************************************** ************************************ ************************************ DATE: 25-04-2025 12:31:22 USER: COBOL JOB: MATMUL PAGE: 0000 3 3 COBOL FILE NAME/TYPE= /COBOL/MATH/MATMUL.COB MATMUL COBOL MATMUL MATMUL COBOL CREATION DATE/TIME= 25-04-2025 12:31:22 COBOL MATMUL MATMUL COBOL FILE= 001 PAGES= 0002 LINES= 000104 MATMUL COBOL SYSTEM= LINUX(6.12.20-AMD64) MATMUL COBOL MATMUL COBOL SYSUSER= ACID MATMUL COBOL SYSID= ACID MATMUL COBOL FORM= SMALL MATMUL COBOL MATMUL COBOL CHAR= FONTMONO MATMUL COBOL MATMUL COBOL PRT1403 VERSION= 1.5.PRE-RELEASE MATMUL COBOL 19 CCCCCCC 0000000 BBBBBBBB 0000000 LL CCCCCCCC 000000000 BBBBBBBB 000000000 LL 23 CC 00 00 BB BB 00 00 LL CC 00 00 BB BB 00 00 LL 25 00 LL CC 00 BBBBBBBB 00 00 26 00 BBBBBBBB CC 00 27 00 00 LL CC 00 00 BB BB 00 00 LL 28 CC 00 00 BB BB 00 00 LL CC 29 30 40 CCCCCCC 0000000 BBBBBBBB 0000000 LLLLLLLL 31 32 М М AAA TTTTTTT М M UU UU LL 34 MM MM AAAAA MM MM UU UU LL TTTTTTTTMMM MMM AA MMM MMM UU UU LL AA TT MMMM MMMM AA AA MMMM MMMM UU UU LL 37 TT 49 MM MMM AA AA TT MM MMM MM UU UU LL 38 MM AAAAAAAA MM MM UU UU LL MM TT MM MM AAAAAAAA TT MM MM UU UU LL 40 MM AA MM UU MM AA TT MM UU LL MM MM AA AA MM MM UUUUUUUUU LLLLLLL TT MM MM AA AA TT MM UUUUUUU 00000 00000 1 0000000 0000000 11 47 00 00 00 00 111 00 00 00 00 11 00 11 00 00 00 50 00 00 00 00 11 00 00 00 11 00 00 00 00 00 11 0000000 111111 0000000 00000 00000 111111 **********************************

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31 000031 01 START-TIME PIC S9(10) COMP. 000032 01 END-TIME PIC S9(10) COMP. 30 000033 34 000034 01 TEMP PIC S9(10) COMP. 35 000035 01 RESULT1_TXT PIC 9(14). 36 000037 01 RESULT2_TXT PIC 9(14). 37 000037 01 RESULT2_TXT PIC 9(3).9(6). 38 000038 01 TIME1_TXT PIC 9(3).9(6). 40 000040 0000000000000000000000000000				· ,	38 39 40
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42 000042 43 000043				PROCEDURE DIVISION.	54
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46 000046 47 000047 MOVE 0 TO RESULT1. 48 000048 49 000049 PERFORM VARYING I FROM 1 BY 1 UNTIL 100 < I 50 000050 PERFORM VARYING J FROM 1 BY 1 UNTIL 10000000 < J 61 000051 ADD J TO RESULT1 62 000052 END-PERFORM 63 000053 END-PERFORM. 64 000054 65 000055 ACCEPT END-TIME FROM TIME. 66 000056 COMPUTE TIME1 = (END-TIME - START-TIME) / 100. 67 000057 68 000058 *				AGGERT OTART TIME FROM TIME	58 59 60
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000061	
000062	PERFORM VARYING I FROM 1 BY 1 UNTIL M-SIZE < I
000063	PERFORM VARYING J FROM 1 BY 1 UNTIL M-SIZE < J
000064	ADD I TO J GIVING M1-ELEMENTS(I, J)
000004	ADD I TO 3 GIVING M2-ELEMENTS(I, J)
000005	END-PERFORM
000067	END-PERFORM.
000068	LIND-FERT ORIT.
000069	DEDECOM VARVING I EDOM 1 DV 1 HNITH M SIZE / I
	PERFORM VARYING I FROM 1 BY 1 UNTIL M-SIZE < I
000070	PERFORM VARYING J FROM 1 BY 1 UNTIL M-SIZE < J
000071	MOVE 0 TO M3-ELEMENTS(I, J)
000072	PERFORM VARYING K FROM 1 BY 1 UNTIL M-SIZE < K
000073	MULTIPLY M1-ELEMENTS(I, K) BY M2-ELEMENTS(K, J)
000074	GIVING TEMP
000075	ADD TEMP TO M3-ELEMENTS(I, J)
000076	END-PERFORM
000077	END-PERFORM
000078	END-PERFORM.
000079	
000080	MOVE 0 TO RESULT2.
000081	
000082	PERFORM VARYING I FROM 1 BY 1 UNTIL M-SIZE < I
000083	PERFORM VARYING J FROM 1 BY 1 UNTIL M-SIZE < J
000084	ADD M3-ELEMENTS(I, J) TO RESULT2
000085	END-PERFORM
000086	END-PERFORM.
000087	LIND I LIN ONI.
000088	ACCEPT END-TIME FROM TIME.
000089	COMPUTE TIME2 = (END-TIME - START-TIME) / 100.
000009	COMPUTE TIMEZ - (END-TIME - START-TIME) / 100.
000091	*
	×
000092	MOVE DECILITA TO DECILITA TVT
000093	MOVE RESULT1 TO RESULT1_TXT
000094	MOVE RESULT2 TO RESULT2 TXT
000095	MOVE TIME1 TO TIME1_TXT
000096	MOVE TIME2 TO TIME2_TXT
000097	DECREASE DO THE SECURE TO THE
000098	DISPLAY 'COBOL : Result= ' RESULT1_TXT
000099	', Time= ' TIME1_TXT ' sec'
000100	', Result= ' RESULT2_TXT
000101	', Time= ' TIME2_TXT ' sec'.
000102	
000103	STOP RUN.
000104	