POINTS HERE
307 000232 001401 BEQ .+4

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308	000234	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
309	000236	000167	000000	JMP	.+4	
310	000242	060500		ADD	%5,%0	
311	000244	020700		CMP	%7,%0	;%0 POINTS HERE
312	000246	001401		BEQ	.+4	
313	000250	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
314						
315	000252	000137	000256	JMP	2*.+4	
316	000256	060500		ADD	%5,%0	
317	000260	020700		CMP	%7,%0	;%0 POINTS HERE
318	000262	001401		BEQ	.+4	
319	000264	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
320	000266	060400		ADD	%4,%0	
321						
322						
323	000270	000177	000000	JMP	2.+4	
324	000274	000276		.+2		
325	000276	020700		CMP	%7,%0	;%0 POINTS HERE
326	000300	001401		BEQ	.+4	
327	000302	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
328						
329	000304	000160	000010	JMP	A(0)	
330	000310	060500		ADD	%5,%0	
331	000312	020700		CMP	%7,%0	;%0 POINTS HERE
332	000314	001401		BEQ	.+4	
333	000316	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
334						
335	000320	060200		ADD	%2,%0	
336	000322	000110		JMP	2%0	
337	000324	060300		ADD	%3,%0	
338	000326	020700		CMP	%7,%0	;%0 POINTS HERE
339	000330	001401		BEQ	.+4	
340	000332	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
341	000334	000167	000000	JMP	.+4	
342	000340	060500		ADD	%5,%0	
343	000342	020700		CMP	%7,%0	;%0 POINTS HERE
344	000344	001401		BEQ	.+4	
345	000346	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
346						
347	000350	000137	000354	JMP	2*.+4	
348	000354	060500		ADD	%5,%0	
349	000356	020700		CMP	%7,%0	;%0 POINTS HERE
350	000360	001401		BEQ	.+4	
351	000362	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
352	000364	060400		ADD	%4,%0	
353						
354						
355	000366	000177	000000	JMP	2.+4	
356	000372	000374		.+2		
357	000374	020700		CMP	%7,%0	;%0 POINTS HERE
358	000376	001401		BEQ	.+4	
359	000400	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
360						
361	000402	000160	000010	JMP	A(0)	
362	000406	060500		ADD	%5,%0	
363	000410	020700		CMP	%7,%0	;%0 POINTS HERE

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364	000412	001401		BEQ	.+4	
365	000414	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
366						
367	000416	060200		ADD	%2,%0	
368	000420	000110		JMP	%0	
369	000422	060300		ADD	%3,%0	
370	000424	020700		CMP	%7,%0	;%0 POINTS HERE
371	000426	001401		BEQ	.+4	
372	000430	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
373	000432	000167	000000	JMP	.+4	
374	000436	060500		ADD	%5,%0	
375	000440	020700		CMP	%7,%0	;%0 POINTS HERE
376	000442	001401		BEQ	.+4	
377	000444	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
378						
379	000446	000137	000452	JMP	%+.+4	
380	000452	060500		ADD	%5,%0	
381	000454	020700		CMP	%7,%0	;%0 POINTS HERE
382	000456	001401		BEQ	.+4	
383	000460	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
384	000462	060400		ADD	%4,%0	
385						
386						
387	000464	000177	000000	JMP	%+.+4	
388	000470	000472		.+2		
389	000472	020700		CMP	%7,%0	;%0 POINTS HERE
390	000474	001401		BEQ	.+4	
391	000476	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
392						
393	000500	000160	000010	JMP	A(0)	
394	000504	060500		ADD	%5,%0	
395	000506	020700		CMP	%7,%0	;%0 POINTS HERE
396	000510	001401		BEQ	.+4	
397	000512	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
398						
399	000514	060200		ADD	%2,%0	
400	000516	000110		JMP	%0	
401	000520	060300		ADD	%3,%0	
402	000522	020700		CMP	%7,%0	;%0 POINTS HERE
403	000524	001401		BEQ	.+4	
404	000526	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
405	000530	000167	000000	JMP	.+4	
406	000534	060500		ADD	%5,%0	
407	000536	020700		CMP	%7,%0	;%0 POINTS HERE
408	000540	001401		BEQ	.+4	
409	000542	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
410						
411	000544	000137	000550	JMP	%+.+4	
412	000550	060500		ADD	%5,%0	
413	000552	020700		CMP	%7,%0	;%0 POINTS HERE
414	000554	001401		BEQ	.+4	
415	000556	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
416	000560	060400		ADD	%4,%0	
417						
418						
419	000562	000177	000000	JMP	%+.+4	

420	000566	000570		.+2		
421	000570	020700		CMP	%7,%0	;%0 POINTS HERE
422	000572	001401		BEQ	.+4	
423	000574	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
424						
425	000576	000160	000010	JMP	A(0)	
426	000602	060500		ADD	%5,%0	
427	000604	020700		CMP	%7,%0	;%0 POINTS HERE
428	000606	001401		BEQ	.+4	
429	000610	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
430						
431	000612	060200		ADD	%2,%0	
432	000614	000110		JMP	2%0	
433	000616	060300		ADD	%3,%0	
434	000620	020700		CMP	%7,%0	;%0 POINTS HERE
435	000622	001401		BEQ	.+4	
436	000624	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
437	000626	000167	000000	JMP	.+4	
438	000632	060500		ADD	%5,%0	
439	000634	020700		CMP	%7,%0	;%0 POINTS HERE
440	000636	001401		BEQ	.+4	
441	000640	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
442						
443	000642	000137	000646	JMP	2#. +4	
444	000646	060500		ADD	%5,%0	
445	000650	020700		CMP	%7,%0	;%0 POINTS HERE
446	000652	001401		BEQ	.+4	
447	000654	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
448	000656	060400		ADD	%4,%0	
449						
450						
451	000660	000177	000000	JMP	2. +4	
452	000664	000666		.+2		
453	000666	020700		CMP	%7,%0	;%0 POINTS HERE
454	000670	001401		BEQ	.+4	
455	000672	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
456						
457	000674	000160	000010	JMP	A(0)	
458	000700	060500		ADD	%5,%0	
459	000702	020700		CMP	%7,%0	;%0 POINTS HERE
460	000704	001401		BEQ	.+4	
461	000706	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
462						
463	000710	060200		ADD	%2,%0	
464	000712	000110		JMP	2%0	
465	000714	060300		ADD	%3,%0	
466	000716	020700		CMP	%7,%0	;%0 POINTS HERE
467	000720	001401		BEQ	.+4	
468	000722	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
469	000724	000167	000000	JMP	.+4	
470	000730	060500		ADD	%5,%0	
471	000732	020700		CMP	%7,%0	;%0 POINTS HERE
472	000734	001401		BEQ	.+4	
473	000736	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
474						
475	000740	000137	000744	JMP	2#. +4	

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476	000744	060500		ADD	%5,%0	
477	000746	020700		CMP	%7,%0	; %0 POINTS HERE
478	000750	001401		BEQ	+.4	
479	000752	000000		HLT		; JMP BEFORE VALUE IN REGISTER 0 BAD
480	000754	060400		ADD	%4,%0	
481						
482						
483	000756	000177	000000	JMP	a.+4	
484	000762	000764		.+2		
485	000764	020700		CMP	%7,%0	; %0 POINTS HERE
486	000766	001401		BEQ	+.4	
487	000770	000000		HLT		; JMP BEFORE VALUE IN REGISTER ZERO BAD
488						
489	000772	000160	000010	JMP	A(0)	
490	000776	060500		ADD	%5,%0	
491	001000	020700		CMP	%7,%0	; %0 POINTS HERE
492	001002	001401		BEQ	+.4	
493	001004	000000		HLT		; JMP BEFORE VALUE IN REGISTER 0 BAD
494						
495	001006	060200		ADD	%2,%0	
496	001010	000110		JMP	a%0	
497	001012	060300		ADD	%3,%0	
498	001014	020700		CMP	%7,%0	; %0 POINTS HERE
499	001016	001401		BEQ	+.4	
500	001020	000000		HLT		; JMP BEFORE VALUE IN REGISTER 0 BAD
501	001022	000167	000000	JMP	+.4	
502	001026	060500		ADD	%5,%0	
503	001030	020700		CMP	%7,%0	; %0 POINTS HERE
504	001032	001401		BEQ	+.4	
505	001034	000000		HLT		; JMP BEFORE VALUE IN REGISTER 0 BAD
506						
507	001036	000137	001042	JMP	a%.+4	
508	001042	060500		ADD	%5,%0	
509	001044	020700		CMP	%7,%0	; %0 POINTS HERE
510	001046	001401		BEQ	+.4	
511	001050	000000		HLT		; JMP BEFORE VALUE IN REGISTER 0 BAD
512	001052	060400		ADD	%4,%0	
513						
514						
515	001054	000177	000000	JMP	a.+4	
516	001060	001062		.+2		
517	001062	020700		CMP	%7,%0	; %0 POINTS HERE
518	001064	001401		BEQ	+.4	
519	001066	000000		HLT		; JMP BEFORE VALUE IN REGISTER ZERO BAD
520						
521	001070	000160	000010	JMP	A(0)	
522	001074	060500		ADD	%5,%0	
523	001076	020700		CMP	%7,%0	; %0 POINTS HERE
524	001100	001401		BEQ	+.4	
525	001102	000000		HLT		; JMP BEFORE VALUE IN REGISTER 0 BAD
526						
527	001104	060200		ADD	%2,%0	
528	001106	000110		JMP	a%0	
529	001110	060300		ADD	%3,%0	
530	001112	020700		CMP	%7,%0	; %0 POINTS HERE
531	001114	001401		BEQ	+.4	

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532	001116	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
533	001120	000167	000000	JMP	.+4		
534	001124	060500		ADD	%5,%0		
535	001126	020700		CMP	%7,%0		;%0 POINTS HERE
536	001130	001401		BEQ	.+4		
537	001132	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
538							
539	001134	000137	001140	JMP	0#. +4		
540	001140	060500		ADD	%5,%0		
541	001142	020700		CMP	%7,%0		;%0 POINTS HERE
542	001144	001401		BEQ	.+4		
543	001146	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
544	001150	060400		ADD	%4,%0		
545							
546							
547	001152	000177	000000	JMP	0. +4		
548	001156	001160		.+2			
549	001160	020700		CMP	%7,%0		;%0 POINTS HERE
550	001162	001401		BEQ	.+4		
551	001164	000000		HLT			;JMP BEFORE VALUE IN REGISTER ZERO BAD
552							
553	001166	000160	000010	JMP	A(0)		
554	001172	060500		ADD	%5,%0		
555	001174	020700		CMP	%7,%0		;%0 POINTS HERE
556	001176	001401		BEQ	.+4		
557	001200	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
558							
559	001202	060200		ADD	%2,%0		
560	001204	000110		JMP	0%0		
561	001206	060300		ADD	%3,%0		
562	001210	020700		CMP	%7,%0		;%0 POINTS HERE
563	001212	001401		BEQ	.+4		
564	001214	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
565	001216	000167	000000	JMP	.+4		
566	001222	060500		ADD	%5,%0		;%0 POINTS HERE
567	001224	020700		CMP	%7,%0		
568	001226	001401		BEQ	.+4		
569	001230	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
570							
571	001232	000137	001236	JMP	0#. +4		
572	001235	060500		ADD	%5,%0		
573	001240	020700		CMP	%7,%0		;%0 POINTS HERE
574	001242	001401		BEQ	.+4		
575	001244	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
576	001246	060400		ADD	%4,%0		
577							
578							
579	001250	000177	000000	JMP	0. +4		
580	001254	001256		.+2			
581	001256	020700		CMP	%7,%0		;%0 POINTS HERE
582	001260	001401		BEQ	.+4		
583	001262	000000		HLT			;JMP BEFORE VALUE IN REGISTER ZERO BAD
584							
585	001264	000160	000010	JMP	A(0)		
586	001270	060500		ADD	%5,%0		
587	001272	020700		CMP	%7,%0		;%0 POINTS HERE

588	001274	001401		BEQ	.+4	
589	001276	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
591	001300	060200		ADD	%2,%0	
592	001302	000110		JMP	0%0	
593	001304	060300		ADD	%3,%0	
594	001306	020700		CMP	%7,%0	;%0 POINTS HERE
595	001310	001401		BEQ	.+4	
596	001312	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
597	001314	000167	000000	JMP	.+4	
598	001320	060500		ADD	%5,%0	
599	001322	020700		CMP	%7,%0	;%0 POINTS HERE
600	001324	001401		BEQ	.+4	
601	001326	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
602						
603	001330	000137	001334	JMP	00.+4	
604	001334	060500		ADD	%5,%0	
605	001336	020700		CMP	%7,%0	;%0 POINTS HERE
606	001340	001401		BEQ	.+4	
607	001342	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
608	001344	060400		ADD	%4,%0	
609						
610						
611	001346	000177	000000	JMP	0.+4	
612	001352	001354			.+2	
613	001354	020700		CMP	%7,%0	;%0 POINTS HERE
614	001356	001401		BEQ	.+4	
615	001360	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
616						
617	001362	000160	000010	JMP	A(0)	
618	001366	060500		ADD	%5,%0	
619	001370	020700		CMP	%7,%0	;%0 POINTS HERE
620	001372	001401		BEQ	.+4	
621	001374	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
622						
623	001376	060200		ADD	%2,%0	
624	001400	000110		JMP	0%0	
625	001402	060300		ADD	%3,%0	
626	001404	020700		CMP	%7,%0	;%0 POINTS HERE
627	001406	001401		BEQ	.+4	
628	001410	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
629	001412	000167	000000	JMP	.+4	
630	001416	060500		ADD	%5,%0	
631	001420	020700		CMP	%7,%0	;%0 POINTS HERE
632	001422	001401		BEQ	.+4	
633	001424	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
634						
635	001426	000137	001432	JMP	00.+4	
636	001432	060500		ADD	%5,%0	
637	001434	020700		CMP	%7,%0	;%0 POINTS HERE
638	001436	001401		BEQ	.+4	
639	001440	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
640	001442	060400		ADD	%4,%0	
641						
642						
643	001444	000177	000000	JMP	0.+4	

644	001450	001452		.+2		
645	001452	020700		CMP	%7,%0	;%0 POINTS HERE
646	001454	001401		BEQ	.+4	
647	001456	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
648						
649	001460	000160	000010	JMP	A(0)	
650	001464	060500		ADD	%5,%0	
651	001466	020700		CMP	%7,%0	;%0 POINTS HERE
652	001470	001401		BEQ	.+4	
653	001472	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
654						
655	001474	060200		ADD	%2,%0	
656	001476	000110		JMP	2%0	
657	001500	060300		ADD	%3,%0	
658	001502	020700		CMP	%7,%0	;%0 POINTS HERE
659	001504	001401		BEQ	.+4	
660	001506	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
661	001510	000167	000000	JMP	.+4	
662	001514	060500		ADD	%5,%0	
663	001516	020700		CMP	%7,%0	;%0 POINTS HERE
664	001520	001401		BEQ	.+4	
665	001522	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
666						
667	001524	000137	001530	JMP	28.+4	
668	001530	060500		ADD	%5,%0	
669	001532	020700		CMP	%7,%0	;%0 POINTS HERE
670	001534	001401		BEQ	.+4	
671	001536	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
672	001540	060400		ADD	%4,%0	
673						
674						
675	001542	000177	000000	JMP	2.+4	
676	001546	001550		.+2		
677	001550	020700		CMP	%7,%0	;%0 POINTS HERE
678	001552	001401		BEQ	.+4	
679	001554	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
680						
681	001556	000160	000010	JMP	A(0)	
682	001562	060500		ADD	%5,%0	
683	001564	020700		CMP	%7,%0	;%0 POINTS HERE
684	001566	001401		BEQ	.+4	
685	001570	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
686						
687	001572	060200		ADD	%2,%0	
688	001574	000110		JMP	2%0	
689	001576	060300		ADD	%3,%0	
690	001600	020700		CMP	%7,%0	;%0 POINTS HERE
691	001602	001401		BEQ	.+4	
692	001604	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
693	001606	000167	000000	JMP	.+4	
694	001612	060500		ADD	%5,%0	
695	001614	020700		CMP	%7,%0	;%0 POINTS HERE
696	001616	001401		BEQ	.+4	
697	001620	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
698						
699	001622	000137	001626	JMP	28.+4	

700	001626	060500		ADD	%5,%0	
701	001630	020700		CMP	%7,%0	;%0 POINTS HERE
702	001632	001401		BEQ	+.4	
703	001634	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
704	001636	060400		ADD	%4,%0	
705						
706						
707	001640	000177	000000	JMP	2.+4	
708	001644	001646		.+2		
709	001646	020700		CMP	%7,%0	;%0 POINTS HERE
710	001650	001401		BEQ	+.4	
711	001652	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
712						
713	001654	000160	000010	JMP	A(0)	
714	001660	060500		ADD	%5,%0	
715	001662	020700		CMP	%7,%0	;%0 POINTS HERE
716	001664	001401		BEQ	+.4	
717	001666	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
718						
719	001670	060200		ADD	%2,%0	
720	001672	000110		JMP	2%0	
721	001674	060300		ADD	%3,%0	
722	001676	020700		CMP	%7,%0	;%0 POINTS HERE
723	001700	001401		BEQ	+.4	
724	001702	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
725	001704	000167	000000	JMP	+.4	
726	001710	060500		ADD	%5,%0	
727	001712	020700		CMP	%7,%0	;%0 POINTS HERE
728	001714	001401		BEQ	+.4	
729	001716	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
730						
731	001720	000137	001724	JMP	28.+4	
732	001724	060500		ADD	%5,%0	
733	001726	020700		CMP	%7,%0	;%0 POINTS HERE
734	001730	001401		BEQ	+.4	
735	001732	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
736	001734	060400		ADD	%4,%0	
737						
738						
739	001736	000177	000000	JMP	2.+4	
740	001742	001744		.+2		
741	001744	020700		CMP	%7,%0	;%0 POINTS HERE
742	001746	001401		BEQ	+.4	
743	001750	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
744						
745	001752	000160	000010	JMP	A(0)	
746	001756	060500		ADD	%5,%0	
747	001760	020700		CMP	%7,%0	;%0 POINTS HERE
748	001762	001401		BEQ	+.4	
749	001764	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
750						
751	001766	060200		ADD	%2,%0	
752	001770	000110		JMP	2%0	
753	001772	060300		ADD	%3,%0	
754	001774	020700		CMP	%7,%0	;%0 POINTS HERE
755	001776	001401		BEQ	+.4	

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756	002000	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
757	002002	000167	000000	JMP	.+4	
758	002006	060500		ADD	%5,%0	
759	002010	020700		CMP	%7,%0	;%0 POINTS HERE
760	002012	001401		BEQ	.+4	
761	002014	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
762						
763	002016	000137	002022	JMP	2*.+4	
764	002022	060500		ADD	%5,%0	
765	002024	020700		CMP	%7,%0	;%0 POINTS HERE
766	002026	001401		BEQ	.+4	
767	002030	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
768	002032	060400		ADD	%4,%0	
769						
770						
771	002034	000177	000000	JMP	2.+4	
772	002040	002042		.+2		
773	002042	020700		CMP	%7,%0	;%0 POINTS HERE
774	002044	001401		BEQ	.+4	
775	002046	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
776						
777	002050	000160	000010	JMP	A(0)	
778	002054	060500		ADD	%5,%0	
779	002056	020700		CMP	%7,%0	;%0 POINTS HERE
780	002060	001401		BEQ	.+4	
781	002062	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
782						
783	002064	060200		ADD	%2,%0	
784	002066	000110		JMP	2%0	
785	002070	060300		ADD	%3,%0	
786	002072	020700		CMP	%7,%0	;%0 POINTS HERE
787	002074	001401		BEQ	.+4	
788	002076	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
789	002100	000167	000000	JMP	.+4	
790	002104	060500		ADD	%5,%0	
791	002106	020700		CMP	%7,%0	;%0 POINTS HERE
792	002110	001401		BEQ	.+4	
793	002112	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
794						
795	002114	000137	002120	JMP	2*.+4	
796	002120	060500		ADD	%5,%0	
797	002122	020700		CMP	%7,%0	;%0 POINTS HERE
798	002124	001401		BEQ	.+4	
799	002126	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
800	002130	060400		ADD	%4,%0	
801						
802						
803	002132	000177	000000	JMP	2.+4	
804	002136	002140		.+2		
805	002140	020700		CMP	%7,%0	;%0 POINTS HERE
806	002142	001401		BEQ	.+4	
807	002144	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
808						
809	002146	000160	000010	JMP	A(0)	
810	002152	060500		ADD	%5,%0	
811	002154	020700		CMP	%7,%0	;%0 POINTS HERE

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812	002156	001401		BEQ	.+4	
813	002160	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
814						
815	002162	060200		ADD	%2,%0	
816	002164	000110		JMP	%0	
817	002166	060300		ADD	%3,%0	
818	002170	020700		CMP	%7,%0	;%0 POINTS HERE
819	002172	001401		BEQ	.+4	
820	002174	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
821	002176	000167	000000	JMP	.+4	
822	002202	060500		ADD	%5,%0	
823	002204	020700		CMP	%7,%0	;%0 POINTS HERE
824	002206	001401		BEQ	.+4	
825	002210	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
826						
827	002212	000137	002216	JMP	%0.+4	
828	002216	060500		ADD	%5,%0	
829	002220	020700		CMP	%7,%0	;%0 POINTS HERE
830	002222	001401		BEQ	.+4	
831	002224	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
832	002226	060400		ADD	%4,%0	
833						
834						
835	002230	000177	000000	JMP	%0.+4	
836	002234	002236			.+2	
837	002236	020700		CMP	%7,%0	;%0 POINTS HERE
838	002240	001401		BEQ	.+4	
839	002242	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
840						
841	002244	000160	000010	JMP	A(0)	
842	002250	060500		ADD	%5,%0	
843	002252	020700		CMP	%7,%0	;%0 POINTS HERE
844	002254	001401		BEQ	.+4	
845	002256	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
846						
847	002260	060200		ADD	%2,%0	
848	002262	000110		JMP	%0	
849	002264	060300		ADD	%3,%0	
850	002266	020700		CMP	%7,%0	;%0 POINTS HERE
851	002270	001401		BEQ	.+4	
852	002272	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
853	002274	000167	000000	JMP	.+4	
854	002300	060500		ADD	%5,%0	
855	002302	020700		CMP	%7,%0	;%0 POINTS HERE
856	002304	001401		BEQ	.+4	
857	002306	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
858						
859	002310	000137	002314	JMP	%0.+4	
860	002314	060500		ADD	%5,%0	
861	002316	020700		CMP	%7,%0	;%0 POINTS HERE
862	002320	001401		BEQ	.+4	
863	002322	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
864	002324	060400		ADD	%4,%0	
865						
866						
867	002326	000177	000000	JMP	%0.+4	

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868	002332	002334		.+2		
869	002334	020700		CMP	%7,%0	;%0 POINTS HERE
870	002336	001401		BEQ	.+4	
871	002340	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
872						
873	002342	000160	000010	JMP	A(0)	
874	002346	060500		ADD	%5,%0	
875	002350	020700		CMP	%7,%0	;%0 POINTS HERE
876	002352	001401		BEQ	.+4	
877	002354	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
878						
879	002356	060200		ADD	%2,%0	
880	002360	000110		JMP	2%0	
881	002362	060300		ADD	%3,%0	
882	002364	020700		CMP	%7,%0	;%0 POINTS HERE
883	002366	001401		BEQ	.+4	
884	002370	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
885	002372	000167	000000	JMP	.+4	
886	002376	060500		ADD	%5,%0	
887	002400	020700		CMP	%7,%0	;%0 POINTS HERE
888	002402	001401		BEQ	.+4	
889	002404	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
890						
891	002406	000137	002412	JMP	28.+4	
892	002412	060500		ADD	%5,%0	
893	002414	020700		CMP	%7,%0	;%0 POINTS HERE
894	002416	001401		BEQ	.+4	
895	002420	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
896	002422	060400		ADD	%4,%0	
897						
898						
899	002424	000177	000000	JMP	2.+4	
900	002430	002432		.+2		
901	002432	020700		CMP	%7,%0	;%0 POINTS HERE
902	002434	001401		BEQ	.+4	
903	002436	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
904						
905	002440	000160	000010	JMP	A(0)	
906	002444	060500		ADD	%5,%0	
907	002446	020700		CMP	%7,%0	;%0 POINTS HERE
908	002450	001401		BEQ	.+4	
909	002452	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
910						
911	002454	060200		ADD	%2,%0	
912	002456	000110		JMP	2%0	
913	002460	060300		ADD	%3,%0	
914	002462	020700		CMP	%7,%0	;%0 POINTS HERE
915	002464	001401		BEQ	.+4	
916	002466	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
917	002470	000167	000000	JMP	.+4	
918	002474	060500		ADD	%5,%0	
919	002476	020700		CMP	%7,%0	;%0 POINTS HERE
920	002500	001401		BEQ	.+4	
921	002502	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
922						
923	002504	000137	002510	JMP	28.+4	

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924	002510	060500		ADD	%5,%0	
925	002512	020700		CMP	%7,%0	;%0 POINTS HERE
926	002514	001401		BEQ	+.4	
927	002516	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
928	002520	060400		ADD	%4,%0	
929						
930						
931	002522	000177	000000	JMP	2.+4	
932	002526	002530		.+2		
933	002530	020700		CMP	%7,%0	;%0 POINTS HERE
934	002532	001401		BEQ	+.4	
935	002534	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
936						
937	002536	000160	000010	JMP	A(0)	
938	002542	060500		ADD	%5,%0	
939	002544	020700		CMP	%7,%0	;%0 POINTS HERE
940	002546	001401		BEQ	+.4	
941	002550	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
942						
943	002552	060200		ADD	%2,%0	
944	002554	000110		JMP	2%0	
945	002556	060300		ADD	%3,%0	
946	002560	020700		CMP	%7,%0	;%0 POINTS HERE
947	002562	001401		BEQ	+.4	
948	002564	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
949	002566	000167	000000	JMP	+.4	
950	002572	060500		ADD	%5,%0	
951	002574	020700		CMP	%7,%0	;%0 POINTS HERE
952	002576	001401		BEQ	+.4	
953	002600	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
954						
955	002602	000137	002606	JMP	2+.4	
956	002606	060500		ADD	%5,%0	
957	002610	020700		CMP	%7,%0	;%0 POINTS HERE
958	002612	001401		BEQ	+.4	
959	002614	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
960	002616	060400		ADD	%4,%0	
961						
962						
963	002620	000177	000000	JMP	2.+4	
964	002624	002626		.+2		
965	002626	020700		CMP	%7,%0	;%0 POINTS HERE
966	002630	001401		BEQ	+.4	
967	002632	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
968						
969	002634	000160	000010	JMP	A(0)	
970	002640	060500		ADD	%5,%0	
971	002642	020700		CMP	%7,%0	;%0 POINTS HERE
972	002644	001401		BEQ	+.4	
973	002646	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
974						
975	002650	060200		ADD	%2,%0	
976	002652	000110		JMP	2%0	
977	002654	060300		ADD	%3,%0	
978	002656	020700		CMP	%7,%0	;%0 POINTS HERE
979	002660	001401		BEQ	+.4	

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980	002662	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
981	002664	000167	000000	JMP	.+4	
982	002670	060500		ADD	%5,%0	
983	002672	020700		CMP	%7,%0	;%0 POINTS HERE
984	002674	001401		BEQ	.+4	
985	002676	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
986						
987	002700	000137	002704	JMP	2*.+4	
988	002704	060500		ADD	%5,%0	
989	002706	020700		CMP	%7,%0	;%0 POINTS HERE
990	002710	001401		BEQ	.+4	
991	002712	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
992	002714	060400		ADD	%4,%0	
993						
994						
995	002716	000177	000000	JMP	2.+4	
996	002722	002724		.+2		
997	002724	020700		CMP	%7,%0	;%0 POINTS HERE
998	002726	001401		BEQ	.+4	
999	002730	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1000						
1001	002732	000160	000010	JMP	A(0)	
1002	002736	060500		ADD	%5,%0	
1003	002740	020700		CMP	%7,%0	;%0 POINTS HERE
1004	002742	001401		BEQ	.+4	
1005	002744	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1006						
1007	002746	060200		ADD	%2,%0	
1008	002750	000110		JMP	2%0	
1009	002752	060300		ADD	%3,%0	
1010	002754	020700		CMP	%7,%0	;%0 POINTS HERE
1011	002756	001401		BEQ	.+4	
1012	002760	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1013	002762	000167	000000	JMP	.+4	
1014	002766	060500		ADD	%5,%0	
1015	002770	020700		CMP	%7,%0	;%0 POINTS HERE
1016	002772	001401		BEQ	.+4	
1017	002774	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1018						
1019	002776	000137	003002	JMP	2*.+4	
1020	003002	060500		ADD	%5,%0	
1021	003004	020700		CMP	%7,%0	;%0 POINTS HERE
1022	003006	001401		BEQ	.+4	
1023	003010	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1024	003012	060400		ADD	%4,%0	
1025						
1026						
1027	003014	000177	000000	JMP	2.+4	
1028	003020	003022		.+2		
1029	003022	020700		CMP	%7,%0	;%0 POINTS HERE
1030	003024	001401		BEQ	.+4	
1031	003026	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1032						
1033	003030	000160	000010	JMP	A(0)	
1034	003034	060500		ADD	%5,%0	
1035	003036	020700		CMP	%7,%0	;%0 POINTS HERE

1036	003040	001401		BEQ	.+4	
1037	003042	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1038						
1039	003044	060200		ADD	%2,%0	
1040	003046	000110		JMP	0%0	
1041	003050	060300		ADD	%3,%0	
1042	003052	020700		CMP	%7,%0	;%0 POINTS HERE
1043	003054	001401		BEQ	.+4	
1044	003056	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1045	003060	000167	000000	JMP	.+4	
1046	003064	060500		ADD	%5,%0	
1047	003066	020700		CMP	%7,%0	;%0 POINTS HERE
1048	003070	001401		BEQ	.+4	
1049	003072	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1050						
1051	003074	000137	003100	JMP	0#. +4	
1052	003100	060500		ADD	%5,%0	
1053	003102	020700		CMP	%7,%0	;%0 POINTS HERE
1054	003104	001401		BEQ	.+4	
1055	003106	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1056	003110	060400		ADD	%4,%0	
1057						
1058						
1059	003112	000177	000000	JMP	0. +4	
1060	003116	003120		.+2		
1061	003120	020700		CMP	%7,%0	;%0 POINTS HERE
1062	003122	001401		BEQ	.+4	
1063	003124	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1064						
1065	003126	000160	000010	JMP	A(0)	
1066	003132	060500		ADD	%5,%0	
1067	003134	020700		CMP	%7,%0	;%0 POINTS HERE
1068	003136	001401		BEQ	.+4	
1069	003140	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1070						
1071	003142	060200		ADD	%2,%0	
1072	003144	000110		JMP	0%0	
1073	003146	060300		ADD	%3,%0	
1074	003150	020700		CMP	%7,%0	;%0 POINTS HERE
1075	003152	001401		BEQ	.+4	
1076	003154	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1077	003156	000167	000000	JMP	.+4	
1078	003162	060500		ADD	%5,%0	
1079	003164	020700		CMP	%7,%0	;%0 POINTS HERE
1080	003166	001401		BEQ	.+4	
1081	003170	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1082						
1083	003172	000137	003176	JMP	0#. +4	
1084	003176	060500		ADD	%5,%0	
1085	003200	020700		CMP	%7,%0	;%0 POINTS HERE
1086	003202	001401		BEQ	.+4	
1087	003204	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1088	003206	060400		ADD	%4,%0	
1089						
1090						
1091	003210	000177	000000	JMP	0. +4	

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1092	003214	003216		.+2		
1093	003216	020700		CMP	%7,%0	;%0 POINTS HERE
1094	003220	001401		BEQ	.+4	
1095	003222	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1096						
1097	003224	000160	000010	JMP	A(0)	
1098	003230	060500		ADD	%5,%0	
1099	003232	020700		CMP	%7,%0	;%0 POINTS HERE
1100	003234	001401		BEQ	.+4	
1101	003236	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1102						
1103	003240	060200		ADD	%2,%0	
1104	003242	000110		JMP	@%0	
1105	003244	060300		ADD	%3,%0	
1106	003246	020700		CMP	%7,%0	;%0 POINTS HERE
1107	003250	001401		BEQ	.+4	
1108	003252	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1109	003254	000167	000000	JMP	.+4	
1110	003260	060500		ADD	%5,%0	
1111	003262	020700		CMP	%7,%0	;%0 POINTS HERE
1112	003264	001401		BEQ	.+4	
1113	003266	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1114						
1115	003270	000137	003274	JMP	@#. +4	
1116	003274	060500		ADD	%5,%0	
1117	003276	020700		CMP	%7,%0	;%0 POINTS HERE
1118	003300	001401		BEQ	.+4	
1119	003302	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1120	003304	060400		ADD	%4,%0	
1121						
1122						
1123	003306	000177	000000	JMP	@. +4	
1124	003312	003314		.+2		
1125	003314	020700		CMP	%7,%0	;%0 POINTS HERE
1126	003316	001401		BEQ	.+4	
1127	003320	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1128						
1129	003322	000160	000010	JMP	A(0)	
1130	003326	060500		ADD	%5,%0	
1131	003330	020700		CMP	%7,%0	;%0 POINTS HERE
1132	003332	001401		BEQ	.+4	
1133	003334	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1134						
1135	003336	060200		ADD	%2,%0	
1136	003340	000110		JMP	@%0	
1137	003342	060300		ADD	%3,%0	
1138	003344	020700		CMP	%7,%0	;%0 POINTS HERE
1139	003346	001401		BEQ	.+4	
1140	003350	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1141	003352	000167	000000	JMP	.+4	
1142	003356	060500		ADD	%5,%0	
1143	003360	020700		CMP	%7,%0	;%0 POINTS HERE
1144	003362	001401		BEQ	.+4	
1145	003364	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1146						
1147	003366	000137	003372	JMP	@#. +4	

1148	003372	060500		ADD	%5,%0	
1149	003374	020700		CMP	%7,%0	;%0 POINTS HERE
1150	003376	001401		BEQ	+.4	
1151	003400	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1152	003402	060400		ADD	%4,%0	
1153						
1154						
1155	003404	000177	000000	JMP	@.+4	
1156	003410	003412		+.2		
1157	003412	020700		CMP	%7,%0	;%0 POINTS HERE
1158	003414	001401		BEQ	+.4	
1159	003416	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1160						
1161	003420	000160	000010	JMP	A(0)	
1162	003424	060500		ADD	%5,%0	
1163	003426	020700		CMP	%7,%0	;%0 POINTS HERE
1164	003430	001401		BEQ	+.4	
1165	003432	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1166						
1167	003434	060200		ADD	%2,%0	
1168	003436	000110		JMP	@%0	
1169	003440	060300		ADD	%3,%0	
1170	003442	020700		CMP	%7,%0	;%0 POINTS HERE
1171	003444	001401		BEQ	+.4	
1172	003446	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1173	003450	000167	000000	JMP	+.4	
1174	003454	060500		ADD	%5,%0	
1175	003456	020700		CMP	%7,%0	;%0 POINTS HERE
1176	003460	001401		BEQ	+.4	
1177	003462	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1178						
1179	003464	000137	003470	JMP	@#. +4	
1180	003470	060500		ADD	%5,%0	
1181	003472	020700		CMP	%7,%0	;%0 POINTS HERE
1182	003474	001401		BEQ	+.4	
1183	003476	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1184	003500	060400		ADD	%4,%0	
1185						
1186						
1187	003502	000177	000000	JMP	@.+4	
1188	003506	003510		+.2		
1189	003510	020700		CMP	%7,%0	;%0 POINTS HERE
1190	003512	001401		BEQ	+.4	
1191	003514	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1192						
1193	003516	000160	000010	JMP	A(0)	
1194	003522	060500		ADD	%5,%0	
1195	003524	020700		CMP	%7,%0	;%0 POINTS HERE
1196	003526	001401		BEQ	+.4	
1197	003530	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1198						
1199	003532	060200		ADD	%2,%0	
1200	003534	000110		JMP	@%0	
1201	003536	060300		ADD	%3,%0	
1202	003540	020700		CMP	%7,%0	;%0 POINTS HERE
1203	003542	001401		BEQ	+.4	

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1204	003544	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1205	003546	000167	000000	JMP	.+4	
1206	003552	060500		ADD	%5,%0	
1207	003554	020700		CMP	%7,%0	;%0 POINTS HERE
1208	003556	001401		BEQ	.+4	
1209	003560	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1210						
1211	003562	000137	003566	JMP	a#. +4	
1212	003566	060500		ADD	%5,%0	
1213	003570	020700		CMP	%7,%0	;%0 POINTS HERE
1214	003572	001401		BEQ	.+4	
1215	003574	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1216	003576	060400		ADD	%4,%0	
1217						
1218						
1219	003600	000177	000000	JMP	a. +4	
1220	003604	003606		.+2		
1221	003606	020700		CMP	%7,%0	;%0 POINTS HERE
1222	003610	001401		BEQ	.+4	
1223	003612	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1224						
1225	003614	000160	000010	JMP	A(0)	
1226	003620	060500		ADD	%5,%0	
1227	003622	020700		CMP	%7,%0	;%0 POINTS HERE
1228	003624	001401		BEQ	.+4	
1229	003626	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1230						
1231	003630	060200		ADD	%2,%0	
1232	003632	000110		JMP	a%0	
1233	003634	060300		ADD	%3,%0	
1234	003636	020700		CMP	%7,%0	;%0 POINTS HERE
1235	003640	001401		BEQ	.+4	
1236	003642	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1237	003644	000167	000000	JMP	.+4	
1238	003650	060500		ADD	%5,%0	
1239	003652	020700		CMP	%7,%0	;%0 POINTS HERE
1240	003654	001401		BEQ	.+4	
1241	003656	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1242						
1243	003660	000137	003664	JMP	a#. +4	
1244	003664	060500		ADD	%5,%0	
1245	003666	020700		CMP	%7,%0	;%0 POINTS HERE
1246	003670	001401		BEQ	.+4	
1247	003672	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1248	003674	060400		ADD	%4,%0	
1249						
1250						
1251	003676	000177	000000	JMP	a. +4	
1252	003702	003704		.+2		
1253	003704	020700		CMP	%7,%0	;%0 POINTS HERE
1254	003706	001401		BEQ	.+4	
1255	003710	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1256						
1257	003712	000160	000010	JMP	A(0)	
1258	003716	060500		ADD	%5,%0	
1259	003720	020700		CMP	%7,%0	;%0 POINTS HERE

1260	003722	001401		BEQ	.+4	
1261	003724	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1262						
1263	003726	060200		ADD	%2,%0	
1264	003730	000110		JMP	3%0	
1265	003732	060300		ADD	%3,%0	
1266	003734	020700		CMP	%7,%0	;%0 POINTS HERE
1267	003736	001401		BEQ	.+4	
1268	003740	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1269	003742	000167	000000	JMP	.+4	
1270	003746	060500		ADD	%5,%0	
1271	003750	020700		CMP	%7,%0	;%0 POINTS HERE
1272	003752	001401		BEQ	.+4	
1273	003754	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1274						
1275	003756	000137	003762	JMP	2#. +4	
1276	003762	060500		ADD	%5,%0	
1277	003764	020700		CMP	%7,%0	;%0 POINTS HERE
1278	003766	001401		BEQ	.+4	
1279	003770	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1280	003772	060400		ADD	%4,%0	
1281						
1282						
1283	003774	000177	000000	JMP	2. +4	
1284	004000	004002		.+2		
1285	004002	020700		CMP	%7,%0	;%0 POINTS HERE
1286	004004	001401		BEQ	.+4	
1287	004006	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1288						
1289	004010	000160	000010	JMP	A(0)	
1290	004014	060500		ADD	%5,%0	
1291	004016	020700		CMP	%7,%0	;%0 POINTS HERE
1292	004020	001401		BEQ	.+4	
1293	004022	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1294						
1295	004024	060200		ADD	%2,%0	
1296	004026	000110		JMP	3%0	
1297	004030	060300		ADD	%3,%0	
1298	004032	020700		CMP	%7,%0	;%0 POINTS HERE
1299	004034	001401		BEQ	.+4	
1300	004036	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1301	004040	000167	000000	JMP	.+4	
1302	004044	060500		ADD	%5,%0	
1303	004046	020700		CMP	%7,%0	;%0 POINTS HERE
1304	004050	001401		BEQ	.+4	
1305	004052	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1306						
1307	004054	000137	004060	JMP	2#. +4	
1308	004060	060500		ADD	%5,%0	
1309	004062	020700		CMP	%7,%0	;%0 POINTS HERE
1310	004064	001401		BEQ	.+4	
1311	004066	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1312	004070	060400		ADD	%4,%0	
1313						
1314						
1315	004072	000177	000000	JMP	2. +4	

1316	004076	004100		.+2		
1317	004100	020700		CMP	%7,%0	;%0 POINTS HERE
1318	004102	001401		BEQ	.+4	
1319	004104	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1320						
1321	004106	000160	000010	JMP	A(0)	
1322	004112	060500		ADD	%5,%0	
1323	004114	020700		CMP	%7,%0	;%0 POINTS HERE
1324	004116	001401		BEQ	.+4	
1325	004120	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1326						
1327	004122	060200		ADD	%2,%0	
1328	004124	000110		JMP	%0	
1329	004126	060300		ADD	%3,%0	
1330	004130	020700		CMP	%7,%0	;%0 POINTS HERE
1331	004132	001401		BEQ	.+4	
1332	004134	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1333	004136	000167	000000	JMP	.+4	
1334	004142	060500		ADD	%5,%0	
1335	004144	020700		CMP	%7,%0	;%0 POINTS HERE
1336	004146	001401		BEQ	.+4	
1337	004150	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1338						
1339	004152	000137	004156	JMP	%8,+4	
1340	004156	060500		ADD	%5,%0	
1341	004160	020700		CMP	%7,%0	;%0 POINTS HERE
1342	004162	001401		BEQ	.+4	
1343	004164	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1344	004166	060400		ADD	%4,%0	
1345						
1346						
1347	004170	000177	000000	JMP	%2,+4	
1348	004174	004176		.+2		
1349	004176	020700		CMP	%7,%0	;%0 POINTS HERE
1350	004200	001401		BEQ	.+4	
1351	004202	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1352						
1353	004204	000160	000010	JMP	A(0)	
1354	004210	060500		ADD	%5,%0	
1355	004212	020700		CMP	%7,%0	;%0 POINTS HERE
1356	004214	001401		BEQ	.+4	
1357	004216	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1358						
1359	004220	060200		ADD	%2,%0	
1360	004222	000110		JMP	%0	
1361	004224	060300		ADD	%3,%0	
1362	004226	020700		CMP	%7,%0	;%0 POINTS HERE
1363	004230	001401		BEQ	.+4	
1364	004232	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1365	004234	000167	000000	JMP	.+4	
1366	004240	060500		ADD	%5,%0	
1367	004242	020700		CMP	%7,%0	;%0 POINTS HERE
1368	004244	001401		BEQ	.+4	
1369	004246	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1370						
1371	004250	000137	004254	JMP	%8,+4	

1372	004254	060500		AUD	%5,%0	
1373	004256	020700		CMP	%7,%0	;%0 POINTS HERE
1374	004260	001401		BEQ	+.4	
1375	004262	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1376	004264	060400		ADD	%4,%0	
1377						
1378						
1379	004266	000177	000000	JMP	2.+4	
1380	004272	004274		+.2		
1381	004274	020700		CMP	%7,%0	;%0 POINTS HERE
1382	004276	001401		BEQ	+.4	
1383	004300	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1384						
1385	004302	000160	000010	JMP	A(0)	
1386	004306	060500		ADD	%5,%0	
1387	004310	020700		CMP	%7,%0	;%0 POINTS HERE
1388	004312	001401		BEQ	+.4	
1389	004314	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1390						
1391	004316	060200		ADD	%2,%0	
1392	004320	000110		JMP	2%0	
1393	004322	060300		ADD	%3,%0	
1394	004324	020700		CMP	%7,%0	;%0 POINTS HERE
1395	004326	001401		BEQ	+.4	
1396	004330	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1397	004332	000167	000000	JMP	+.4	
1398	004336	060500		ADD	%5,%0	
1399	004340	020700		CMP	%7,%0	;%0 POINTS HERE
1400	004342	001401		BEQ	+.4	
1401	004344	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1402						
1403	004346	000137	004352	JMP	28.+4	
1404	004352	060500		ADD	%5,%0	
1405	004354	020700		CMP	%7,%0	;%0 POINTS HERE
1406	004356	001401		BEQ	+.4	
1407	004360	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1408	004362	060400		ADD	%4,%0	
1409						
1410						
1411	004364	000177	000000	JMP	2.+4	
1412	004370	004372		+.2		
1413	004372	020700		CMP	%7,%0	;%0 POINTS HERE
1414	004374	001401		BEQ	+.4	
1415	004376	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1416						
1417	004400	000160	000010	JMP	A(0)	
1418	004404	060500		ADD	%5,%0	
1419	004406	020700		CMP	%7,%0	;%0 POINTS HERE
1420	004410	001401		BEQ	+.4	
1421	004412	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1422						
1423	004414	060200		ADD	%2,%0	
1424	004416	000110		JMP	2%0	
1425	004420	060300		ADD	%3,%0	
1426	004422	020700		CMP	%7,%0	;%0 POINTS HERE
1427	004424	001401		BEQ	+.4	

1428	004426	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1429	004430	000167	000000	JMP	.+4	
1430	004434	060500		ADD	%5,%0	
1431	004436	020700		CMP	%7,%0	;%0 POINTS HERE
1432	004440	001401		BEQ	.+4	
1433	004442	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1434						
1435	004444	000137	004450	JMP	28.+4	
1436	004450	060500		ADD	%5,%0	
1437	004452	020700		CMP	%7,%0	;%0 POINTS HERE
1438	004454	001401		BEQ	.+4	
1439	004456	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1440	004460	060400		ADD	%4,%0	
1441						
1442						
1443	004462	000177	000000	JMP	2.+4	
1444	004466	004470		.+2		
1445	004470	020700		CMP	%7,%0	;%0 POINTS HERE
1446	004472	001401		BEQ	.+4	
1447	004474	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1448						
1449	004476	000160	000010	JMP	A(0)	
1450	004502	060500		ADD	%5,%0	
1451	004504	020700		CMP	%7,%0	;%0 POINTS HERE
1452	004506	001401		BEQ	.+4	
1453	004510	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1454						
1455	004512	060200		ADD	%2,%0	
1456	004514	000110		JMP	2%0	
1457	004516	060300		ADD	%3,%0	
1458	004520	020700		CMP	%7,%0	;%0 POINTS HERE
1459	004522	001401		BEQ	.+4	
1460	004524	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1461	004526	000167	000000	JMP	.+4	
1462	004532	060500		ADD	%5,%0	
1463	004534	020700		CMP	%7,%0	;%0 POINTS HERE
1464	004536	001401		BEQ	.+4	
1465	004540	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1466						
1467	004542	000137	004546	JMP	28.+4	
1468	004546	060500		ADD	%5,%0	
1469	004550	020700		CMP	%7,%0	;%0 POINTS HERE
1470	004552	001401		BEQ	.+4	
1471	004554	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1472	004556	060400		ADD	%4,%0	
1473						
1474						
1475	004560	000177	000000	JMP	2.+4	
1476	004564	004566		.+2		
1477	004566	020700		CMP	%7,%0	;%0 POINTS HERE
1478	004570	001401		BEQ	.+4	
1479	004572	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1480						
1481	004574	000160	000010	JMP	A(0)	
1482	004600	060500		ADD	%5,%0	
1483	004602	020700		CMP	%7,%0	;%0 POINTS HERE

1484	004604	001401		BEQ	.+4	
1485	004606	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1486						
1487	004610	060200		ADD	%2,%0	
1488	004612	000110		JMP	0%0	
1489	004614	060300		ADD	%3,%0	
1490	004616	020700		CMP	%7,%0	;%0 POINTS HERE
1491	004620	001401		BEQ	.+4	
1492	004622	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1493	004624	000167	000000	JMP	.+4	
1494	004630	060500		ADD	%5,%0	
1495	004632	020700		CMP	%7,%0	;%0 POINTS HERE
1496	004634	001401		BEQ	.+4	
1497	004636	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1498						
1499	004640	000137	004644	JMP	00.+4	
1500	004644	060500		ADD	%5,%0	
1501	004646	020700		CMP	%7,%0	;%0 POINTS HERE
1502	004650	001401		BEQ	.+4	
1503	004652	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1504	004654	060400		ADD	%4,%0	
1505						
1506						
1507	004656	000177	000000	JMP	0.+4	
1508	004662	004664		.+2		
1509	004664	020700		CMP	%7,%0	;%0 POINTS HERE
1510	004666	001401		BEQ	.+4	
1511	004670	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1512						
1513	004672	000160	000010	JMP	A(0)	
1514	004676	060500		ADD	%5,%0	
1515	004700	020700		CMP	%7,%0	;%0 POINTS HERE
1516	004702	001401		BEQ	.+4	
1517	004704	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1518						
1519	004706	060200		ADD	%2,%0	
1520	004710	000110		JMP	0%0	
1521	004712	060300		ADD	%3,%0	
1522	004714	020700		CMP	%7,%0	;%0 POINTS HERE
1523	004716	001401		BEQ	.+4	
1524	004720	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1525	004722	000167	000000	JMP	.+4	
1526	004726	060500		ADD	%5,%0	
1527	004730	020700		CMP	%7,%0	;%0 POINTS HERE
1528	004732	001401		BEQ	.+4	
1529	004734	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1530						
1531	004736	000137	004742	JMP	00.+4	
1532	004742	060500		ADD	%5,%0	
1533	004744	020700		CMP	%7,%0	;%0 POINTS HERE
1534	004746	001401		BEQ	.+4	
1535	004750	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1536	004752	060400		ADD	%4,%0	
1537						
1538						
1539	004754	000177	000000	JMP	0.+4	

1540	004760	004762		.+2		
1541	004762	020700		CMP	%7,%0	;%0 POINTS HERE
1542	004764	001401		BEQ	.+4	
1543	004766	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1544						
1545	004770	000160	000010	JMP	A(0)	
1546	004774	060500		ADD	%5,%0	
1547	004776	020700		CMP	%7,%0	;%0 POINTS HERE
1548	005000	001401		BEQ	.+4	
1549	005002	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1550						
1551	005004	060200		ADD	%2,%0	
1552	005006	000110		JMP	0%0	
1553	005010	060300		ADD	%3,%0	
1554	005012	020700		CMP	%7,%0	;%0 POINTS HERE
1555	005014	001401		BEQ	.+4	
1556	005016	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1557	005020	000167	000000	JMP	.+4	
1558	005024	060500		ADD	%5,%0	
1559	005026	020700		CMP	%7,%0	;%0 POINTS HERE
1560	005030	001401		BEQ	.+4	
1561	005032	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1562						
1563	005034	000137	005040	JMP	0#. +4	
1564	005040	060500		ADD	%5,%0	
1565	005042	020700		CMP	%7,%0	;%0 POINTS HERE
1566	005044	001401		BEQ	.+4	
1567	005046	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1568	005050	060400		ADD	%4,%0	
1569						
1570						
1571	005052	000177	000000	JMP	0. +4	
1572	005056	005060		.+2		
1573	005060	020700		CMP	%7,%0	;%0 POINTS HERE
1574	005062	001401		BEQ	.+4	
1575	005064	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1576						
1577	005066	000160	000010	JMP	A(0)	
1578	005072	060500		ADD	%5,%0	
1579	005074	020700		CMP	%7,%0	;%0 POINTS HERE
1580	005076	001401		BEQ	.+4	
1581	005100	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1582						
1583	005102	060200		ADD	%2,%0	
1584	005104	000110		JMP	0%0	
1585	005106	060300		ADD	%3,%0	
1586	005110	020700		CMP	%7,%0	;%0 POINTS HERE
1587	005112	001401		BEQ	.+4	
1588	005114	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1589	005116	000167	000000	JMP	.+4	
1590	005122	060500		ADD	%5,%0	
1591	005124	020700		CMP	%7,%0	;%0 POINTS HERE
1592	005126	001401		BEQ	.+4	
1593	005130	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1594						
1595	005132	000137	005136	JMP	0#. +4	

1596	005136	060500		ADD	%5,%0	
1597	005140	020700		CMP	%7,%0	;%0 POINTS HERE
1598	005142	001401		BEQ	+.4	
1599	005144	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1600	005146	060400		ADD	%.4,%0	
1601						
1602						
1603	005150	000177	000000	JMP	2.+4	
1604	005154	005156		+.2		
1605	005156	020700		CMP	%7,%0	;%0 POINTS HERE
1606	005160	001401		BEQ	+.4	
1607	005162	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1608						
1609	005164	000160	000010	JMP	A(0)	
1610	005170	060500		ADD	%5,%0	
1611	005172	020700		CMP	%7,%0	;%0 POINTS HERE
1612	005174	001401		BEQ	+.4	
1613	005176	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1614						
1615	005200	060200		ADD	%2,%0	
1616	005202	000110		JMP	2%0	
1617	005204	060300		ADD	%3,%0	
1618	005206	020700		CMP	%7,%0	;%0 POINTS HERE
1619	005210	001401		BEQ	+.4	
1620	005212	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1621	005214	000167	000000	JMP	+.4	
1622	005220	060500		ADD	%5,%0	
1623	005222	020700		CMP	%7,%0	;%0 POINTS HERE
1624	005224	001401		BEQ	+.4	
1625	005226	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1626						
1627	005230	000137	005234	JMP	28.+4	
1628	005234	060500		ADD	%5,%0	
1629	005236	020700		CMP	%7,%0	;%0 POINTS HERE
1630	005240	001401		BEQ	+.4	
1631	005242	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1632	005244	060400		ADD	%.4,%0	
1633						
1634						
1635	005246	000177	000000	JMP	2.+4	
1636	005252	005254		+.2		
1637	005254	020700		CMP	%7,%0	;%0 POINTS HERE
1638	005256	001401		BEQ	+.4	
1639	005260	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1640						
1641	005262	000160	000010	JMP	A(0)	
1642	005266	060500		ADD	%5,%0	
1643	005270	020700		CMP	%7,%0	;%0 POINTS HERE
1644	005272	001401		BEQ	+.4	
1645	005274	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1646						
1647	005276	060200		ADD	%2,%0	
1648	005300	000110		JMP	2%0	
1649	005302	060300		ADD	%3,%0	
1650	005304	020700		CMP	%7,%0	;%0 POINTS HERE
1651	005306	001401		BEQ	+.4	

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1652	005310	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
1653	005312	000167	000000	JMP	.+4		
1654	005316	060500		ADD	%5,%0		
1655	005320	020700		CMP	%7,%0		;%0 POINTS HERE
1656	005322	001401		BEQ	.+4		
1657	005324	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
1658							
1659	005326	000137	005332	JMP	2*.+4		
1660	005332	060500		ADD	%5,%0		
1661	005334	020700		CMP	%7,%0		;%0 POINTS HERE
1662	005336	001401		BEQ	.+4		
1663	005340	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
1664	005342	060400		ADD	%4,%0		
1665							
1666							
1667	005344	000177	000000	JMP	2.+4		
1668	005350	005352		.+2			
1669	005352	020700		CMP	%7,%0		;%0 POINTS HERE
1670	005354	001401		BEQ	.+4		
1671	005356	000000		HLT			;JMP BEFORE VALUE IN REGISTER ZERO BAD
1672							
1673	005360	000160	000010	JMP	A(0)		
1674	005364	060500		ADD	%5,%0		
1675	005366	020700		CMP	%7,%0		;%0 POINTS HERE.
1676	005370	001401		BEQ	.+4		
1677	005372	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
1678							
1679	005374	060200		ADD	%2,%0		
1680	005376	000110		JMP	2%0		
1681	005400	060300		ADD	%3,%0		
1682	005402	020700		CMP	%7,%0		;%0 POINTS HERE
1683	005404	001401		BEQ	.+4		
1684	005406	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
1685	005410	000167	000000	JMP	.+4		
1686	005414	060500		ADD	%5,%0		
1687	005416	020700		CMP	%7,%0		;%0 POINTS HERE
1688	005420	001401		BEQ	.+4		
1689	005422	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
1690							
1691	005424	000137	005430	JMP	2*.+4		
1692	005430	060500		ADD	%5,%0		
1693	005432	020700		CMP	%7,%0		;%0 POINTS HERE
1694	005434	001401		BEQ	.+4		
1695	005436	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
1696	005440	060400		ADD	%4,%0		
1697							
1698							
1699	005442	000177	000000	JMP	2.+4		
1700	005446	005450		.+2			
1701	005450	020700		CMP	%7,%0		;%0 POINTS HERE
1702	005452	001401		BEQ	.+4		
1703	005454	000000		HLT			;JMP BEFORE VALUE IN REGISTER ZERO BAD
1704							
1705	005456	000160	000010	JMP	A(0)		
1706	005462	060500		ADD	%5,%0		
1707	005464	020700		CMP	%7,%0		;%0 POINTS HERE

1708	005466	001401		BEQ	.+4	
1709	005470	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1710						
1711	005472	060200		ADD	%2,%0	
1712	005474	000110		JMP	2%0	
1713	005476	060300		ADD	%3,%0	
1714	005500	020700		CMP	%7,%0	;%0 POINTS HERE
1715	005502	001401		BEQ	.+4	
1716	005504	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1717	005506	000167	000000	JMP	.+4	
1718	005512	060500		ADD	%5,%0	
1719	005514	020700		CMP	%7,%0	;%0 POINTS HERE
1720	005516	001401		BEQ	.+4	
1721	005520	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1722						
1723	005522	000137	005526	JMP	2+.+4	
1724	005526	060500		ADD	%5,%0	
1725	005530	020700		CMP	%7,%0	;%0 POINTS HERE
1726	005532	001401		BEQ	.+4	
1727	005534	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1728	005536	060400		ADD	%4,%0	
1729						
1730						
1731	005540	000177	000000	JMP	2+.+4	
1732	005544	005546		.+2		
1733	005546	020700		CMP	%7,%0	;%0 POINTS HERE
1734	005550	001401		BEQ	.+4	
1735	005552	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1736						
1737	005554	000160	000010	JMP	A(0)	
1738	005560	060500		ADD	%5,%0	
1739	005562	020700		CMP	%7,%0	;%0 POINTS HERE
1740	005564	001401		BEQ	.+4	
1741	005566	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1742						
1743	005570	060200		ADD	%2,%0	
1744	005572	000110		JMP	2%0	
1745	005574	060300		ADD	%3,%0	
1746	005576	020700		CMP	%7,%0	;%0 POINTS HERE
1747	005600	001401		BEQ	.+4	
1748	005602	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1749	005604	000167	000000	JMP	.+4	
1750	005610	060500		ADD	%5,%0	
1751	005612	020700		CMP	%7,%0	;%0 POINTS HERE
1752	005614	001401		BEQ	.+4	
1753	005616	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1754						
1755	005620	000137	005624	JMP	2+.+4	
1756	005624	060500		ADD	%5,%0	
1757	005626	020700		CMP	%7,%0	;%0 POINTS HERE
1758	005630	001401		BEQ	.+4	
1759	005632	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1760	005634	060400		ADD	%4,%0	
1761						
1762						
1763	005636	000177	000000	JMP	2+.+4	

1764	005642	005644		.+2		
1765	005644	020700		CMP	%7,%0	;%0 POINTS HERE
1766	005646	001401		BEQ	.+4	
1767	005650	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1768						
1769	005652	000160	000010	JMP	A(0)	
1770	005656	060500		ADD	%5,%0	
1771	005660	020700		CMP	%7,%0	;%0 POINTS HERE
1772	005662	001401		BEQ	.+4	
1773	005664	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1774						
1775	005666	060200		ADD	%2,%0	
1776	005670	000110		JMP	2%0	
1777	005672	060300		ADD	%3,%0	
1778	005674	020700		CMP	%7,%0	;%0 POINTS HERE
1779	005676	001401		BEQ	.+4	
1780	005700	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1781	005702	000167	000000	JMP	.+4	
1782	005706	060500		ADD	%5,%0	
1783	005710	020700		CMP	%7,%0	;%0 POINTS HERE
1784	005712	001401		BEQ	.+4	
1785	005714	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1786						
1787	005716	000137	005722	JMP	2#. +4	
1788	005722	060500		ADD	%5,%0	
1789	005724	020700		CMP	%7,%0	;%0 POINTS HERE
1790	005726	001401		BEQ	.+4	
1791	005730	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1792	005732	060400		ADD	%4,%0	
1793						
1794						
1795	005734	000177	000000	JMP	2. +4	
1796	005740	005742		.+2		
1797	005742	020700		CMP	%7,%0	;%0 POINTS HERE
1798	005744	001401		BEQ	.+4	
1799	005746	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1800						
1801	005750	000160	000010	JMP	A(0)	
1802	005754	060500		ADD	%5,%0	
1803	005756	020700		CMP	%7,%0	;%0 POINTS HERE
1804	005760	001401		BEQ	.+4	
1805	005762	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1806						
1807	005764	060200		ADD	%2,%0	
1808	005766	000110		JMP	2%0	
1809	005770	060300		ADD	%3,%0	
1810	005772	020700		CMP	%7,%0	;%0 POINTS HERE
1811	005774	001401		BEQ	.+4	
1812	005776	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1813	006000	000167	000000	JMP	.+4	
1814	006004	060500		ADD	%5,%0	
1815	006006	020700		CMP	%7,%0	;%0 POINTS HERE
1816	006010	001401		BEQ	.+4	
1817	006012	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1818						
1819	006014	000137	006020	JMP	2#. +4	

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1820	006020	060500		ADD	%5,%0	
1821	006022	020700		CMP	%7,%0	;%0 POINTS HERE
1822	006024	001401		BEQ	.+4	
1823	006026	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1824	006030	060400		ADD	%4,%0	
1825						
1826						
1827	006032	000177	000000	JMP	a.+4	
1828	006036	006040		.+2		
1829	006040	020700		CMP	%7,%0	;%0 POINTS HERE
1830	006042	001401		BEQ	.+4	
1831	006044	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1832						
1833	006046	000160	000010	JMP	A(0)	
1834	006052	060500		ADD	%5,%0	
1835	006054	020700		CMP	%7,%0	;%0 POINTS HERE
1836	006056	001401		BEQ	.+4	
1837	006060	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1838						
1839	006062	060200		ADD	%2,%0	
1840	006064	000110		JMP	a%0	
1841	006066	060300		ADD	%3,%0	
1842	006070	020700		CMP	%7,%0	;%0 POINTS HERE
1843	006072	001401		BEQ	.+4	
1844	006074	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1845	006076	000167	000000	JMP	.+4	
1846	006102	060500		ADD	%5,%0	
1847	006104	020700		CMP	%7,%0	;%0 POINTS HERE
1848	006106	001401		BEQ	.+4	
1849	006110	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1850						
1851	006112	000137	006116	JMP	a#. +4	
1852	006116	060500		ADD	%5,%0	
1853	006120	020700		CMP	%7,%0	;%0 POINTS HERE
1854	006122	001401		BEQ	.+4	
1855	006124	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1856	006126	060400		ADD	%4,%0	
1857						
1858						
1859	006130	000177	000000	JMP	a.+4	
1860	006134	006136		.+2		
1861	006136	020700		CMP	%7,%0	;%0 POINTS HERE
1862	006140	001401		BEQ	.+4	
1863	006142	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1864						
1865	006144	000160	000010	JMP	A(0)	
1866	006150	060500		ADD	%5,%0	
1867	006152	020700		CMP	%7,%0	;%0 POINTS HERE
1868	006154	001401		BEQ	.+4	
1869	006156	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1870						
1871	006160	060200		ADD	%2,%0	
1872	006162	000110		JMP	a%0	
1873	006164	060300		ADD	%3,%0	
1874	006166	020700		CMP	%7,%0	;%0 POINTS HERE
1875	006170	001401		BEQ	.+4	

1876	006172	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1877	006174	000167	000000	JMP	.+4	
1878	006200	060500		ADD	%5,%0	
1879	006202	020700		CMP	%7,%0	;%0 POINTS HERE
1880	006204	001401		BEQ	.+4	
1881	006206	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1882						
1883	006210	000137	006214	JMP	2*.+4	
1884	006214	060500		ADD	%5,%0	
1885	006216	020700		CMP	%7,%0	;%0 POINTS HERE
1886	006220	001401		BEQ	.+4	
1887	006222	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1888	006224	060400		ADD	%4,%0	
1889						
1890						
1891	006226	000177	000000	JMP	2.+4	
1892	006232	006234		.+2		
1893	006234	020700		CMP	%7,%0	;%0 POINTS HERE
1894	006236	001401		BEQ	.+4	
1895	006240	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1896						
1897	006242	000160	000010	JMP	A(0)	
1898	006246	060500		ADD	%5,%0	
1899	006250	020700		CMP	%7,%0	;%0 POINTS HERE
1900	006252	001401		BEQ	.+4	
1901	006254	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1902						
1903	006256	060200		ADD	%2,%0	
1904	006260	000110		JMP	2%0	
1905	006262	060300		ADD	%3,%0	
1906	006264	020700		CMP	%7,%0	;%0 POINTS HERE
1907	006266	001401		BEQ	.+4	
1908	006270	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1909	006272	000167	000000	JMP	.+4	
1910	006276	060500		ADD	%5,%0	
1911	006300	020700		CMP	%7,%0	;%0 POINTS HERE
1912	006302	001401		BEQ	.+4	
1913	006304	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1914						
1915	006306	000137	006312	JMP	2*.+4	
1916	006312	060500		ADD	%5,%0	
1917	006314	020700		CMP	%7,%0	;%0 POINTS HERE
1918	006316	001401		BEQ	.+4	
1919	006320	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1920	006322	060400		ADD	%4,%0	
1921						
1922						
1923	006324	000177	000000	JMP	2.+4	
1924	006330	006332		.+2		
1925	006332	020700		CMP	%7,%0	;%0 POINTS HERE
1926	006334	001401		BEQ	.+4	
1927	006336	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1928						
1929	006340	000160	000010	JMP	A(0)	
1930	006344	060500		ADD	%5,%0	
1931	006346	020700		CMP	%7,%0	;%0 POINTS HERE

1932	006350	001401		BEQ	.+4	
1933	006352	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1934						
1935	006354	060200		ADD	%2,%0	
1936	006356	000110		JMP	%0	
1937	006360	060300		ADD	%3,%0	
1938	006362	020700		CMP	%7,%0	;%0 POINTS HERE
1939	006364	001401		BEQ	.+4	
1940	006366	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1941	006370	000167	000000	JMP	.+4	
1942	006374	060500		ADD	%5,%0	
1943	006376	020700		CMP	%7,%0	;%0 POINTS HERE
1944	006400	001401		BEQ	.+4	
1945	006402	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1946						
1947	006404	000137	006410	JMP	%+.+4	
1948	006410	060500		ADD	%5,%0	
1949	006412	020700		CMP	%7,%0	;%0 POINTS HERE
1950	006414	001401		BEQ	.+4	
1951	006416	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1952	006420	060400		ADD	%4,%0	
1953						
1954						
1955	006422	000177	000000	JMP	%+.+4	
1956	006426	006430		.+2		
1957	006430	020700		CMP	%7,%0	;%0 POINTS HERE
1958	006432	001401		BEQ	.+4	
1959	006434	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1960						
1961	006436	000160	000010	JMP	A(0)	
1962	006442	060500		ADD	%5,%0	
1963	006444	020700		CMP	%7,%0	;%0 POINTS HERE
1964	006446	001401		BEQ	.+4	
1965	006450	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1966						
1967	006452	060200		ADD	%2,%0	
1968	006454	000110		JMP	%0	
1969	006456	060300		ADD	%3,%0	
1970	006460	020700		CMP	%7,%0	;%0 POINTS HERE
1971	006462	001401		BEQ	.+4	
1972	006464	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1973	006466	000167	000000	JMP	.+4	
1974	006472	060500		ADD	%5,%0	
1975	006474	020700		CMP	%7,%0	;%0 POINTS HERE
1976	006476	001401		BEQ	.+4	
1977	006500	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1978						
1979	006502	000137	006506	JMP	%+.+4	
1980	006506	060500		ADD	%5,%0	
1981	006510	020700		CMP	%7,%0	;%0 POINTS HERE
1982	006512	001401		BEQ	.+4	
1983	006514	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1984	006516	060400		ADD	%4,%0	
1985						
1986						
1987	006520	000177	000000	JMP	%+.+4	

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1988	006524	006526		.+2		
1989	006526	020700		CMP	%7,%0	;%0 POINTS HERE
1990	006530	001401		BEQ	.+4	
1991	006532	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
1992						
1993	006534	000160	000010	JMP	A(0)	
1994	006540	060500		ADD	%5,%0	
1995	006542	020700		CMP	%7,%0	;%0 POINTS HERE
1996	006544	001401		BEQ	.+4	
1997	006546	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
1998						
1999	006550	060200		ADD	%2,%0	
2000	006552	000110		JMP	%0	
2001	006554	060300		ADD	%3,%0	
2002	006556	020700		CMP	%7,%0	;%0 POINTS HERE
2003	006560	001401		BEQ	.+4	
2004	006562	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2005	006564	000167	000000	JMP	.+4	
2006	006570	060500		ADD	%5,%0	
2007	006572	020700		CMP	%7,%0	;%0 POINTS HERE
2008	006574	001401		BEQ	.+4	
2009	006576	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2010						
2011	006600	000137	006604	JMP	%#. +4	
2012	006604	060500		ADD	%5,%0	
2013	006606	020700		CMP	%7,%0	;%0 POINTS HERE
2014	006610	001401		BEQ	.+4	
2015	006612	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2016	006614	060400		ADD	%4,%0	
2017						
2018						
2019	006616	000177	000000	JMP	%#. +4	
2020	006622	006624		.+2		
2021	006624	020700		CMP	%7,%0	;%0 POINTS HERE
2022	006626	001401		BEQ	.+4	
2023	006630	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2024						
2025	006632	000160	000010	JMP	A(0)	
2026	006636	060500		ADD	%5,%0	
2027	006640	020700		CMP	%7,%0	;%0 POINTS HERE
2028	006642	001401		BEQ	.+4	
2029	006644	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2030						
2031	006646	060200		ADD	%2,%0	
2032	006650	000110		JMP	%0	
2033	006652	060300		ADD	%3,%0	
2034	006654	020700		CMP	%7,%0	;%0 POINTS HERE
2035	006656	001401		BEQ	.+4	
2036	006660	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2037	006662	000167	000000	JMP	.+4	
2038	006666	060500		ADD	%5,%0	
2039	006670	020700		CMP	%7,%0	;%0 POINTS HERE
2040	006672	001401		BEQ	.+4	
2041	006674	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2042						
2043	006676	000137	006702	JMP	%#. +4	

2044	006702	060500		ADD	%5,%0	
2045	006704	020700		CMP	%7,%0	;%0 POINTS HERE
2046	006706	001401		BEQ	+.4	
2047	006710	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2048	006712	060400		ADD	%.4,%0	
2049						
2050						
2051	006714	000177	000000	JMP	2.+.4	
2052	006720	006722		+.2		
2053	006722	020700		CMP	%7,%0	;%0 POINTS HERE
2054	006724	001401		BEQ	+.4	
2055	006726	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2056						
2057	006730	000160	000010	JMP	A(0)	
2058	006734	060500		ADD	%5,%0	
2059	006736	020700		CMP	%7,%0	;%0 POINTS HERE
2060	006740	001401		BEQ	+.4	
2061	006742	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2062						
2063	006744	060200		ADD	%2,%0	
2064	006746	000110		JMP	2%0	
2065	006750	060300		ADD	%3,%0	
2066	006752	020700		CMP	%7,%0	;%0 POINTS HERE
2067	006754	001401		BEQ	+.4	
2068	006756	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2069	006760	000167	000000	JMP	+.4	
2070	006764	060500		ADD	%5,%0	
2071	006766	020700		CMP	%7,%0	;%0 POINTS HERE
2072	006770	001401		BEQ	+.4	
2073	006772	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2074						
2075	006774	000137	007000	JMP	28.+.4	
2076	007000	060500		ADD	%5,%0	
2077	007002	020700		CMP	%7,%0	;%0 POINTS HERE
2078	007004	001401		BEQ	+.4	
2079	007006	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2080	007010	060400		ADD	%4,%0	
2081						
2082						
2083	007012	000177	000000	JMP	2.+.4	
2084	007016	007020		+.2		
2085	007020	020700		CMP	%7,%0	;%0 POINTS HERE
2086	007022	001401		BEQ	+.4	
2087	007024	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2088						
2089	007026	000160	000010	JMP	A(0)	
2090	007032	060500		ADD	%5,%0	
2091	007034	020700		CMP	%7,%0	;%0 POINTS HERE
2092	007036	001401		BEQ	+.4	
2093	007040	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2094						
2095	007042	060200		ADD	%2,%0	
2096	007044	000110		JMP	2%0	
2097	007046	060300		ADD	%3,%0	
2098	007050	020700		CMP	%7,%0	;%0 POINTS HERE
2099	007052	001401		BEQ	+.4	

2100	007054	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2101	007056	000167	000000	JMP	.+4	
2102	007062	060500		ADD	%5,%0	
2103	007064	020700		CMP	%7,%0	;%0 POINTS HERE
2104	007066	001401		BEQ	.+4	
2105	007070	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2106						
2107	007072	000137	007076	JMP	28.+4	
2108	007076	060500		ADD	%5,%0	
2109	007100	020700		CMP	%7,%0	;%0 POINTS HERE
2110	007102	001401		BEQ	.+4	
2111	007104	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2112	007106	060400		ADD	%4,%0	
2113						
2114						
2115	007110	000177	000000	JMP	2.+4	
2116	007114	007116		.+2		
2117	007116	020700		CMP	%7,%0	;%0 POINTS HERE
2118	007120	001401		BEQ	.+4	
2119	007122	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2120						
2121	007124	000160	000010	JMP	A(0)	
2122	007130	060500		ADD	%5,%0	
2123	007132	020700		CMP	%7,%0	;%0 POINTS HERE
2124	007134	001401		BEQ	.+4	
2125	007136	060000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2126						
2127	007140	060200		ADD	%2,%0	
2128	007142	000110		JMP	2%0	
2129	007144	060300		ADD	%3,%0	
2130	007146	020700		CMP	%7,%0	;%0 POINTS HERE
2131	007150	001401		BEQ	.+4	
2132	007152	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2133	007154	000167	000000	JMP	.+4	
2134	007160	060500		ADD	%5,%0	
2135	007162	020700		CMP	%7,%0	;%0 POINTS HERE
2136	007164	001401		BEQ	.+4	
2137	007166	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2138						
2139	007170	000137	007174	JMP	28.+4	
2140	007174	060500		ADD	%5,%0	
2141	007176	020700		CMP	%7,%0	;%0 POINTS HERE
2142	007200	001401		BEQ	.+4	
2143	007202	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2144	007204	060400		ADD	%4,%0	
2145						
2146						
2147	007206	000177	000000	JMP	2.+4	
2148	007212	007214		.+2		
2149	007214	020700		CMP	%7,%0	;%0 POINTS HERE
2150	007216	001401		BEQ	.+4	
2151	007220	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2152						
2153	007222	000160	000010	JMP	A(0)	
2154	007226	060500		ADD	%5,%0	
2155	007230	020700		CMP	%7,%0	;%0 POINTS HERE

2156	007232	001401		BEQ	.+4	
2157	007234	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2158						
2159	007236	060200		ADD	%2,%0	
2160	007240	000110		JMP	%0	
2161	007242	060300		ADD	%3,%0	
2162	007244	020700		CMP	%7,%0	;%0 POINTS HERE
2163	007246	001401		BEQ	.+4	
2164	007250	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2165	007252	000167	000000	JMP	.+4	
2166	007256	060500		ADD	%5,%0	
2167	007260	020700		CMP	%7,%0	;%0 POINTS HERE
2168	007262	001401		BEQ	.+4	
2169	007264	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2170						
2171	007266	000137	007272	JMP	%0.+4	
2172	007272	060500		ADD	%5,%0	
2173	007274	020700		CMP	%7,%0	;%0 POINTS HERE
2174	007276	001401		BEQ	.+4	
2175	007300	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2176	007302	060400		ADD	%4,%0	
2177						
2178						
2179	007304	000177	000000	JMP	%0.+4	
2180	007310	007312		.+2		
2181	007312	020700		CMP	%7,%0	;%0 POINTS HERE
2182	007314	001401		BEQ	.+4	
2183	007316	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2184						
2185	007320	000160	000010	JMP	A(0)	
2186	007324	060500		ADD	%5,%0	
2187	007326	020700		CMP	%7,%0	;%0 POINTS HERE
2188	007330	001401		BEQ	.+4	
2189	007332	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2190						
2191	007334	060200		ADD	%2,%0	
2192	007336	000110		JMP	%0	
2193	007340	060300		ADD	%3,%0	
2194	007342	020700		CMP	%7,%0	;%0 POINTS HERE
2195	007344	001401		BEQ	.+4	
2196	007346	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2197	007350	000167	000000	JMP	.+4	
2198	007354	060500		ADD	%5,%0	
2199	007356	020700		CMP	%7,%0	;%0 POINTS HERE
2200	007360	001401		BEQ	.+4	
2201	007362	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2202						
2203	007364	000137	007370	JMP	%0.+4	
2204	007370	060500		ADD	%5,%0	
2205	007372	020700		CMP	%7,%0	;%0 POINTS HERE
2206	007374	001401		BEQ	.+4	
2207	007376	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2208	007400	060400		ADD	%4,%0	
2209						
2210						
2211	007402	000177	000000	JMP	%0.+4	

2212	007406	007410		.+2		
2213	007410	020700		CMP	%7,%0	;%0 POINTS HERE
2214	007412	001401		BEQ	.+4	
2215	007414	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2216						
2217	007416	000160	000010	JMP	A(0)	
2218	007422	060500		ADD	%5,%0	
2219	007424	020700		CMP	%7,%0	;%0 POINTS HERE
2220	007426	001401		BEQ	.+4	
2221	007430	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2222						
2223	007432	060200		ADD	%2,%0	
2224	007434	000110		JMP	0%0	
2225	007436	060300		ADD	%3,%0	
2226	007440	020700		CMP	%7,%0	;%0 POINTS HERE
2227	007442	001401		BEQ	.+4	
2228	007444	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2229	007446	000167	000000	JMP	.+4	
2230	007452	060500		ADD	%5,%0	
2231	007454	020700		CMP	%7,%0	;%0 POINTS HERE
2232	007456	001401		BEQ	.+4	
2233	007460	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2234						
2235	007462	000137	007466	JMP	08.+4	
2236	007466	060500		ADD	%5,%0	
2237	007470	020700		CMP	%7,%0	;%0 POINTS HERE
2238	007472	001401		BEQ	.+4	
2239	007474	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2240	007476	060400		ADD	%4,%0	
2241						
2242						
2243	007500	000177	000000	JMP	0.+4	
2244	007504	007506		.+2		
2245	007506	020700		CMP	%7,%0	;%0 POINTS HERE
2246	007510	001401		BEQ	.+4	
2247	007512	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2248						
2249	007514	000160	000010	JMP	A(0)	
2250	007520	060500		ADD	%5,%0	
2251	007522	020700		CMP	%7,%0	;%0 POINTS HERE
2252	007524	001401		BEQ	.+4	
2253	007526	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2254						
2255	007530	060200		ADD	%2,%0	
2256	007532	000110		JMP	0%0	
2257	007534	060300		ADD	%3,%0	
2258	007536	020700		CMP	%7,%0	;%0 POINTS HERE
2259	007540	001401		BEQ	.+4	
2260	007542	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2261	007544	000167	000000	JMP	.+4	
2262	007550	060500		ADD	%5,%0	
2263	007552	020700		CMP	%7,%0	;%0 POINTS HERE
2264	007554	001401		BEQ	.+4	
2265	007556	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2266						
2267	007560	000137	007564	JMP	08.+4	

2268	007564	060500		ADD	%5,%0	
2269	007566	020700		CMP	%7,%0	;%0 POINTS HERE
2270	007570	001401		BEQ	.+4	
2271	007572	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2272	007574	060400		ADD	:%4,%0	
2273						
2274						
2275	007576	000177	000000	JMP	2.+4	
2276	007602	007604		.+2		
2277	007604	020700		CMP	%7,%0	;%0 POINTS HERE
2278	007606	001401		BEQ	.+4	
2279	007610	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2280						
2281	007612	000160	000010	JMP	A(0)	
2282	007616	060500		ADD	%5,%0	
2283	007620	020700		CMP	%7,%0	;%0 POINTS HERE
2284	007622	001401		BEQ	.+4	
2285	007624	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2286						
2287	007626	060200		ADD	%2,%0	
2288	007630	000110		JMP	2%0	
2289	007632	060300		ADD	%3,%0	
2290	007634	020700		CMP	%7,%0	;%0 POINTS HERE
2291	007636	001401		BEQ	.+4	
2292	007640	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2293	007642	000167	000000	JMP	.+4	
2294	007646	060500		ADD	%5,%0	
2295	007650	020700		CMP	%7,%0	;%0 POINTS HERE
2296	007652	001401		BEQ	.+4	
2297	007654	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2298						
2299	007656	000137	007662	JMP	28.+4	
2300	007662	060500		ADD	%5,%0	
2301	007664	020700		CMP	%7,%0	;%0 POINTS HERE
2302	007666	001401		BEQ	.+4	
2303	007670	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2304	007672	060400		ADD	:%4,%0	
2305						
2306						
2307	007674	000177	000000	JMP	2.+4	
2308	007700	007702		.+2		
2309	007702	020700		CMP	%7,%0	;%0 POINTS HERE
2310	007704	001401		BEQ	.+4	
2311	007706	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2312						
2313	007710	000160	000010	JMP	A(0)	
2314	007714	060500		ADD	%5,%0	
2315	007716	020700		CMP	%7,%0	;%0 POINTS HERE
2316	007720	001401		BEQ	.+4	
2317	007722	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2318						
2319	007724	060200		ADD	%2,%0	
2320	007726	000110		JMP	2%0	
2321	007730	060300		ADD	%3,%0	
2322	007732	020700		CMP	%7,%0	;%0 POINTS HERE
2323	007734	001401		BEQ	.+4	

2324	007736	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2325	007740	000167	000000	JMP	.+4	
2326	007744	060500		ADD	%5,%0	
2327	007746	020700		CMP	%7,%0	;%0 POINTS HERE
2328	007750	001401		BEQ	.+4	
2329	007752	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2330						
2331	007754	000137	007760	JMP	28.+4	
2332	007760	060500		ADD	%5,%0	
2333	007762	020700		CMP	%7,%0	;%0 POINTS HERE
2334	007764	001401		BEQ	.+4	
2335	007766	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2336	007770	060400		ADD	%4,%0	
2337						
2338						
2339	007772	000177	000000	JMP	2.+4	
2340	007776	010000		.+2		
2341	010000	020700		CMP	%7,%0	;%0 POINTS HERE
2342	010002	001401		BEQ	.+4	
2343	010004	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2344						
2345	010006	000160	000010	JMP	A(0)	
2346	010012	060500		ADD	%5,%0	
2347	010014	020700		CMP	%7,%0	;%0 POINTS HERE
2348	010016	001401		BEQ	.+4	
2349	010020	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2350						
2351	010022	060200		ADD	%2,%0	
2352	010024	000110		JMP	2%0	
2353	010026	060300		ADD	%3,%0	
2354	010030	020700		CMP	%7,%0	;%0 POINTS HERE
2355	010032	001401		BEQ	.+4	
2356	010034	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2357	010036	000167	000000	JMP	.+4	
2358	010042	060500		ADD	%5,%0	
2359	010044	020700		CMP	%7,%0	;%0 POINTS HERE
2360	010046	001401		BEQ	.+4	
2361	010050	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2362						
2363	010052	000137	010056	JMP	28.+4	
2364	010056	060500		ADD	%5,%0	
2365	010060	020700		CMP	%7,%0	;%0 POINTS HERE
2366	010062	001401		BEQ	.+4	
2367	010064	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2368	010066	060400		ADD	%4,%0	
2369						
2370						
2371	010070	000177	000000	JMP	2.+4	
2372	010074	010076		.+2		
2373	010076	020700		CMP	%7,%0	;%0 POINTS HERE
2374	010100	001401		BEQ	.+4	
2375	010102	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2376						
2377	010104	000160	000010	JMP	A(0)	
2378	010110	060500		ADD	%5,%0	
2379	010112	020700		CMP	%7,%0	;%0 POINTS HERE

2380	010114	001401		BEQ	.+4	
2381	010116	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2382						
2383	010120	060200		ADD	%2,%0	
2384	010122	000110		JMP	@%0	
2385	010124	060300		ADD	%3,%0	
2386	010126	020700		CMP	%7,%0	;%0 POINTS HERE
2387	010130	001401		BEQ	.+4	
2388	010132	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2389	010134	000167	000000	JMP	.+4	
2390	010140	060500		ADD	%5,%0	
2391	010142	020700		CMP	%7,%0	;%0 POINTS HERE
2392	010144	001401		BEQ	.+4	
2393	010146	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2394						
2395	010150	000137	010154	JMP	@#. +4	
2396	010154	060500		ADD	%5,%0	
2397	010156	020700		CMP	%7,%0	;%0 POINTS HERE
2398	010160	001401		BEQ	.+4	
2399	010162	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2400	010164	060400		ADD	%4,%0	
2401						
2402						
2403	010166	000177	000000	JMP	@. +4	
2404	010172	010174		.+2		
2405	010174	020700		CMP	%7,%0	;%0 POINTS HERE
2406	010176	001401		BEQ	.+4	
2407	010200	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2408						
2409	010202	000160	000010	JMP	A(0)	
2410	010206	060500		ADD	%5,%0	
2411	010210	020700		CMP	%7,%0	;%0 POINTS HERE
2412	010212	001401		BEQ	.+4	
2413	010214	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2414						
2415	010216	060200		ADD	%2,%0	
2416	010220	000110		JMP	@%0	
2417	010222	060300		ADD	%3,%0	
2418	010224	020700		CMP	%7,%0	;%0 POINTS HERE
2419	010226	001401		BEQ	.+4	
2420	010230	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2421	010232	000167	000000	JMP	.+4	
2422	010236	060500		ADD	%5,%0	
2423	010240	020700		CMP	%7,%0	;%0 POINTS HERE
2424	010242	001401		BEQ	.+4	
2425	010244	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2426						
2427	010246	000137	010252	JMP	@#. +4	
2428	010252	060500		ADD	%5,%0	
2429	010254	020700		CMP	%7,%0	;%0 POINTS HERE
2430	010256	001401		BEQ	.+4	
2431	010260	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2432	010262	060400		ADD	%4,%0	
2433						
2434						
2435	010264	000177	000000	JMP	@. +4	

2436	010270	010272		.+2		
2437	010272	020700		CMP	%7,%0	;%0 POINTS HERE
2438	010274	001401		BEQ	.+4	
2439	010276	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2440						
2441	010300	000160	000010	JMP	A(0)	
2442	010304	060500		ADC	%5,%0	
2443	010306	020700		CMP	%7,%0	;%0 POINTS HERE
2444	010310	001401		BEQ	.+4	
2445	010312	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2446						
2447	010314	060200		ADD	%2,%0	
2448	010316	000110		JMP	2%0	
2449	010320	060300		ADD	%3,%0	
2450	010322	020700		CMP	%7,%0	;%0 POINTS HERE
2451	010324	001401		BEQ	.+4	
2452	010326	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2453	010330	000167	000000	JMP	.+4	
2454	010334	060500		ADD	%5,%0	
2455	010336	020700		CMP	%7,%0	;%0 POINTS HERE
2456	010340	001401		BEQ	.+4	
2457	010342	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2458						
2459	010344	000137	010350	JMP	2#. +4	
2460	010350	060500		ADD	%5,%0	
2461	010352	020700		CMP	%7,%0	;%0 POINTS HERE
2462	010354	001401		BEQ	.+4	
2463	010356	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2464	010360	060400		ADD	%4,%0	
2465						
2466						
2467	010362	000177	000000	JMP	2. +4	
2468	010366	010370		.+2		
2469	010370	020700		CMP	%7,%0	;%0 POINTS HERE
2470	010372	001401		BEQ	.+4	
2471	010374	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2472						
2473	010376	000160	000010	JMP	A(0)	
2474	010402	060500		ADD	%5,%0	
2475	010404	020700		CMP	%7,%0	;%0 POINTS HERE
2476	010406	001401		BEQ	.+4	
2477	010410	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2478						
2479	010412	060200		ADD	%2,%0	
2480	010414	000110		JMP	2%0	
2481	010416	060300		ADD	%3,%0	
2482	010420	020700		CMP	%7,%0	;%0 POINTS HERE
2483	010422	001401		BEQ	.+4	
2484	010424	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2485	010426	000167	000000	JMP	.+4	
2486	010432	060500		ADD	%5,%0	
2487	010434	020700		CMP	%7,%0	;%0 POINTS HERE
2488	010436	001401		BEQ	.+4	
2489	010440	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2490						
2491	010442	000137	010446	JMP	2#. +4	

2492	010446	060500		ADD	%5,%0	
2493	010450	020700		CMP	%7,%0	;%0 POINTS HERE
2494	010452	001401		BEQ	.+4	
2495	010454	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2496	010456	060400		ADD	%4,%0	
2497						
2498						
2499	010460	000177	000000	JMP	2.+4	
2500	010464	010466		.+2		
2501	010466	020700		CMP	%7,%0	;%0 POINTS HERE
2502	010470	001401		BEQ	.+4	
2503	010472	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2504						
2505	010474	000160	000010	JMP	A(0)	
2506	010500	060500		ADD	%5,%0	
2507	010502	020700		CMP	%7,%0	;%0 POINTS HERE
2508	010504	001401		BEQ	.+4	
2509	010506	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2510						
2511	010510	060200		ADD	%2,%0	
2512	010512	000110		JMP	2%0	
2513	010514	060300		ADD	%3,%0	
2514	010516	020700		CMP	%7,%0	;%0 POINTS HERE
2515	010520	001401		BEQ	.+4	
2516	010522	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2517	010524	000167	000000	JMP	.+4	
2518	010530	060500		ADD	%5,%0	
2519	010532	020700		CMP	%7,%0	;%0 POINTS HERE
2520	010534	001401		BEQ	.+4	
2521	010536	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2522						
2523	010540	000137	010544	JMP	2#. +4	
2524	010544	060500		ADD	%5,%0	
2525	010546	020700		CMP	%7,%0	;%0 POINTS HERE
2526	010550	001401		BEQ	.+4	
2527	010552	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2528	010554	060400		ADD	%4,%0	
2529						
2530						
2531	010556	000177	000000	JMP	2.+4	
2532	010562	010564		.+2		
2533	010564	020700		CMP	%7,%0	;%0 POINTS HERE
2534	010566	001401		BEQ	.+4	
2535	010570	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2536						
2537	010572	000160	000010	JMP	A(0)	
2538	010576	060500		ADD	%5,%0	
2539	010600	020700		CMP	%7,%0	;%0 POINTS HERE
2540	010602	001401		BEQ	.+4	
2541	010604	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2542						
2543	010606	060200		ADD	%2,%0	
2544	010610	000110		JMP	2%0	
2545	010612	060300		ADD	%3,%0	
2546	010614	020700		CMP	%7,%0	;%0 POINTS HERE
2547	010616	001401		BEQ	.+4	

2548	010620	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
2549	010622	000167	000000	JMP	.+4		
2550	010626	060500		ADD	%5,%0		
2551	010630	020700		CMP	%7,%0		;%0 POINTS HERE
2552	010632	001401		BEQ	.+4		
2553	010634	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
2554							
2555	010636	000137	010642	JMP	2#. +4		
2556	010642	060500		ADD	%5,%0		
2557	010644	020700		CMP	%7,%0		;%0 POINTS HERE
2558	010646	001401		BEQ	.+4		
2559	010650	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
2560	010652	060400		ADD	%4,%0		
2561							
2562							
2563	010654	000177	000000	JMP	2. +4		
2564	010660	010662		.+2			
2565	010662	020700		CMP	%7,%0		;%0 POINTS HERE
2566	010664	001401		BEQ	.+4		
2567	010666	000000		HLT			;JMP BEFORE VALUE IN REGISTER ZERO BAD
2568							
2569	010670	000160	000010	JMP	A(0)		
2570	010674	060500		ADD	%5,%0		
2571	010676	020700		CMP	%7,%0		;%0 POINTS HERE
2572	010700	001401		BEQ	.+4		
2573	010702	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
2574							
2575	010704	060200		ADD	%2,%0		
2576	010706	000110		JMP	2%0		
2577	010710	060300		ADD	%3,%0		
2578	010712	020700		CMP	%7,%0		;%0 POINTS HERE
2579	010714	001401		BEQ	.+4		
2580	010716	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
2581	010720	000167	000000	JMP	.+4		
2582	010724	060500		ADD	%5,%0		
2583	010726	020700		CMP	%7,%0		;%0 POINTS HERE
2584	010730	001401		BEQ	.+4		
2585	010732	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
2586							
2587	010734	000137	010740	JMP	2#. +4		
2588	010740	060500		ADD	%5,%0		
2589	010742	020700		CMP	%7,%0		;%0 POINTS HERE
2590	010744	001401		BEQ	.+4		
2591	010746	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
2592	010750	060400		ADD	%4,%0		
2593							
2594							
2595	010752	000177	000000	JMP	2. +4		
2596	010756	010760		.+2			
2597	010760	020700		CMP	%7,%0		;%0 POINTS HERE
2598	010762	001401		BEQ	.+4		
2599	010764	000000		HLT			;JMP BEFORE VALUE IN REGISTER ZERO BAD
2600							
2601	010766	000160	000010	JMP	A(0)		
2602	010772	060500		ADD	%5,%0		
2603	010774	020700		CMP	%7,%0		;%0 POINTS HERE

2604	010776	001401		BEQ	.+4	
2605	011000	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2606						
2607	011002	060200		ADD	%2,%0	
2608	011004	000110		JMP	@%0	
2609	011006	060300		ADD	%3,%0	
2610	011010	020700		CMP	%7,%0	;%0 POINTS HERE
2611	011012	001401		BEQ	.+4	
2612	011014	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2613	011016	000167	000000	JMP	.+4	
2614	011022	060500		ADD	%5,%0	
2615	011024	020700		CMP	%7,%0	;%0 POINTS HERE
2616	011026	001401		BEQ	.+4	
2617	011030	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2618						
2619	011032	000137	011036	JMP	@#. +4	
2620	011036	060500		ADD	%5,%0	
2621	011040	020700		CMP	%7,%0	;%0 POINTS HERE
2622	011042	001401		BEQ	.+4	
2623	011044	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2624	011046	060400		ADD	%4,%0	
2625						
2626						
2627	011050	000177	000000	JMP	@. +4	
2628	011054	011056		.+2		
2629	011056	020700		CMP	%7,%0	;%0 POINTS HERE
2630	011060	001401		BEQ	.+4	
2631	011062	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2632						
2633	011064	000160	000010	JMP	A(0)	
2634	011070	060500		ADD	%5,%0	
2635	011072	020700		CMP	%7,%0	;%0 POINTS HERE
2636	011074	001401		BEQ	.+4	
2637	011076	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2638						
2639	011100	060200		ADD	%2,%0	
2640	011102	000110		JMP	@%0	
2641	011104	060300		ADD	%3,%0	
2642	011106	020700		CMP	%7,%0	;%0 POINTS HERE
2643	011110	001401		BEQ	.+4	
2644	011112	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2645	011114	000167	000000	JMP	.+4	
2646	011120	060500		ADD	%5,%0	
2647	011122	020700		CMP	%7,%0	;%0 POINTS HERE
2648	011124	001401		BEQ	.+4	
2649	011126	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2650						
2651	011130	000137	011134	JMP	@#. +4	
2652	011134	060500		ADD	%5,%0	
2653	011136	020700		CMP	%7,%0	;%0 POINTS HERE
2654	011140	001401		BEQ	.+4	
2655	011142	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2656	011144	060400		ADD	%4,%0	
2657						
2658						
2659	011146	000177	000000	JMP	@. +4	

2660	011152	011154		.+2		
2661	011154	020700		CMP	%7,%0	;%0 POINTS HERE
2662	011156	001401		BEQ	.+4	
2663	011160	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2664						
2665	011162	000160	000010	JMP	A(0)	
2666	011166	060500		ADD	%5,%0	
2667	011170	020700		CMP	%7,%0	;%0 POINTS HERE
2668	011172	001401		BEQ	.+4	
2669	011174	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2670						
2671	011176	060200		ADD	%2,%0	
2672	011200	000110		JMP	@%0	
2673	011202	060300		ADD	%3,%0	
2674	011204	020700		CMP	%7,%0	;%0 POINTS HERE
2675	011206	001401		BEQ	.+4	
2676	011210	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2677	011212	000167	000000	JMP	.+4	
2678	011216	060500		ADD	%5,%0	
2679	011220	020700		CMP	%7,%0	;%0 POINTS HERE
2680	011222	001401		BEQ	.+4	
2681	011224	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2682						
2683	011226	000137	011232	JMP	@#. +4	
2684	011232	060500		ADD	%5,%0	
2685	011234	020700		CMP	%7,%0	;%0 POINTS HERE
2686	011236	001401		BEQ	.+4	
2687	011240	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2688	011242	060400		ADD	%4,%0	
2689						
2690						
2691	011244	000177	000000	JMP	@. +4	
2692	011250	011252		.+2		
2693	011252	020700		CMP	%7,%0	;%0 POINTS HERE
2694	011254	001401		BEQ	.+4	
2695	011256	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2696						
2697	011260	000160	000010	JMP	A(0)	
2698	011264	060500		ADD	%5,%0	
2699	011266	020700		CMP	%7,%0	;%0 POINTS HERE
2700	011270	001401		BEQ	.+4	
2701	011272	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2702						
2703	011274	060200		ADD	%2,%0	
2704	011276	000110		JMP	@%0	
2705	011300	060300		ADD	%3,%0	
2706	011302	020700		CMP	%7,%0	;%0 POINTS HERE
2707	011304	001401		BEQ	.+4	
2708	011306	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2709	011310	000167	000000	JMP	.+4	
2710	011314	060500		ADD	%5,%0	
2711	011316	020700		CMP	%7,%0	;%0 POINTS HERE
2712	011320	001401		BEQ	.+4	
2713	011322	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2714						
2715	011324	000137	011330	JMP	@#. +4	

2716	011330	060500		ADD	%5,%0	
2717	011332	020700		CMP	%7,%0	;%0 POINTS HERE
2718	011334	001401		BEQ	+.4	
2719	011336	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2720	011340	060400		ADD	%4,%0	
2721						
2722						
2723	011342	000177	000000	JMP	a.+4	
2724	011346	011350		.+2		
2725	011350	020700		CMP	%7,%0	;%0 POINTS HERE
2726	011352	001401		BEQ	+.4	
2727	011354	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2728						
2729	011356	000160	000010	JMP	A(0)	
2730	011362	060500		ADD	%5,%0	
2731	011364	020700		CMP	%7,%0	;%0 POINTS HERE
2732	011366	001401		BEQ	+.4	
2733	011370	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2734						
2735	011372	060200		ADD	%2,%0	
2736	011374	000110		JMP	a%0	
2737	011376	060300		ADD	%3,%0	
2738	011400	020700		CMP	%7,%0	;%0 POINTS HERE
2739	011402	001401		BEQ	+.4	
2740	011404	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2741	011406	000167	000000	JMP	+.4	
2742	011412	060500		ADD	%5,%0	
2743	011414	020700		CMP	%7,%0	;%0 POINTS HERE
2744	011416	001401		BEQ	+.4	
2745	011420	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2746						
2747	011422	000137	011426	JMP	a#.+4	
2748	011426	060500		ADD	%5,%0	
2749	011430	020700		CMP	%7,%0	;%0 POINTS HERE
2750	011432	001401		BEQ	+.4	
2751	011434	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2752	011436	060400		ADD	%4,%0	
2753						
2754						
2755	011440	000177	000000	JMP	a.+4	
2756	011444	011446		.+2		
2757	011446	020700		CMP	%7,%0	;%0 POINTS HERE
2758	011450	001401		BEQ	+.4	
2759	011452	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2760						
2761	011454	000160	000010	JMP	A(0)	
2762	011460	060500		ADD	%5,%0	
2763	011462	020700		CMP	%7,%0	;%0 POINTS HERE
2764	011464	001401		BEQ	+.4	
2765	011466	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2766						
2767	011470	060200		ADD	%2,%0	
2768	011472	000110		JMP	a%0	
2769	011474	060300		ADD	%3,%0	
2770	011476	020700		CMP	%7,%0	;%0 POINTS HERE
2771	011500	001401		BEQ	+.4	

B05

2773	011502	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2774	011504	060167	000000	JMP	.+4	
2775	011510	060500		ADD	%5,%0	
2776	011512	020700		CMP	%7,%0	;%0 POINTS HERE
2777	011514	001401		BEQ	.+4	
2778	011516	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2779	011520	000137	011524	JMP	28.+4	
2780	011524	060500		ADD	%5,%0	
2781	011526	020700		CMP	%7,%0	;%0 POINTS HERE
2782	011530	001401		BEQ	.+4	
2783	011532	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2784	011534	060400		ADD	%4,%0	
2785						
2786						
2787	011536	000177	000000	JMP	2.+4	
2788	011542	011544		.+2		
2789	011544	020700		CMP	%7,%0	;%0 POINTS HERE
2790	011546	001401		BEQ	.+4	
2791	011550	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2792						
2793	011552	000160	000010	JMP	A(0)	
2794	011556	060500		ADD	%5,%0	
2795	011560	020700		CMP	%7,%0	;%0 POINTS HERE
2796	011562	001401		BEQ	.+4	
2797	011564	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2798						
2799	011566	060200		ADD	%2,%0	
2800	011570	000110		JMP	2%0	
2801	011572	060300		ADD	%3,%0	
2802	011574	020700		CMP	%7,%0	;%0 POINTS HERE
2803	011576	001401		BEQ	.+4	
2804	011600	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2805	011602	000167	000000	JMP	.+4	
2806	011606	060500		ADD	%5,%0	
2807	011610	020700		CMP	%7,%0	;%0 POINTS HERE
2808	011612	001401		BEQ	.+4	
2809	011614	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2810						
2811	011616	000137	011622	JMP	28.+4	
2812	011622	060500		ADD	%5,%0	
2813	011624	020700		CMP	%7,%0	;%0 POINTS HERE
2814	011626	001401		BEQ	.+4	
2815	011630	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2816	011632	060700		ADD	%4,%0	
2817						
2818						
2819	011634	000177	000000	JMP	2.+4	
2820	011640	011642		.+2		
2821	011642	020700		CMP	%7,%0	;%0 POINTS HERE
2822	011644	001401		BEQ	.+4	
2823	011646	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2824						
2825	011650	000160	000010	JMP	A(0)	
2826	011654	060500		ADD	%5,%0	
2827	011656	020700		CMP	%7,%0	;%0 POINTS HERE

2828	011660	001401		BEQ	.+4	
2829	011662	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2830						
2831	011664	060200		ADD	%2,%0	
2832	011666	000110		JMP	%0	
2833	011670	060300		ADD	%3,%0	
2834	011672	020700		CMP	%7,%0	;%0 POINTS HERE
2835	011674	001401		BEQ	.+4	
2836	011676	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2837	011700	000167	000000	JMP	.+4	
2838	011704	060500		ADD	%5,%0	
2839	011706	020700		CMP	%7,%0	;%0 POINTS HERE
2840	011710	001401		BEQ	.+4	
2841	011712	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2842						
2843	011714	000137	011720	JMP	%0,+4	
2844	011720	060500		ADD	%5,%0	
2845	011722	020700		CMP	%7,%0	;%0 POINTS HERE
2846	011724	001401		BEQ	.+4	
2847	011726	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2848	011730	060400		ADD	%4,%0	
2849						
2850						
2851	011732	000177	000000	JMP	%0,+4	
2852	011736	011740		.+2		
2853	011740	020700		CMP	%7,%0	;%0 POINTS HERE
2854	011742	001401		BEQ	.+4	
2855	011744	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2856						
2857	011746	000160	000010	JMP	A(0)	
2858	011752	060500		ADD	%5,%0	
2859	011754	020700		CMP	%7,%0	;%0 POINTS HERE
2860	011756	001401		BEQ	.+4	
2861	011760	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2862						
2863	011762	060200		ADD	%2,%0	
2864	011764	000110		JMP	%0	
2865	011766	060300		ADD	%3,%0	
2866	011770	020700		CMP	%7,%0	;%0 POINTS HERE
2867	011772	001401		BEQ	.+4	
2868	011774	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2869	011776	000167	000000	JMP	.+4	
2870	012002	060500		ADD	%5,%0	
2871	012004	020700		CMP	%7,%0	;%0 POINTS HERE
2872	012006	001401		BEQ	.+4	
2873	012010	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2874						
2875	012012	000137	012016	JMP	%0,+4	
2876	012016	060500		ADD	%5,%0	
2877	012020	020700		CMP	%7,%0	;%0 POINTS HERE
2878	012022	001401		BEQ	.+4	
2879	012024	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2880	012026	060400		ADD	%4,%0	
2881						
2882						
2883	012030	000177	000000	JMP	%0,+4	

2894	012034	012036		.+2		
2885	012036	020700		CMP	%7,%0	;%0 POINTS HERE
2886	012040	001401		BEQ	.+4	
2887	012042	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2888						
2889	012044	000160	000010	JMP	A(0)	
2890	012050	060500		ADD	%5,%0	
2891	012052	020700		CMP	%7,%0	;%0 POINTS HERE
2892	012054	001401		BEQ	.+4	
2893	01205E	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2894						
2895	012060	060200		ADD	%2,%0	
2896	012062	000110		JMP	0%0	
2897	012064	060300		ADD	%3,%0	
2898	012066	020700		CMP	%7,%0	;%0 POINTS HERE
2899	012070	001401		BEQ	.+4	
2900	012072	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2901	012074	000167	000000	JMP	.+4	
2902	012100	060500		ADD	%5,%0	
2903	012102	020700		CMP	%7,%0	;%0 POINTS HERE
2904	012104	001401		BEQ	.+4	
2905	012106	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2906						
2907	012110	000137	012114	JMP	08.+4	
2908	012114	060500		ADD	%5,%0	
2909	012116	020700		CMP	%7,%0	;%0 POINTS HERE
2910	012120	001401		BEQ	.+4	
2911	012122	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2912	012124	060400		ADD	%4,%0	
2913						
2914						
2915	012126	000177	000000	JMP	0.+4	
2916	012132	012134		.+2		
2917	012134	020700		CMP	%7,%0	;%0 POINTS HERE
2918	012136	001401		BEQ	.+4	
2919	012140	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2920						
2921	012142	000160	000010	JMP	A(0)	
2922	012146	060500		ADD	%5,%0	
2923	012150	020700		CMP	%7,%0	;%0 POINTS HERE
2924	012152	001401		BEQ	.+4	
2925	012154	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2926						
2927	012156	060200		ADD	%2,%0	
2928	012160	000110		JMP	0%0	
2929	012162	060300		ADD	%3,%0	
2930	012164	020700		CMP	%7,%0	;%0 POINTS HERE
2931	012166	001401		BEQ	.+4	
2932	012170	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2933	012172	000167	000000	JMP	.+4	
2934	012176	060500		ADD	%5,%0	
2935	012200	020700		CMP	%7,%0	;%0 POINTS HERE
2936	012202	001401		BEQ	.+4	
2937	012204	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2938						
2939	012206	000137	012212	JMP	08.+4	

2940	012212	060500		ADD	%5,%0	
2941	012214	020700		CMP	%7,%0	;%0 POINTS HERE
2942	012216	001401		BEQ	.+4	
2943	012220	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2944	012222	060400		ADD	%4,%0	
2945						
2946						
2947	012224	000177	000000	JMP	2.+4	
2948	012230	012232		.+2		
2949	012232	020700		CMP	%7,%0	;%0 POINTS HERE
2950	012234	001401		BEQ	.+4	
2951	012236	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2952						
2953	012240	000160	000010	JMP	A(0)	
2954	012244	060500		ADD	%5,%0	
2955	012246	020700		CMP	%7,%0	;%0 POINTS HERE
2956	012250	001401		BEQ	.+4	
2957	012252	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2958						
2959	012254	060200		ADD	%2,%0	
2960	012256	000110		JMP	2%0	
2961	012260	060300		ADD	%3,%0	
2962	012262	020700		CMP	%7,%0	;%0 POINTS HERE
2963	012264	001401		BEQ	.+4	
2964	012266	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2965	012270	000167	000000	JMP	.+4	
2966	012274	060500		ADD	%5,%0	
2967	012276	020700		CMP	%7,%0	;%0 POINTS HERE
2968	012300	001401		BEQ	.+4	
2969	012302	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2970						
2971	012304	000137	012310	JMP	28.+4	
2972	012310	060500		ADD	%5,%0	
2973	012312	020700		CMP	%7,%0	;%0 POINTS HERE
2974	012314	001401		BEQ	.+4	
2975	012316	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2976	012320	060400		ADD	%4,%0	
2977						
2978						
2979	012322	000177	000000	JMP	2.+4	
2980	012326	012330		.+2		
2981	012330	020700		CMP	%7,%0	;%0 POINTS HERE
2982	012332	001401		BEQ	.+4	
2983	012334	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
2984						
2985	012336	000160	000010	JMP	A(0)	
2986	012342	060500		ADD	%5,%0	
2987	012344	020700		CMP	%7,%0	;%0 POINTS HERE
2988	012346	001401		BEQ	.+4	
2989	012350	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
2990						
2991	012352	060200		ADD	%2,%0	
2992	012354	000110		JMP	2%0	
2993	012356	060300		ADD	%3,%0	
2994	012360	020700		CMP	%7,%0	;%0 POINTS HERE
2995	012362	001401		BEQ	.+4	

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2996	012364	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
2997	012366	000167	000000	JMP	.+4		
2998	012372	060500		ADD	%5,%0		
2999	012374	020700		CMP	%7,%0		;%0 POINTS HERE
3000	012376	001401		BEQ	.+4		
3001	012400	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
3002							
3003	012402	000137	012406	JMP	2*.+4		
3004	012406	060500		ADD	%5,%0		
3005	012410	020700		CMP	%7,%0		;%0 POINTS HERE
3006	012412	001401		BEQ	.+4		
3007	012414	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
3008	012416	060400		ADD	%4,%0		
3009							
3010							
3011	012420	000177	000000	JMP	2.+4		
3012	012424	012426		.+2			
3013	012426	020700		CMP	%7,%0		;%0 POINTS HERE
3014	012430	001401		BEQ	.+4		
3015	012432	000000		HLT			;JMP BEFORE VALUE IN REGISTER ZERO BAD
3016							
3017	012434	000160	000010	JMP	A(0)		
3018	012440	060500		ADD	%5,%0		
3019	012442	020700		CMP	%7,%0		;%0 POINTS HERE
3020	012444	001401		BEQ	.+4		
3021	012446	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
3022							
3023	012450	060200		ADD	%2,%0		
3024	012452	000110		JMP	2%0		
3025	012454	060300		ADD	%3,%0		
3026	012456	020700		CMP	%7,%0		;%0 POINTS HERE
3027	012460	001401		BEQ	.+4		
3028	012462	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
3029	012464	000167	000000	JMP	.+4		
3030	012470	060500		ADD	%5,%0		
3031	012472	020700		CMP	%7,%0		;%0 POINTS HERE
3032	012474	001401		BEQ	.+4		
3033	012476	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
3034							
3035	012500	000137	012504	JMP	2*.+4		
3036	012504	060500		ADD	%5,%0		
3037	012506	020700		CMP	%7,%0		;%0 POINTS HERE
3038	012510	001401		BEQ	.+4		
3039	012512	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
3040	012514	060400		ADD	%4,%0		
3041							
3042							
3043	012516	000177	000000	JMP	2.+4		
3044	012522	012524		.+2			
3045	012524	020700		CMP	%7,%0		;%0 POINTS HERE
3046	012526	001401		BEQ	.+4		
3047	012530	000000		HLT			;JMP BEFORE VALUE IN REGISTER ZERO BAD
3048							
3049	012532	000160	000010	JMP	A(0)		
3050	012536	060500		ADD	%5,%0		
3051	012540	020700		CMP	%7,%0		;%0 POINTS HERE

3052	012542	001401		BEQ	.+4	
3053	012544	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3054						
3055	012546	060200		ADD	%2,%0	
3056	012550	000110		JMP	@%0	
3057	012552	060300		ADD	%3,%0	
3058	012554	020700		CMP	%7,%0	;%0 POINTS HERE
3059	012556	001401		BEQ	.+4	
3060	012560	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3061	012562	000167	000000	JMP	.+4	
3062	012566	060500		ADD	%5,%0	
3063	012570	020700		CMP	%7,%0	;%0 POINTS HERE
3064	012572	001401		BEQ	.+4	
3065	012574	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3066						
3067	012576	000137	012602	JMP	@#. +4	
3068	012602	060500		ADD	%5,%0	
3069	012604	020700		CMP	%7,%0	;%0 POINTS HERE
3070	012606	001401		BEQ	.+4	
3071	012610	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3072	012612	060400		ADD	%4,%0	
3073						
3074						
3075	012614	000177	000000	JMP	@. +4	
3076	012620	012622		.+2		
3077	012622	020700		CMP	%7,%0	;%0 POINTS HERE
3078	012624	001401		BEQ	.+4	
3079	012626	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
3080						
3081	012630	000160	000010	JMP	A(0)	
3082	012634	060500		ADD	%5,%0	
3083	012636	020700		CMP	%7,%0	;%0 POINTS HERE
3084	012640	001401		BEQ	.+4	
3085	012642	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3086						
3087	012644	060200		ADD	%2,%0	
3088	012646	000110		JMP	@%0	
3089	012650	060300		ADD	%3,%0	
3090	012652	020700		CMP	%7,%0	;%0 POINTS HERE
3091	012654	001401		BEQ	.+4	
3092	012656	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3093	012660	000167	000000	JMP	.+4	
3094	012664	060500		ADD	%5,%0	
3095	012666	020700		CMP	%7,%0	;%0 POINTS HERE
3096	012670	001401		BEQ	.+4	
3097	012672	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3098						
3099	012674	000137	012700	JMP	@#. +4	
3100	012700	060500		ADD	%5,%0	
3101	012702	020700		CMP	%7,%0	;%0 POINTS HERE
3102	012704	001401		BEQ	.+4	
3103	012706	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3104	012710	060400		ADD	%4,%0	
3105						
3106						
3107	012712	000177	000000	JMP	@. +4	

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3108	012716	012720		.+2		
3109	012720	020700		CMP	%7,%0	;%0 POINTS HERE
3110	012722	001401		BEQ	.+4	
3111	012724	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
3112						
3113	012726	000160	000010	JMP	A(0)	
3114	012732	060500		ADD	%5,%0	
3115	012734	020700		CMP	%7,%0	;%0 POINTS HERE
3116	012736	001401		BEQ	.+4	
3117	012740	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3118						
3119	012742	060200		ADD	%2,%0	
3120	012744	000110		JMP	0%0	
3121	012746	060300		ADD	%3,%0	
3122	012750	020700		CMP	%7,%0	;%0 POINTS HERE
3123	012752	001401		BEQ	.+4	
3124	012754	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3125	012756	000167	000000	JMP	.+4	
3126	012762	060500		ADD	%5,%0	
3127	012764	020700		CMP	%7,%0	;%0 POINTS HERE
3128	012766	001401		BEQ	.+4	
3129	012770	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3130						
3131	012772	000137	012776	JMP	0#. +4	
3132	012776	060500		ADD	%5,%0	
3133	013000	020700		CMP	%7,%0	;%0 POINTS HERE
3134	013002	001401		BEQ	.+4	
3135	013004	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3136	013006	060400		F.DD	%4,%0	
3137						
3138						
3139	013010	000177	000000	JMP	0. +4	
3140	013014	013016		.+2		
3141	013016	020700		CMP	%7,%0	;%0 POINTS HERE
3142	013020	001401		BEQ	.+4	
3143	013022	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
3144						
3145	013024	000160	000010	JMP	A(0)	
3146	013030	060500		ADD	%5,%0	
3147	013032	020700		CMP	%7,%0	;%0 POINTS HERE
3148	013034	001401		BEQ	.+4	
3149	013036	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3150						
3151	013040	060200		ADD	%2,%0	
3152	013042	000110		JMP	0%0	
3153	013044	060300		ADD	%3,%0	
3154	013046	020700		CMP	%7,%0	;%0 POINTS HERE
3155	013050	001401		BEQ	.+4	
3156	013052	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3157	013054	000167	000000	JMP	.+4	
3158	013060	060500		ADD	%5,%0	
3159	013062	020700		CMP	%7,%0	;%0 POINTS HERE
3160	013064	001401		BEQ	.+4	
3161	013066	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3162						
3163	013070	000137	013074	JMP	0#. +4	

3164	013074	060500		ADD	%5,%0	
3165	013076	020700		CMP	%7,%0	;%0 POINTS HERE
3166	013100	001401		BEQ	+.4	
3167	013102	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3168	013104	060400		ADD	%4,%0	
3169						
3170						
3171	013106	000177	000000	JMP	2.+4	
3172	013112	013114		+.2		
3173	013114	020700		CMP	%7,%0	;%0 POINTS HERE
3174	013116	001401		BEQ	+.4	
3175	013120	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
3176						
3177	013122	000160	000010	JMP	A(0)	
3178	013126	060500		ADD	%5,%0	
3179	013130	020700		CMP	%7,%0	;%0 POINTS HERE
3180	013132	001401		BEQ	+.4	
3181	013134	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3182						
3183	013136	060200		ADD	%2,%0	
3184	013140	000110		JMP	2%0	
3185	013142	060300		ADD	%3,%0	
3186	013144	020700		CMP	%7,%0	;%0 POINTS HERE
3187	013146	001401		BEQ	+.4	
3188	013150	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3189	013152	000167	000000	JMP	+.4	
3190	013156	060500		ADD	%5,%0	
3191	013160	020700		CMP	%7,%0	;%0 POINTS HERE
3192	013162	001401		BEQ	+.4	
3193	013164	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3194						
3195	013166	000137	013172	JMP	28.+4	
3196	013172	060500		ADD	%5,%0	
3197	013174	020700		CMP	%7,%0	;%0 POINTS HERE
3198	013176	001401		BEQ	+.4	
3199	013200	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3200	013202	060400		ADD	%4,%0	
3201						
3202						
3203	013204	000177	000000	JMP	2.+4	
3204	013210	013212		+.2		
3205	013212	020700		CMP	%7,%0	;%0 POINTS HERE
3206	013214	001401		BEQ	+.4	
3207	013216	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
3208						
3209	013220	000160	000010	JMP	A(0)	
3210	013224	060500		ADD	%5,%0	
3211	013226	020700		CMP	%7,%0	;%0 POINTS HERE
3212	013230	001401		BEQ	+.4	
3213	013232	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3214						
3215	013234	060200		ADD	%2,%0	
3216	013236	000110		JMP	2%0	
3217	013240	060300		ADD	%3,%0	
3218	013242	020700		CMP	%7,%0	;%0 POINTS HERE
3219	013244	001401		BEQ	+.4	

3220	013246	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3221	013250	000167	000000	JMP	.+4	
3222	013254	060500		ADD	%5,%0	
3223	013256	020700		CMP	%7,%0	;%0 POINTS HERE
3224	013260	001401		BEQ	.+4	
3225	013262	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3226						
3227	013264	000137	013270	JMP	2*.+4	
3228	013270	060500		ADD	%5,%0	
3229	013272	020700		CMP	%7,%0	;%0 POINTS HERE
3230	013274	001401		BEQ	.+4	
3231	013276	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3232	013300	060400		ADD	%4,%0	
3233						
3234						
3235	013302	000177	000000	JMP	2.+4	
3236	013306	013310		.+2		
3237	013310	020700		CMP	%7,%0	;%0 POINTS HERE
3238	013312	001401		BEQ	.+4	
3239	013314	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
3240						
3241	013316	000160	000010	JMP	A(0)	
3242	013322	060500		ADD	%5,%0	
3243	013324	020700		CMP	%7,%0	;%0 POINTS HERE
3244	013326	001401		BEQ	.+4	
3245	013330	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3246						
3247	013332	060200		ADD	%2,%0	
3248	013334	000110		JMP	2%0	
3249	013336	060300		ADD	%3,%0	
3250	013340	020700		CMP	%7,%0	;%0 POINTS HERE
3251	013342	001401		BEQ	.+4	
3252	013344	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3253	013346	000167	000000	JMP	.+4	
3254	013352	060500		ADD	%5,%0	
3255	013354	020700		CMP	%7,%0	;%0 POINTS HERE
3256	013356	001401		BEQ	.+4	
3257	013360	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3258						
3259	013362	000137	013366	JMP	2*.+4	
3260	013366	060500		ADD	%5,%0	
3261	013370	020700		CMP	%7,%0	;%0 POINTS HERE
3262	013372	001401		BEQ	.+4	
3263	013374	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3264	013376	060400		ADD	%4,%0	
3265						
3266						
3267	013400	000177	000000	JMP	2.+4	
3268	013404	013406		.+2		
3269	013406	020700		CMP	%7,%0	;%0 POINTS HERE
3270	013410	001401		BEQ	.+4	
3271	013412	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
3272						
3273	013414	000160	000010	JMP	A(0)	
3274	013420	060500		ADD	%5,%0	
3275	013422	020700		CMP	%7,%0	;%0 POINTS HERE

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3276	013424	001401		BEQ	.+4	
3277	013426	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3278						
3279	013430	060200		ADD	%2,%0	
3280	013432	000110		JMP	@%0	
3281	013434	060300		ADD	%3,%0	
3282	013436	020700		CMP	%7,%0	;%0 POINTS HERE
3283	013440	001401		BEQ	.+4	
3284	013442	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3285	013444	000167	000000	JMP	.+4	
3286	013450	060500		ADD	%5,%0	
3287	013452	020700		CMP	%7,%0	;%0 POINTS HERE
3288	013454	001401		BEQ	.+4	
3289	013456	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3290						
3291	013460	000137	013464	JMP	@#. +4	
3292	013464	060500		ADD	%5,%0	
3293	013466	020700		CMP	%7,%0	;%0 POINTS HERE
3294	013470	001401		BEQ	.+4	
3295	013472	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3296	013474	060400		ADD	%4,%0	
3297						
3298						
3299	013476	000177	000000	JMP	@. +4	
3300	013502	013504		.+2		
3301	013504	020700		CMP	%7,%0	;%0 POINTS HERE
3302	013506	001401		BEQ	.+4	
3303	013510	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
3304						
3305	013512	000160	000010	JMP	A(0)	
3306	013516	060500		ADD	%5,%0	
3307	013520	020700		CMP	%7,%0	;%0 POINTS HERE
3308	013522	001401		BEQ	.+4	
3309	013524	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3310						
3311	013526	060200		ADD	%2,%0	
3312	013530	000110		JMP	@%0	
3313	013532	060300		ADD	%3,%0	
3314	013534	020700		CMP	%7,%0	;%0 POINTS HERE
3315	013536	001401		BEQ	.+4	
3316	013540	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3317	013542	000167	000000	JMP	.+4	
3318	013546	060500		ADD	%5,%0	
3319	013550	020700		CMP	%7,%0	;%0 POINTS HERE
3320	013552	001401		BEQ	.+4	
3321	013554	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3322						
3323	013556	000137	013562	JMP	@#. +4	
3324	013562	060500		ADD	%5,%0	
3325	013564	020700		CMP	%7,%0	;%0 POINTS HERE
3326	013566	001401		BEQ	.+4	
3327	013570	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3328	013572	060400		ADD	%4,%0	
3329						
3330						
3331	013574	000177	000000	JMP	@. +4	

3332	013600	013602		.+2		
3333	013602	020700		CMP	%7,%0	;%0 POINTS HERE
3334	013604	001401		BEQ	.+4	
3335	013606	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
3336						
3337	013610	000160	000010	JMP	A(0)	
3338	013614	060500		ADD	%5,%0	
3339	013616	020700		CMP	%7,%0	;%0 POINTS HERE
3340	013620	001401		BEQ	.+4	
3341	013622	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3342						
3343	013624	060200		ADD	%2,%0	
3344	013626	000110		JMP	2%0	
3345	013630	060300		ADD	%3,%0	
3346	013632	020700		CMP	%7,%0	;%0 POINTS HERE
3347	013634	001401		BEQ	.+4	
3348	013636	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3349	013640	000167	000000	JMP	.+4	
3350	013644	060500		ADD	%5,%0	
3351	013646	020700		CMP	%7,%0	;%0 POINTS HERE
3352	013650	001401		BEQ	.+4	
3353	013652	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3354						
3355	013654	000137	013660	JMP	2#. +4	
3356	013660	060500		ADD	%5,%0	
3357	013662	020700		CMP	%7,%0	;%0 POINTS HERE
3358	013664	001401		BEQ	.+4	
3359	013666	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3360	013670	060400		ADD	%4,%0	
3361						
3362						
3363	013672	000177	000000	JMP	2. +4	
3364	013676	013700		.+2		
3365	013700	020700		CMP	%7,%0	;%0 POINTS HERE
3366	013702	001401		BEQ	.+4	
3367	013704	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
3368						
3369	013706	000160	000010	JMP	A(0)	
3370	013712	060500		ADD	%5,%0	
3371	013714	020700		CMP	%7,%0	;%0 POINTS HERE
3372	013716	001401		BEQ	.+4	
3373	013720	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3374						
3375	013722	060200		ADD	%2,%0	
3376	013724	000110		JMP	2%0	
3377	013726	060300		ADD	%3,%0	
3378	013730	020700		CMP	%7,%0	;%0 POINTS HERE
3379	013732	001401		BEQ	.+4	
3380	013734	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3381	013736	000167	000000	JMP	.+4	
3382	013742	060500		ADD	%5,%0	
3383	013744	020700		CMP	%7,%0	;%0 POINTS HERE
3384	013746	001401		BEQ	.+4	
3385	013750	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3386						
3387	013752	000137	013756	JMP	2#. +4	

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3388	013756	060500		ADD	%5,%0	
3389	013760	020700		CMP	%7,%0	;%0 POINTS HERE
3390	013762	001401		BEQ	+.4	
3391	013764	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3392	013766	060400		ADD	%4,%0	
3393						
3394						
3395	013770	000177	000000	JMP	a.+4	
3396	013774	013776		+.2		
3397	013776	020700		CMP	%7,%0	;%0 POINTS HERE
3398	014000	001401		BEQ	+.4	
3399	014002	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
3400						
3401	014004	000160	000010	JMP	A(0)	
3402	014010	060500		ADD	%5,%0	
3403	014012	020700		CMP	%7,%0	;%0 POINTS HERE
3404	014014	001401		BEQ	+.4	
3405	014016	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3406						
3407	014020	060200		ADD	%2,%0	
3408	014022	000110		JMP	a%0	
3409	014024	060300		ADD	%3,%0	
3410	014026	020700		CMP	%7,%0	;%0 POINTS HERE
3411	014030	001401		BEQ	+.4	
3412	014032	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3413	014034	000167	000000	JMP	+.4	
3414	014040	060500		ADD	%5,%0	
3415	014042	020700		CMP	%7,%0	;%0 POINTS HERE
3416	014044	001401		BEQ	+.4	
3417	014046	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3418						
3419	014050	000137	014054	JMP	a#.+4	
3420	014054	060500		ADD	%5,%0	
3421	014056	020700		CMP	%7,%0	;%0 POINTS HERE
3422	014060	001401		BEQ	+.4	
3423	014062	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3424	014064	060400		ADD	%4,%0	
3425						
3426						
3427	014066	000177	000000	JMP	a.+4	
3428	014072	014074		+.2		
3429	014074	020700		CMP	%7,%0	;%0 POINTS HERE
3430	014076	001401		BEQ	+.4	
3431	014100	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
3432						
3433	014102	000160	000010	JMP	A(0)	
3434	014106	060500		ADD	%5,%0	
3435	014110	020700		CMP	%7,%0	;%0 POINTS HERE
3436	014112	001401		BEQ	+.4	
3437	014114	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3438						
3439	014116	060200		ADD	%2,%0	
3440	014120	000110		JMP	a%0	
3441	014122	060300		ADD	%3,%0	
3442	014124	020700		CMP	%7,%0	;%0 POINTS HERE
3443	014126	001401		BEQ	+.4	

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3444	014130	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
3445	014132	000167	000000	JMP	.+4		
3446	014136	060500		ADD	%5,%0		
3447	014140	020700		CMP	%7,%0		;%0 POINTS HERE
3448	014142	001401		BEQ	.+4		
3449	014144	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
3450							
3451	014146	000137	014152	JMP	@#. +4		
3452	014152	060500		ADD	%5,%0		
3453	014154	020700		CMP	%7,%0		;%0 POINTS HERE
3454	014156	001401		BEQ	.+4		
3455	014160	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
3456	014162	060400		ADD	%4,%0		
3457							
3458							
3459	014164	000177	000000	JMP	@. +4		
3460	014170	014172		.+2			
3461	014172	020700		CMP	%7,%0		;%0 POINTS HERE
3462	014174	001401		BEQ	.+4		
3463	014176	000000		HLT			;JMP BEFORE VALUE IN REGISTER ZERO BAD
3464							
3465	014200	000160	000010	JMP	A(0)		
3466	014204	060500		ADD	%5,%0		
3467	014206	020700		CMP	%7,%0		;%0 POINTS HERE
3468	014210	001401		BEQ	.+4		
3469	014212	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
3470							
3471	014214	060200		ADD	%2,%0		
3472	014216	000110		JMP	@%0		
3473	014220	060300		ADD	%3,%0		
3474	014222	020700		CMP	%7,%0		;%0 POINTS HERE
3475	014224	001401		BEQ	.+4		
3476	014226	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
3477	014230	000167	000000	JMP	.+4		
3478	014234	060500		ADD	%5,%0		
3479	014236	020700		CMP	%7,%0		;%0 POINTS HERE
3480	014240	001401		BEQ	.+4		
3481	014242	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
3482							
3483	014244	000137	014250	JMP	@#. +4		
3484	014250	060500		ADD	%5,%0		
3485	014252	020700		CMP	%7,%0		;%0 POINTS HERE
3486	014254	001401		BEQ	.+4		
3487	014256	000000		HLT			;JMP BEFORE VALUE IN REGISTER 0 BAD
3488	014260	060400		ADD	%4,%0		
3489							
3490							
3491	014262	000177	000000	JMP	@. +4		
3492	014266	014270		.+2			
3493	014270	020700		CMP	%7,%0		;%0 POINTS HERE
3494	014272	001401		BEQ	.+4		
3495	014274	000000		HLT			;JMP BEFORE VALUE IN REGISTER ZERO BAD
3496							
3497	014276	000160	000010	JMP	A(0)		
3498	014302	060500		ADD	%5,%0		
3499	014304	020700		CMP	%7,%0		;%0 POINTS HERE

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014306 001401 BEQ .+4
014310 000000 HLT ;JMP BEFORE VALUE IN REGISTER 0 BAD
014312 060200 ADD %2,%0
014314 000110 JMP %0
014316 060300 ADD %3,%0
014320 020700 CMP %7,%0 ;%0 POINTS HERE
014322 001401 BEQ .+4
014324 000000 HLT ;JMP BEFORE VALUE IN REGISTER 0 BAD
014326 000167 000000 JMP .+4
014332 060500 ADD %5,%0
014334 020700 CMP %7,%0 ;%0 POINTS HERE
014336 001401 BEQ .+4
014340 000000 HLT ;JMP BEFORE VALUE IN REGISTER 0 BAD
014342 000137 014346 JMP %8,+4
014346 060500 ADD %5,%0
014350 020700 CMP %7,%0 ;%0 POINTS HERE
014352 001401 BEQ .+4
014354 000000 HLT ;JMP BEFORE VALUE IN REGISTER 0 BAD
014356 060400 ADD %4,%0
014360 000177 000000 JMP %2,+4
014364 014366 .+2
014366 020700 CMP %7,%0 ;%0 POINTS HERE
014370 001401 BEQ .+4
014372 000000 HLT ;JMP BEFORE VALUE IN REGISTER ZERO BAD
014374 000160 000010 JMP A(0)
014400 060500 ADD %5,%0
014402 020700 CMP %7,%0 ;%0 POINTS HERE
014424 001401 BEQ .+4
014406 000000 HLT ;JMP BEFORE VALUE IN REGISTER 0 BAD
014410 060200 ADD %2,%0
014412 000110 JMP %0
014414 060300 ADD %3,%0
014416 020700 CMP %7,%0 ;%0 POINTS HERE
014420 001401 BEQ .+4
014422 000000 HLT ;JMP BEFORE VALUE IN REGISTER 0 BAD
014424 000167 000000 JMP .+4
014430 060500 ADD %5,%0
014432 020700 CMP %7,%0 ;%0 POINTS HERE
014434 001401 BEQ .+4
014436 000000 HLT ;JMP BEFORE VALUE IN REGISTER 0 BAD
014440 000137 014444 JMP %8,+4
014444 060500 ADD %5,%0
014446 020700 CMP %7,%0 ;%0 POINTS HERE
014450 001401 BEQ .+4
014452 000000 HLT ;JMP BEFORE VALUE IN REGISTER 0 BAD
014454 060400 ADD %4,%0
014456 000177 000000 JMP %2,+4

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3556	014462	014464		.+2		
3557	014464	020700		CMP	%7,%0	; %0 POINTS HERE
3558	014466	001401		BEQ	.+4	
3559	014470	000000		HLT		; JMP BEFORE VALUE IN REGISTER ZERO BAD
3560						
3561	014472	000160	000010	JMP	A(0)	
3562	014476	060500		ADD	%5,%0	
3563	014500	020700		CMP	%7,%0	; %0 POINTS HERE
3564	014502	001401		BEQ	.+4	
3565	014504	000000		HLT		; JMP BEFORE VALUE IN REGISTER 0 BAD
3566						
3567	014506	060200		ADD	%2,%0	
3568	014510	000110		JMP	0%0	
3569	014512	060300		ADD	%3,%0	
3570	014514	020700		CMP	%7,%0	; %0 POINTS HERE
3571	014516	001401		BEQ	.+4	
3572	014520	000000		HLT		; JMP BEFORE VALUE IN REGISTER 0 BAD
3573	014522	000167	000000	JMP	.+4	
3574	014526	060500		ADD	%5,%0	
3575	014530	020700		CMP	%7,%0	; %0 POINTS HERE
3576	014532	001401		BEQ	.+4	
3577	014534	000000		HLT		; JMP BEFORE VALUE IN REGISTER 0 BAD
3578						
3579	014536	000137	014542	JMP	0#. +4	
3580	014542	060500		ADD	%5,%0	
3581	014544	020700		CMP	%7,%0	; %0 POINTS HERE
3582	014546	001401		BEQ	.+4	
3583	014550	000000		HLT		; JMP BEFORE VALUE IN REGISTER 0 BAD
3584	014552	060400		ADD	%4,%0	
3585						
3586						
3587	014554	000177	000000	JMP	0. +4	
3588	014560	014562		.+2		
3589	014562	020700		CMP	%7,%0	; %0 POINTS HERE
3590	014564	001401		BEQ	.+4	
3591	014566	000000		HLT		; JMP BEFORE VALUE IN REGISTER ZERO BAD
3592						
3593	014570	000160	000010	JMP	A(0)	
3594	014574	060500		ADD	%5,%0	
3595	014576	020700		CMP	%7,%0	; %0 POINTS HERE
3596	014600	001401		BEQ	.+4	
3597	014602	000000		HLT		; JMP BEFORE VALUE IN REGISTER 0 BAD
3598						
3599	014604	060200		ADD	%2,%0	
3600	014606	000110		JMP	0%0	
3601	014610	060300		ADD	%3,%0	
3602	014612	020700		CMP	%7,%0	; %0 POINTS HERE
3603	014614	001401		BEQ	.+4	
3604	014616	000000		HLT		; JMP BEFORE VALUE IN REGISTER 0 BAD
3605	014620	000167	000000	JMP	.+4	
3606	014624	060500		ADD	%5,%0	
3607	014626	020700		CMP	%7,%0	; %0 POINTS HERE
3608	014630	001401		BEQ	.+4	
3609	014632	000000		HLT		; JMP BEFORE VALUE IN REGISTER 0 BAD
3610						
3611	014634	000137	014640	JMP	0#. +4	

3612	014640	060500		ADD	%5,%0	
3613	014642	020700		CMP	%7,%0	;%0 POINTS HERE
3614	014644	001401		BEQ	+.4	
3615	014646	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3616	014650	060400		ADD	%.4,%0	
3617						
3618						
3619	014652	000177	000000	JMP	2.+.4	
3620	014656	014660		+.2		
3621	014660	020700		CMP	%7,%0	;%0 POINTS HERE
3622	014662	001401		BEQ	+.4	
3623	014664	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
3624						
3625	014666	000160	000010	JMP	A(0)	
3626	014672	060500		ADD	%5,%0	
3627	014674	020700		CMP	%7,%0	;%0 POINTS HERE
3628	014676	001401		BEQ	+.4	
3629	014700	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3630						
3631	014702	060200		ADD	%2,%0	
3632	014704	000110		JMP	2%0	
3633	014706	060300		ADD	%3,%0	
3634	014710	020700		CMP	%7,%0	;%0 POINTS HERE
3635	014712	001401		BEQ	+.4	
3636	014714	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3637	014716	000167	000000	JMP	+.4	
3638	014722	060500		ADD	%5,%0	
3639	014724	020700		CMP	%7,%0	;%0 POINTS HERE
3640	014726	001401		BEQ	+.4	
3641	014730	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3642						
3643	014732	000137	014736	JMP	28.+.4	
3644	014736	060500		ADD	%5,%0	
3645	014740	020700		CMP	%7,%0	;%0 POINTS HERE
3646	014742	001401		BEQ	+.4	
3647	014744	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3648	014746	060400		ADD	%4,%0	
3649						
3650						
3651	014750	000177	000000	JMP	2.+.4	
3652	014754	014756		+.2		
3653	014756	020700		CMP	%7,%0	;%0 POINTS HERE
3654	014760	001401		BEQ	+.4	
3655	014762	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
3656						
3657	014764	000160	000010	JMP	A(0)	
3658	014770	060500		ADD	%5,%0	
3659	014772	020700		CMP	%7,%0	;%0 POINTS HERE
3660	014774	001401		BEQ	+.4	
3661	014776	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3662						
3663	015000	060200		ADD	%2,%0	
3664	015002	000110		JMP	2%0	
3665	015004	060300		ADD	%3,%0	
3666	015006	020700		CMP	%7,%0	;%0 POINTS HERE
3667	015010	001401		BEQ	+.4	

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3668	015012	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3669	015014	000167	000000	JMP	.+4	
3670	015020	060500		ADD	%5,%0	
3671	015022	020700		CMP	%7,%0	;%0 POINTS HERE
3672	015024	001401		BEQ	.+4	
3673	015026	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3674						
3675	015030	000137	015034	JMP	28.+4	
3676	015034	060500		ADD	%5,%0	
3677	015036	020700		CMP	%7,%0	;%0 POINTS HERE
3678	015040	001401		BEQ	.+4	
3679	015042	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3680	015044	060400		ADD	%4,%0	
3681						
3682						
3683	015046	000177	000000	JMP	2.+4	
3684	015052	015054		.+2		
3685	015054	020700		CMP	%7,%0	;%0 POINTS HERE
3686	015056	001401		BEQ	.+4	
3687	015060	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
3688						
3689	015062	000160	000010	JMP	A(0)	
3690	015066	060500		ADD	%5,%0	
3691	015070	020700		CMP	%7,%0	;%0 POINTS HERE
3692	015072	001401		BEQ	.+4	
3693	015074	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3694						
3695	015076	060200		ADD	%2,%0	
3696	015100	000110		JMP	2%0	
3697	015102	060300		ADD	%3,%0	
3698	015104	020700		CMP	%7,%0	;%0 POINTS HERE
3699	015106	001401		BEQ	.+4	
3700	015110	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3701	015112	000167	000000	JMP	.+4	
3702	015116	060500		ADD	%5,%0	
3703	015120	020700		CMP	%7,%0	;%0 POINTS HERE
3704	015122	001401		BEQ	.+4	
3705	015124	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3706						
3707	015126	000137	015132	JMP	28.+4	
3708	015132	060500		ADD	%5,%0	
3709	015134	020700		CMP	%7,%0	;%0 POINTS HERE
3710	015136	001401		BEQ	.+4	
3711	015140	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3712	015142	060400		ADD	%4,%0	
3713						
3714						
3715	015144	000177	000000	JMP	2.+4	
3716	015150	015152		.+2		
3717	015152	020700		CMP	%7,%0	;%0 POINTS HERE
3718	015154	001401		BEQ	.+4	
3719	015156	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
3720						
3721	015160	000160	000010	JMP	A(0)	
3722	015164	060500		ADD	%5,%0	
3723	015166	020700		CMP	%7,%0	;%0 POINTS HERE

3724	015170	001401		BEQ	.+4	
3725	015172	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3726						
3727	015174	060200		ADD	%2,%0	
3728	015176	000110		JMP	@%0	
3729	015200	060300		ADD	%3,%0	
3730	015202	020700		CMP	%7,%0	;%0 POINTS HERE
3731	015204	001401		BEQ	.+4	
3732	015206	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3733	015210	000167	000000	JMP	.+4	
3734	015214	060500		ADD	%5,%0	
3735	015216	020700		CMP	%7,%0	;%0 POINTS HERE
3736	015220	001401		BEQ	.+4	
3737	015222	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3738						
3739	015224	000137	015230	JMP	@. +4	
3740	015230	060500		ADD	%5,%0	
3741	015232	020700		CMP	%7,%0	;%0 POINTS HERE
3742	015234	001401		BEQ	.+4	
3743	015236	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3744	015240	060400		ADD	%4,%0	
3745						
3746						
3747	015242	000177	000000	JMP	@. +4	
3748	015246	015250		.+2		
3749	015250	020700		CMP	%7,%0	;%0 POINTS HERE
3750	015252	001401		BEQ	.+4	
3751	015254	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
3752						
3753	015256	000160	000010	JMP	A(0)	
3754	015262	060500		ADD	%5,%0	
3755	015264	020700		CMP	%7,%0	;%0 POINTS HERE
3756	015266	001401		BEQ	.+4	
3757	015270	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3758						
3759	015272	060200		ADD	%2,%0	
3760	015274	000110		JMP	@%0	
3761	015276	060300		ADD	%3,%0	
3762	015300	020700		CMP	%7,%0	;%0 POINTS HERE
3763	015302	001401		BEQ	.+4	
3764	015304	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3765	015306	000167	000000	JMP	.+4	
3766	015312	060500		ADD	%5,%0	
3767	015314	020700		CMP	%7,%0	;%0 POINTS HERE
3768	015316	001401		BEQ	.+4	
3769	015320	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3770						
3771	015322	000137	015326	JMP	@. +4	
3772	015326	060500		ADD	%5,%0	
3773	015330	020700		CMP	%7,%0	;%0 POINTS HERE
3774	015332	001401		BEQ	.+4	
3775	015334	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3776	015336	060400		ADD	%4,%0	
3777						
3778						
3779	015340	000177	000000	JMP	@. +4	

3780	015344	015346		.+2		
3781	015346	020700		CMP	%7,%0	;%0 POINTS HERE
3782	015350	001401		BEQ	.+4	
3783	015352	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
3784						
3785	015354	000160	000010	JMP	A(0)	
3786	015360	060500		ADD	%5,%0	
3787	015362	020700		CMP	%7,%0	;%0 POINTS HERE
3788	015364	001401		BEQ	.+4	
3789	015366	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3790						
3791	015370	060200		ADD	%2,%0	
3792	015372	000110		JMP	%0	
3793	015374	060300		ADD	%3,%0	
3794	015376	020700		CMP	%7,%0	;%0 POINTS HERE
3795	015400	001401		BEQ	.+4	
3796	015402	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3797	015404	000167	000000	JMP	.+4	
3798	015410	060500		ADD	%5,%0	
3799	015412	020700		CMP	%7,%0	;%0 POINTS HERE
3800	015414	001401		BEQ	.+4	
3801	015416	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3802						
3803	015420	000137	015424	JMP	28.+4	
3804	015424	060500		ADD	%5,%0	
3805	015426	020700		CMP	%7,%0	;%0 POINTS HERE
3806	015430	001401		BEQ	.+4	
3807	015432	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3808	015434	060400		ADD	%4,%0	
3809						
3810						
3811	015436	000177	000000	JMP	2.+4	
3812	015442	015444		.+2		
3813	015444	020700		CMP	%7,%0	;%0 POINTS HERE
3814	015446	001401		BEQ	.+4	
3815	015450	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
3816						
3817	015452	000160	000010	JMP	A(0)	
3818	015456	060500		ADD	%5,%0	
3819	015460	020700		CMP	%7,%0	;%0 POINTS HERE
3820	015462	001401		BEQ	.+4	
3821	015464	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3822						
3823	015466	060200		ADD	%2,%0	
3824	015470	000110		JMP	%0	
3825	015472	060300		ADD	%3,%0	
3826	015474	020700		CMP	%7,%0	;%0 POINTS HERE
3827	015476	001401		BEQ	.+4	
3828	015500	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3829	015502	000167	000000	JMP	.+4	
3830	015506	060500		ADD	%5,%0	
3831	015510	020700		CMP	%7,%0	;%0 POINTS HERE
3832	015512	001401		BEQ	.+4	
3833	015514	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3834						
3835	015516	000137	015522	JMP	28.+4	

H06

3836	015522	060500		ADD	%5,%0	
3837	015524	020700		CMP	%7,%0	;%0 POINTS HERE
3838	015526	001401		BEQ	.+4	
3839	015530	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3840	015532	060400		ADD	%4,%0	
3841						
3842						
3843	015534	000177	000000	JMP	2.+4	
3844	015540	015542		.+2		
3845	015542	020700		CMP	%7,%0	;%0 POINTS HERE
3846	015544	001401		BEQ	.+4	
3847	015546	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
3848						
3849	015550	000160	000010	JMP	A(0)	
3850	015554	060500		ADD	%5,%0	
3851	015556	020700		CMP	%7,%0	;%0 POINTS HERE
3852	015560	001401		BEQ	.+4	
3853	015562	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3854						
3855	015564	060200		ADD	%2,%0	
3856	015566	000110		JMP	2%0	
3857	015570	060300		ADD	%3,%0	
3858	015572	020700		CMP	%7,%0	;%0 POINTS HERE
3859	015574	001401		BEQ	.+4	
3860	015576	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3861	015600	000167	000000	JMP	.+4	
3862	015604	060500		ADD	%5,%0	
3863	015606	020700		CMP	%7,%0	;%0 POINTS HERE
3864	015610	001401		BEQ	.+4	
3865	015612	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3866						
3867	015614	000137	015620	JMP	28.+4	
3868	015620	060500		ADD	%5,%0	
3869	015622	020700		CMP	%7,%0	;%0 POINTS HERE
3870	015624	001401		BEQ	.+4	
3871	015626	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3872	015630	060400		ADD	%4,%0	
3873						
3874						
3875	015632	000177	000000	JMP	2.+4	
3876	015636	015640		.+2		
3877	015640	020700		CMP	%7,%0	;%0 POINTS HERE
3878	015642	001401		BEQ	.+4	
3879	015644	000000		HLT		;JMP BEFORE VALUE IN REGISTER ZERO BAD
3880						
3881	015646	000160	000010	JMP	A(0)	
3882	015652	060500		ADD	%5,%0	
3883	015654	020700		CMP	%7,%0	;%0 POINTS HERE
3884	015656	001401		BEQ	.+4	
3885	015660	000000		HLT		;JMP BEFORE VALUE IN REGISTER 0 BAD
3886						
3887	015662	060200		ADD	%2,%0	

3888									
3889	015664	012701	015674			MOV	#.+10,%1		
3890	015670	000141				JMP	-(1)		; INSTRUCTION UNDER TEST
3891	015672	000401				BR	+.4		
3892	015674	000000				HLT			; AUTO DECREMENT FAILED
3893	015676	020127	015672			CMP	%1, #.-4		
3894	015702	001401				BEQ	+.4		
3895	015704	000000				HLT			; IMPROPER AUTO DECREMENT
3896	015706	005267	000026			INC	LOOP		
3897	015712	100010				BPL	FIN		
3898	015714	005067	000020			CLR	LOOP		
3899	015720	012737	000207	177566		MOV	#207, @#177566		
3900	015726	105737	177564			TSTB	@#177564		
3901	015732	100375				BPL	-.4		
3902	015734	000137	000200		FIN:	JMP	@#BEGIN		
3903	015740	000000				LOOP:	0		
3904		000001				.END			

J06

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DOLA.P11 CROSS REFERENCE TABLE -- USER SYMBOLS

A = 000010

264*	329	361	393	425	457	489	521	553	585	617	649	681
713	745	777	809	841	873	905	937	969	1001	1033	1065	1097
1129	1161	1193	1225	1257	1289	1321	1353	1385	1417	1449	1481	1513
1545	1577	1609	1641	1673	1705	1737	1769	1801	1833	1865	1897	1929
1961	1993	2025	2057	2089	2121	2153	2185	2217	2249	2281	2313	2345
2377	2409	2441	2473	2505	2537	2569	2601	2633	2665	2697	2729	2761
2793	2825	2857	2889	2921	2953	2985	3017	3049	3081	3113	3145	3177
3209	3241	3273	3305	3337	3369	3401	3433	3465	3497	3529	3561	3593
3625	3657	3689	3721	3753	3785	3817	3849	3881				

BEGIN 00020C
FIN 015734
HLT = 000000

3897	3902*											
263*	308	313	319	327	333	340	345	351	359	365	372	377
383	391	397	404	409	415	423	429	436	441	447	455	461
468	473	479	487	493	500	505	511	519	525	532	537	543
551	557	564	569	575	583	589	596	601	607	615	621	628
633	639	647	653	660	665	671	679	685	692	697	703	711
717	724	729	735	743	749	756	761	767	775	781	788	793
799	807	813	820	825	831	839	845	852	857	863	871	877
894	889	895	903	909	916	921	927	935	941	948	953	959
967	973	980	985	991	999	1005	1012	1017	1023	1031	1037	1044
1049	1055	1063	1069	1076	1081	1087	1095	1101	1108	1113	1119	1127
1133	1140	1145	1151	1159	1165	1172	1177	1183	1191	1197	1204	1209
1215	1223	1229	1236	1241	1247	1255	1261	1268	1273	1279	1287	1293
1300	1305	1311	1319	1325	1332	1337	1343	1351	1357	1364	1369	1375
1383	1389	1396	1401	1407	1415	1421	1428	1433	1439	1447	1453	1460
1465	1471	1479	1485	1492	1497	1503	1511	1517	1524	1529	1535	1543
1549	1556	1561	1567	1575	1581	1588	1593	1599	1607	1613	1620	1625
1631	1639	1645	1652	1657	1663	1671	1677	1684	1689	1695	1703	1709
1716	1721	1727	1735	1741	1748	1753	1759	1767	1773	1780	1785	1791
1799	1805	1812	1817	1823	1831	1837	1844	1849	1855	1863	1869	1876
1881	1887	1895	1901	1908	1913	1919	1927	1933	1940	1945	1951	1959
1965	1972	1977	1983	1991	1997	2004	2009	2015	2023	2029	2036	2041
2047	2055	2061	2068	2073	2079	2087	2093	2100	2105	2111	2119	2125
2132	2137	2143	2151	2157	2164	2169	2175	2183	2189	2196	2201	2207
2215	2221	2228	2233	2239	2247	2253	2260	2265	2271	2279	2285	2292
2297	2303	2311	2317	2324	2329	2335	2343	2349	2356	2361	2367	2375
2381	2388	2393	2399	2407	2413	2420	2425	2431	2439	2445	2452	2457
2463	2471	2477	2484	2489	2495	2503	2509	2516	2521	2527	2535	2541
2548	2553	2559	2567	2573	2580	2585	2591	2599	2605	2612	2617	2623
2631	2637	2644	2649	2655	2663	2669	2676	2681	2687	2695	2701	2708
2713	2719	2727	2733	2740	2745	2751	2759	2765	2772	2777	2783	2791
2797	2804	2809	2815	2823	2829	2836	2841	2847	2855	2861	2868	2873
2879	2887	2893	2900	2905	2911	2919	2925	2932	2937	2943	2951	2957
2964	2969	2975	2983	2989	2996	3001	3007	3015	3021	3028	3033	3039
3047	3053	3060	3065	3071	3079	3085	3092	3097	3103	3111	3117	3124
3129	3135	3143	3149	3156	3161	3167	3175	3181	3188	3193	3199	3207
3213	3220	3225	3231	3239	3245	3252	3257	3263	3271	3277	3284	3289
3295	3303	3309	3316	3321	3327	3335	3341	3348	3353	3359	3367	3373
3380	3385	3391	3399	3405	3412	3417	3423	3431	3437	3444	3449	3455
3463	3469	3476	3481	3487	3495	3501	3508	3513	3519	3527	3533	3540
3545	3551	3559	3565	3572	3577	3583	3591	3597	3604	3609	3615	3623
3629	3636	3641	3647	3655	3661	3668	3673	3679	3687	3693	3700	3705
3711	3719	3725	3732	3737	3743	3751	3757	3764	3769	3775	3783	3789
3796	3801	3807	3815	3821	3828	3833	3839	3847	3853	3860	3865	3871
3879	3885	3892	3895									
3896*	3898*	3903*										

LOOP 015740

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DOLA.P11 CROSS REFERENCE TABLE -- MACRO NAMES

COMMEN	1#
ENDCOM	1#
ESCAPE	1#
GETPRI	1#
GETSWR	1#
MULT	1#
NEWTST	1#
POP	1#
PUSH	1#
REPORT	1#
SETPRI	1#
SETUP	1#
SKIP	1#
SLASH	1#
STARS	1#
SWRSU	1#
TYPBIN	1#
TYPDEC	1#
TYPNAM	1#
TYPNUM	1#
TYPOCS	1#
TYPOCT	1#
TYPTXT	1#
SSESCA	1#
SSNEWT	1#
SSSKIP	1#
.EQUAT	1#
.HEADE	1#
.KT11	1#
.SETUP	1#
.SWRHI	1#
.SACT1	1#
.SAPT8	1#
.SAPTH	1#
.SAPTY	1#
.SASTA	1#
.SCATC	1#
.SCMTA	1#
.SDB20	1#
.SDB20	1#
.SDIV	1#
.SEOP	1#
.SERRO	1#
.SERRT	1#
.SMULT	1#
.SPOWE	1#
.SRAND	1#
.SRDDE	1#
.SRLOC	1#
.SREAD	1#
.SR2AZ	1#
.SSAVE	1#
.SSB20	1#
.SSB20	1#
.SSCOP	1#
.SSIZE	1#

.MAIN. MACY11 27(732) 01-OCT-76 10:52 PAGE 81
DOLA.P11 CROSS REFERENCE TABLE -- MACRO NAMES

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.\$STRAP	1*
.\$STYPB	1*
.\$STYPD	1*
.\$STYPE	1*
.\$STYPO	1*
.\$HQCA	1*
.1170	1*

400

400	401	406	409	416	426	431	433	438	444	448	452	463
465	476	480	499	497	502	508	512	522	527	529	534	540
485	559	561	576	576	586	591	593	598	604	608	618	623
495	636	640	659	657	662	668	672	682	687	689	694	700
505	719	721	736	736	746	751	753	758	754	768	778	783
515	796	800	815	817	822	828	832	842	847	849	854	860
525	879	881	892	896	906	911	913	918	924	928	938	943
535	956	960	975	977	982	988	992	1002	1007	1009	1014	1020
545	1039	1041	1052	1056	1066	1071	1073	1078	1084	1088	1099	1103
555	1116	1120	1135	1137	1142	1148	1152	1162	1167	1169	1174	1180
565	1199	1201	1212	1216	1226	1231	1233	1238	1244	1248	1258	1263
575	1276	1280	1295	1297	1302	1308	1312	1322	1327	1329	1334	1340
585	1359	1361	1372	1376	1386	1391	1393	1398	1404	1408	1418	1423
595	1436	1440	1455	1457	1462	1468	1472	1482	1487	1489	1494	1500
605	1514	1521	1532	1536	1546	1551	1553	1558	1564	1568	1579	1583
615	1596	1600	1615	1617	1622	1628	1632	1642	1647	1649	1654	1660
625	1674	1681	1692	1696	1706	1711	1713	1718	1724	1728	1738	1743
635	1756	1760	1775	1777	1782	1788	1792	1802	1807	1809	1814	1820
645	1834	1841	1852	1856	1866	1871	1873	1878	1884	1888	1898	1903
655	1916	1920	1935	1937	1942	1948	1952	1962	1967	1969	1974	1980
665	1999	2001	2012	2016	2026	2031	2033	2038	2044	2048	2058	2063
675	2076	2080	2095	2097	2102	2108	2112	2122	2127	2129	2134	2140
685	2159	2161	2172	2176	2186	2191	2193	2198	2204	2208	2218	2223
695	2236	2240	2255	2257	2262	2268	2272	2282	2287	2289	2294	2300
705	2319	2321	2332	2336	2346	2351	2353	2358	2364	2368	2378	2383
715	2396	2400	2415	2417	2422	2428	2432	2442	2447	2449	2454	2460
725	2479	2481	2492	2496	2506	2511	2513	2518	2524	2528	2538	2543
735	2556	2560	2575	2577	2582	2588	2592	2602	2607	2609	2614	2620
745	2639	2641	2652	2656	2666	2671	2673	2678	2684	2688	2698	2703
755	2716	2720	2735	2737	2742	2748	2752	2762	2767	2769	2774	2780
765	2799	2801	2812	2816	2826	2831	2833	2838	2844	2848	2858	2863
775	2876	2880	2895	2897	2902	2908	2912	2922	2927	2929	2934	2940
785	2959	2961	2972	2976	2986	2991	2993	2998	3004	3008	3018	3023
795	3036	3040	3055	3057	3062	3068	3072	3082	3097	3099	3094	3100
805	3119	3121	3132	3136	3146	3151	3153	3158	3164	3168	3178	3183
815	3196	3200	3215	3217	3222	3228	3232	3242	3247	3249	3254	3260
825	3279	3281	3292	3296	3306	3311	3313	3318	3324	3328	3338	3343
835	3356	3360	3375	3377	3382	3388	3392	3402	3407	3409	3414	3420
845	3439	3441	3452	3456	3466	3471	3473	3478	3484	3488	3498	3503
855	3516	3520	3535	3537	3542	3548	3552	3562	3567	3569	3574	3580
865	3599	3601	3612	3616	3626	3631	3633	3638	3644	3648	3658	3663
875	3676	3680	3695	3697	3702	3708	3712	3722	3727	3729	3734	3740
885	3759	3761	3772	3776	3786	3791	3793	3798	3804	3808	3818	3823
895	3836	3840	3855	3857	3862	3868	3872	3882	3887	3888	3898	3903
905	3918	3926	3939	3944	3950	3958	3964	3971	3976	3982	3990	3996
915	408	422	435	440	446	454	460	467	472	478	486	492
925	504	518	531	536	542	550	556	563	568	574	582	588
935	600	614	627	632	638	646	652	659	664	670	678	684
945	696	710	723	728	734	742	748	755	760	766	774	780
955	792	806	819	824	830	838	844	851	856	862	870	876
965	888	894	908	920	926	934	940	947	952	958	966	972
975	990	998	1004	1016	1022	1030	1036	1043	1048	1054	1062	1068
985	1086	1094	1107	1112	1118	1126	1132	1139	1144	1150	1158	1164
995	1176	1182	1203	1208	1214	1222	1228	1235	1240	1246	1254	1260
1005	1278	1286	1299	1304	1310	1318	1324	1331	1336	1342	1350	1356

800

1363	1368	1374	1382	1388	1395	1400	1406	1414	1420	1427	1432	1438	1446	1452
1459	1464	1470	1478	1484	1491	1496	1502	1510	1516	1523	1528	1534	1542	1548
1555	1560	1566	1574	1580	1587	1592	1598	1606	1612	1619	1624	1630	1638	1644
1651	1656	1662	1670	1676	1683	1688	1694	1702	1708	1715	1720	1726	1734	1740
1747	1752	1758	1766	1772	1779	1784	1790	1798	1804	1811	1816	1822	1830	1836
1843	1848	1854	1862	1868	1875	1880	1886	1894	1900	1907	1912	1918	1926	1932
1939	1944	1950	1958	1964	1971	1976	1982	1990	1996	2003	2008	2014	2022	2028
2035	2040	2046	2054	2060	2067	2072	2078	2086	2092	2099	2104	2110	2118	2124
2131	2136	2142	2150	2156	2163	2168	2174	2182	2188	2195	2200	2206	2214	2220
2227	2232	2238	2246	2252	2259	2264	2270	2278	2284	2291	2296	2302	2310	2316
2323	2328	2334	2342	2348	2355	2360	2366	2374	2380	2387	2392	2398	2406	2412
2419	2424	2430	2438	2444	2451	2456	2462	2470	2476	2483	2488	2494	2502	2508
2515	2520	2526	2534	2540	2547	2552	2558	2566	2572	2579	2584	2590	2598	2604
2611	2616	2622	2630	2636	2643	2648	2654	2662	2668	2675	2680	2686	2694	2700
2707	2712	2718	2726	2732	2739	2744	2750	2758	2764	2771	2776	2782	2790	2796
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2899	2904	2910	2918	2924	2931	2936	2942	2950	2956	2963	2968	2974	2982	2988
2995	3000	3006	3014	3020	3027	3032	3038	3046	3052	3059	3064	3070	3078	3084
3091	3096	3102	3110	3116	3123	3128	3134	3142	3148	3155	3160	3166	3174	3180
3187	3192	3198	3206	3212	3219	3224	3230	3238	3244	3251	3256	3262	3270	3276
3283	3288	3294	3302	3308	3315	3320	3326	3334	3340	3347	3352	3358	3366	3372
3379	3384	3390	3398	3404	3411	3416	3422	3430	3436	3443	3448	3454	3462	3468
3475	3480	3486	3494	3500	3507	3512	3518	3526	3532	3539	3544	3550	3558	3564
3571	3576	3582	3590	3596	3603	3608	3614	3622	3628	3635	3640	3646	3654	3660
3667	3672	3678	3686	3692	3699	3704	3710	3718	3724	3731	3736	3742	3750	3756
3763	3768	3774	3782	3788	3795	3800	3806	3814	3820	3827	3832	3838	3846	3852
3859	3864	3870	3878	3884	3894									
3897	3901													
3891														
3898														
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402	407	413	421	427	434	439	445	453	459	466	471	477	485	491
498	503	509	517	523	530	535	541	549	555	562	567	573	581	587
594	599	605	613	619	626	631	637	645	651	658	663	669	677	683
690	695	701	709	715	722	727	733	741	747	754	759	765	773	779
786	791	797	805	811	818	823	829	837	843	850	855	861	869	875
882	887	893	901	907	914	919	925	933	939	946	951	957	965	971
978	983	989	997	1003	1010	1015	1021	1029	1035	1042	1047	1053	1061	1067
1074	1079	1085	1093	1099	1106	1111	1117	1125	1131	1138	1143	1149	1157	1163
1170	1175	1181	1189	1195	1202	1207	1213	1221	1227	1234	1239	1245	1253	1259
1266	1271	1277	1285	1291	1298	1303	1309	1317	1323	1330	1335	1341	1349	1355
1362	1367	1373	1381	1387	1394	1399	1405	1413	1419	1426	1431	1437	1445	1451
1458	1463	1469	1477	1483	1490	1495	1501	1509	1515	1522	1527	1533	1541	1547
1554	1559	1565	1573	1579	1586	1591	1597	1605	1611	1618	1623	1629	1637	1643
1650	1655	1661	1669	1675	1682	1687	1693	1701	1707	1714	1719	1725	1733	1739
1746	1751	1757	1765	1771	1778	1783	1789	1797	1803	1810	1815	1821	1829	1835
1842	1847	1853	1861	1867	1874	1879	1885	1893	1899	1906	1911	1917	1925	1931
1938	1943	1949	1957	1963	1970	1975	1981	1989	1995	2002	2007	2013	2021	2027
2034	2039	2045	2053	2059	2066	2071	2077	2085	2091	2098	2103	2109	2117	2123
2130	2135	2141	2149	2155	2162	2167	2173	2181	2187	2194	2199	2205	2213	2219
2226	2231	2237	2245	2251	2258	2263	2269	2277	2283	2290	2295	2301	2309	2315
2322	2327	2333	2341	2347	2354	2359	2365	2373	2379	2386	2391	2397	2405	2411
2418	2423	2429	2437	2443	2450	2455	2461	2469	2475	2482	2487	2493	2501	2507
2514	2519	2525	2533	2539	2546	2551	2557	2565	2571	2578	2583	2589	2597	2603
2610	2615	2621	2629	2635	2642	2647	2653	2661	2667	2674	2679	2685	2693	2699
2706	2711	2717	2725	2731	2738	2743	2749	2757	2763	2770	2775	2781	2789	2795

887
C. 96
C. 98

E07

.MAIN. MACY11 27,732) 01-OCT-76 10:52 PAGE 86
DOLA.P11 CROSS REFERENCE TABLE -- PERMANENT SYMBOLS

.ENC	3904	
.LIST	1	
.MACRO	1	
.NLIST	1	
.REM	1	
.REPT	266	304

ERRORS DETECTED: 0
DEFAULT GLOBALS GENERATED: 0

* DOLA.SEQ/SOL/CRF/PAGNUM/NL:TOC=SYSMAC.CO,DOLA.P11
RUN-TIME: 29 40 3 SECONDS
RUN-TIME RATIO: 230/73=3.1
CORE USED: 32K (63 PAGES)

F07

Spooler runtime 11 Secs, 49 KPS, 209 disk reads, 4 disk writes, 82 pages

00000000111111112222222233333333444444445555555566666666777777778888888899999999000000001111111122222222333312
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