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00020 SUBTTL FORMULA EVALUATION CODE
00060 IFN LENGTH=2,<
00080 IFN STRING,<
00100 /
00120 / THESE ROUTINES CHECK FOR A CERTAIN VALTP
00140 / [A] IS NOT PRESERVED
00160 /
00180 FRMNUM: CALL FRMEVL /EVALUATE A FORMULA
00200 CHKNUM: XWD *01000,*0366 /TURN CARRY OFF WITH ORI
00220 CHKSTR: STC /SET CARRY
00240 CHKVAL: LDA VALTP /0 MEANS NUMERIC 1 MEANS STRING
00260 ADC A /RESULT SHOULD BE 0 OR 3
00280 / /BAD RESULTS ARE 2 AND 1
00300 RPE /RETURN IF CORRECT RESULT
00320 TMERR: MVI E,ERRTM /TYPE MISMATCH ERROR
00340 JMP ERROR>>
/
00380 / THE FORMULA EVALUATOR STARTS WITH
00400 / [H,L] POINTING TO THE FIRST CHARACTER OF THE FORMULA,
00420 / AT THE END [H,L] POINTS TO THE TERMINATOR,
00440 / THE RESULT IS LEFT IN THE FAC,
00460 /
00480 / THE FORMULA EVALUATOR USES THE OPERATOR TABLE (OPTAB)
00500 / TO DETERMINE PRECEDENCE AND DISPATCH ADDRESSES FOR
00520 / EACH OPERATOR,
00540 / A TEMPORARY RESULT ON THE STACK HAS THE FOLLOWING FORMAT
00560 /
00580 / THE ADDRESS OF *METAOP* -- THE PLACE TO RETURN ON COMPLETION
00600 / OF OPERATOR APPLICATION
00620 /
00640 / THE FLOATING POINT TEMPORARY RESULT
00660 /
00680 / THE ADDRESS OF THE OPERATOR ROUTINE
00700 /
00720 / THE PRECEDENCE OF THE OPERATOR
00740 /
00760 / TOTAL 10 BYTES
00780 /
00800 /FE STRING,<FRMNUM>
00820 FRMEVL: DCX H /BACK UP CHARACTER POINTER
00840 FRMCHK: MVI D,0 /INITIAL DUMMY PRECEDENCE IS 0
/
00860 LPOPER: PUSH D /SAVE PRECEDENCE
00880 CALL GETSTK /MAKE SURE THERE IS ROOM FOR RECURSIVE CALLS
/
00900 /
00920 CALL EVAL /EVALUATE SOMETHING
/
00940 SHLD TEMP2 /SAVE TEXT POINTER

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00523 005350* 000000 005347*
00524 005354* 001000 000052*
00525 005355* 000000 001605*
00526 005356* 000000 005355*
00527 005357* 001000 000301*
/
00960 METAOP: LHLD TEMP2 /RESTORE TEXT PTR
/
00980 TSTOP: POP B /POP OFF THE PRECEDENCE OF OLDOP
01000 IFN LENGTH=2,<
01020 IFN STRING,<
01040 MOV A,B /LOOK AT PRECEDENCE
01060 MVI 120 /IF ITS SOME ARITHMETIC
01080 / /TYPE THING WE SHOULDN'T
01100 / /SEE STRINGS
01120 / /TYPE MISMATCH ERROR IF NOT NUMERIC
01140 NOTSTV: MOV A,M /GET NEXT CHARACTER
01160 IFN LENGTH,<
01180 MVI D,0 /ASSUME NO RELATION OPS
/
01200 LOPREL: SUI GREATH /IS THIS ONE RELATION?
/
01220 JC ENDREL /RELATIONS ALL THROUGH
/
01240 NMREL==LESTK+GREATH*1
01260 CPI NMREL /IS IT REALLY RELATIONAL?
/
01280 JNC ENDREL /NO JUST BIG
/
01300 CPI 1 /SET UP BITS BY MAPPING
/
01320 RAL /0 TO 1 1 TO 2 AND 2 TO 4
01340 XRA 0 /BRING IN THE OLD BITS
01360 CMP D /MAKE SURE RESULT IS BIGGER
01380 MOV D,A /SAVE THE MASK
01400 JC SNERR /DON'T ALLOW TWO OF THE SAME
/
01420 SHLD TEMP3 /SAVE CHARACTER POINTER
/
01440 CHRGET /GET THE NEXT CANDIDATE
01460 JMP LOPREL
/
01480 ENDREL: MOV A,D /GET THE MASK
01500 ORA A /WERE THERE ANY?
01520 JNZ FINREL /IF SO, HANDLE AS SPECIAL OP
/
01540 MOV A,M /GET THE CHARACTER AGAIN
01560 SHLD TEMP3 /SAVE UPDATED CHARACTER POINTER
/
01580 SUI PLUSTK /AN OPERATOR?

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4576 005427 000000 000250
4577 005430 001000 000330 01600 RC RETURN IF NOT
4578 01620 THIS CAN RESULT IN OPERATOR
4579 01640 APPLICATION OR ACTUAL RETURN
4580 005431 001000 000376 01660 CPI LSTOPK HIGHER THAN THE LAST OP?
4581 005432 000000 000007
4582 005433 001000 000320 01680 RNC
4583 005434 001000 000137 01700 MOV E,A MUST MULTIPLY BY 3 SINCE
4584 01720 IOPTAB ENTRIES ARE 3 LONG
4585 01740 IFN STRING,<
4586 005435 001000 000072 01760 LDA VALTYP ISEE IF LEFT PART IS STRING
4587 005436 000000 001543
4588 005437 000000 005424
4589 01780 IFE LENGTH=2,<
4590 005440 001000 000376 01800 CPI 3> ISEE IF ITS A STRING
4591 005441 000000 000003
4592 01820 IFN LENGTH=2,<
4593 01840 DCR A>
4594 005442 001000 000263 01860 ORA E ISET CONDITION CODES
4595 01880 IFN LENGTH=2,<
4596 005443 001000 000312 01900 MOV A,E IREFETCH OP-VALUE
4597 005444 000000 010320 01920 JZ CAT> MUST BE CAT
4598 005445 000000 005436
4600 01940 IFN LENGTH=2,<
4601 01960 RLC
4602 01980 ADD E
4603 02000 MOV E,A> IAS ORIGINAL A*2
4604 02020 IFE LENGTH,< IADD IN ORIGINAL A
4605 02040 MVI 0,> ICREATE TWO BYTE VALUE
4606 005446 001000 000041 02060 LXI M,IOPTAB IHIGH ORDER #0
4607 005447 000000 000163 ICREATE INDEX INTO IOPTAB
4608 005448 000000 000444
4609 005451 001000 000031 02080 DAD D IADD IN CALCULATED OFFSET
4610 005452 001000 000170 02100 MOV A,B IAI GETS OLD PRECEDENCE
4611 005453 001000 000126 02120 MOV D,M IREMEMBER NEW PRECEDENCE
4612 005454 001000 000272 02140 CMP D IOLD=NEW
4613 005455 001000 000320 02160 RNC IMUST APPLY OLD OP
4614 02180 IFN LENGTH=2,< IIF HAS GREATER OR = PRECEDENCE
4615 02200 INX H
4616 02220 IFN STRING,<CALL CHKNUM> INON POINTING AT ROUTINE ADDRESS
4617 02240 ICAN'T BE STRING HERE
4618 02260 SINCE THE ONLY STRING OPERATOR
4619 02280 IIS PLUS AND RELATIONALS
4620 02300 IDON'T COME THROUGH HERE
4621 02320 DUPREC: PUSH B ISAVE OLD PRECEDENCE
4622 02340 LXI B,RETAOP IOPERATOR RETURN ADDRESS
4623 02360 PUSH B IFIRST PART OF "TEMP" ENTRY
4624 02380 IFN LENGTH,<
4625 02400 MOV B,E> ISAVE SECOND BYTE OF PRECEDENCE
4626 02420 ISINCE FOR RELATIONAL OPERATORS
4627 02440 IIT GIVES THE VALUE TYPE OF
4628 02460 ITHE LEFT SIDE AND IT TELLS

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4629 02480 IWHICH RELATIONAL=OPERATOR
4630 02500 IIT WAS
4631 02520 MOV C,D
4632 02540 CALL PUSHF
4633 02560 IFN LENGTH,<
4634 02580 MOV E,B> IGET SECOND BYTE OF PRECEDENCE AGAIN
4635 02600 MOV D,C I[D] GETS PRECEDENCE
4636 02620 PUSHM IPUT ROUTINE ADDRESS ON THE STACK
4637 02640 IFN LENGTH,<
4638 02660 LHLD TEMP3>
4639 02680 IFE LENGTH,<
4640 02700 LHLD TEMP2> IIF WE DONT HAVE "LENGTH"
4641 02720 ION OPERATORS CAN ONLY
4642 02740 IBE ONE CHARACTER SO TO "REREAD"
4643 02760 IAN OPERATOR THAT WE LOOKED
4644 02780 IAT BEFORE AND DECIDED NOT TO
4645 02800 IAPPLY WE JUST "OUI H"
4646 02820 IIF LENGTH IS ON WE HAVE TO
4647 02840 IREMEMBER THE TEXT POINTER BEFORE
4648 02860 ITHE OPERATOR AND AFTER SO WE CAN
4649 02880 IREITER RESCAN THE OPERATOR
4650 02900 ILATER IF IT DOESN'T GET APPLIED
4651 02920 IUR GO BEYOND IT WHEN IT DOES
4652 02940 JMP LPOPER> IPUT ON PRECEDENCE AND LOOK AT A
4653 02960 INEW OPERATOR
4654 03000 IFE LENGTH=2,<
4655 03020 PUSH B ISAVE THE OLD PRECEDENCE
4656 005456 001000 000303 03040 LXI B,RETAOP IPUT ON THE ADDRESS OF THE
4657 005457 001000 000001
4658 005460 000000 005354
4659 005461 000000 005447
4660 03060 PUSH B IPLACE TO RETURN TO AFTER OPERATOR APPLICATION
4661 005462 001000 000303 03080 MOV A,D
4662 005463 001000 000172 03100 CPI 127 ISEE IF THE OPERATOR IS EXPONENTIATION
4663 005464 001000 000376 IWHICH HAS PRECEDENCE 127
4664 005465 000000 000177
4665 03120 JZ EXPSTK IIF SO, "FRCNSG" AND MAKE A SPECIAL STACK ENTRY
4666 005466 001000 000312
4667 005467 000000 005553
4668 005470 000000 005466
4669 005471 001000 000376 03140 CPI 81 ISEE IF THE OPERATOR IS "AND" OR "OR"
4670 005472 000000 000121
4671 005473 001000 000332 03160 JC ANDORD IAND IF SO "FRCINT" AND
4672 005474 000000 005571
4673 005475 000000 005467
4674 03180 IMAKE A SPECIAL STACK ENTRY
4675 03200
4676 03220 I THIS CODE PUSHES THE CURRENT VALUE IN THE FAC
4677 03240 IONT THE STACK, EXCEPT IN THE CASE OF STRINGS IN WHICH IT CALLS
4678 03260 I TYPE MISMATCH ERROR, [D] AND [E] ARE PRESERVED,
4679 03280
4680 005476 001000 000072 03300 NUMREL: LDA VALTYP IGET THE VALUE TYPE
4681 005477 000000 001543

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Formula Evaluation

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4682 005500* 000000 005474*
4683 005501* 001000 000376 03502 CPI 3 ;AND SET THE CONDITION CODES BASED ON IT
4684 005502* 000000 000003
4685 005503* 001000 000312 03520 JZ THERR ;BLOW UP ON STRINGS
4686 005504* 000000 000000*
4687 005505* 000000 005477*
4688 005506* 001000 000041 03340 LXI M,FACLO ;GET POINTER TO LO IN FAC
4689 005507* 000000 001037*
4690 005510* 000000 005504*
4691 005511* 001000 000116 03342 MOV C,M
4692 005512* 001000 000043 03344 INX H
4693 005513* 001000 000106 03346 MOV B,M
4694 005514* 001000 000043 03348 INX H
4695 005515* 001000 000305 03360 PUSH B ;PUSH FACLO+0,1 ON THE STACK
4696 005516* 001000 000372 03380 JM VPUSHD ;ALL DONE IF THE DATA WAS AN INTEGER
4697 005517* 000000 005536*
4698 005520* 000000 000507*
4699 005521* 001000 000116 03382 MOV C,M
4700 005522* 001000 000043 03384 INX H
4701 005523* 001000 000106 03386 MOV B,M
4702 005524* 001000 000043 03388 INX H
4703 005525* 001000 000507 03400 PUSH B ;PUSH FAC+1,0 ON THE STACK
4704 005526* 001000 000342 03420 JPO VPUSHD ;ALL DONE IF WE HAD A SNG
4705 005527* 000000 005536*
4706 005530* 000000 005517*
4707 005531* 001000 000041 03440 LXI M,D,FACLO ;WE HAVE A DOUBLE PRECISION NUMBER
4708 005532* 000000 001633*
4709 005533* 000000 005527*
4710 005534* 001000 000367 03460 PUSHM ;PUSH ITS 4 LO BYTES ON THE STACK
4711 005535* 001000 000367
4712 005536* 001000 000113 03520 VPUSHD: MOV C,E
4713 005537* 001000 000107 03560 MOV B,A ;[C]=OPERATOR NUMBER
4714 005540* 001000 000305 03580 PUSH B ;[B]=TYPE OF VALUE ON THE STACK
4715 005541* 001000 000001 03600 LXI B,APPL0P ;SAVE THESE THINGS FOR APPL0P
4716 005542* 000000 005642* ;GENERAL OPERATOR APPLICATION
4717 005543* 000000 005532*
4718
4719 005544* 001000 000305 03620 FINTMP: PUSH B ;ROUTINE == DOES TYPE CONVERSIONS
4720 005545* 000000 000052 03640 LHL D TEMP ;SAVE PLACE TO GO
4721 005546* 000000 001575* 03660 JMP LPOPER ;RESET THE TEXT POINTER
4722 005547* 000000 005546*
4723 005550* 001000 000305
4724 005551* 000000 005541*
4725 005552* 000000 005546*
4726
4727 03700 ;FORMULA
4728 03720 ;
4729 03740 ; FOR EXPONENTIATION WE WANT TO FORCE THE CURRENT VALUE IN THE FAC
4730 03760 ; TO BE SINGLE PRECISION, WHEN APPLICATION TIME COMES WE FORCE
4731 03780 ; THE RIGHT HAND OPERAND TO SINGLE PRECISION AS WELL
4732 03800 ;
4733 03820 EXPSTK: CALL FRCSNG ;COERCE LEFT HAND OPERAND
4734 005553* 001000 000315
4735 005554* 000000 003256*
4736 005555* 000000 005551*

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4735 005556* 001000 000315 03840 CALL PUSHF ;PUT IT ON THE STACK
4736 005557* 000000 000000*
4737 005560* 000000 005554*
4738 005561* 000000 000001 03860 LXI B,FPMR00 ;PLACE TO COERCE RIGHT HAND
4739 005562* 000000 000000*
4740 005563* 000000 005557*
4741
4742 005564* 001000 000026 03880 MVI D,127 ;OPERAND AND DO EXPONENTIATION
4743 005565* 000000 000177* 03900 ;RESTORE THE PRECEDENCE
4744 005566* 001000 000305 03920 JMP FINTMP ;FINISH ENTRY AND EVALUATE MORE FORMULA
4745 005567* 000000 005544*
4746 005576* 000000 005562*
4747
4748 03940 ;
4749 03960 ; FOR "AND" AND "OR" WE WANT TO FORCE THE CURRENT VALUE IN THE
4750 03980 ; FAC TO BE AN INTEGER, AND AT APPLICATION TIME FORCE THE RIGHT
4751 04000 ; HAND OPERAND TO BE AN INTEGER
4752 04020 ;
4753 005571* 001000 000325 04040 ANDORD: PUSH D ;SAVE THE PRECEDENCE (78 OR 80)
4754 005572* 001000 000315 04060 CALL FRCONT
4755 005573* 000000 000630*
4756 005574* 000000 005567*
4757 005575* 001000 000321 04080 POP D ;[D]=PRECEDENCE
4758 005576* 001000 000345 04100 PUSH M ;PUSH THE LEFT HAND OPERAND
4759 005577* 001000 000001 04120 LXI B,DANDOR ;"AND" AND "OR" ODER
4760 005600* 000000 000437*
4761 005601* 000000 005573*
4762 005602* 001000 000305 04140 JMP FINTMP ;PUSH ON THIS ADDRESS,PRECEDENCE
4763 005603* 000000 005544*
4764 005604* 000000 005600*
4765 04160 ;
4766 04180 ;
4767 04200 ; HERE TO BUILD AN ENTRY FOR A RELATIONAL OPERATOR
4768 04220 ; STRINGS ARE TREATED SPECIALLY, NUMERIC COMPARES ARE DIFFERENT
4769 04240 ; FROM MOST OPERATOR ENTRIES ONLY IN THE FACT THAT AT THE
4770 04260 ; BOTTOM INSTEAD OF HAVING RETAP, DOCHP AND THE RELATIONAL
4771 04280 ; BITS ARE STORED, STRINGS HAVE STRCMP, THE POINTER AT THE STRING DESCRIPTOR,
4772 04300 ; DOCHP AND THE RELATIONAL BITS.
4773 04320 ;
4774 005605* 001000 000170 04340 FINREL: MOV A,B ;[A]=OLD PRECEDENCE
4775 005607* 001000 000320 04360 CPI 100 ;RELATIONALS HAVE PRECEDENCE 100
4776 005610* 001000 000320 04380 RNC ;APPLY EARLIER OPERATOR IF IT HAS
4777 ;HIGHER PRECEDENCE
4778 005611* 001000 000305 04400 PUSH B ;SAVE THE OLD PRECEDENCE
4779 005612* 001000 000320 04420 PUSH D ;SAVE [D]RELATIONAL BITS
4780 005613* 001000 000021 04440 LXI D,$CODE+25604 ;[D]=PRECEDENCE+100
4781 005614* 000000 000004*
4782 005615* 000000 005603*
4783
4784 04480 ;[E]=DISPATCH OFFSET FOR
4785 04500 ;COMPARES IN APPL0P#4
4786 005616* 001000 000041 04520 ;IN CASE THIS IS A NUMERIC COMPARE
4787 005617* 000000 000375* 04540 LXI M,DOCHP ;ROUTINE TO TAKE COMPARE ROUTINE RESULT

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Formula Evaluation

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4788 005620* 000000 005614* 04560 JAND RELATIONAL BITS AND RETURN THE ANSWER
4789 005621* 001000 000345 04580 JODES A JMP TO RETAOP WHEN DONE
4790 005622* 001000 000315 04600 JSEE IF WE HAVE A NUMERIC COMPARE
4791 005623* 000000 005630*
4792 005624* 000000 005617*
4793 005625* 001000 000302 04620 JNZ NUMREL JYES, BUILD AN APPLOP ENTRY
4794 005626* 000000 005476*
4795 005627* 000000 005623*
4796 005628* 001000 000052 04640 JMLD FACLO JGET THE POINTER AT THE STRING DESCRIPTOR
4797 005629* 000000 001637*
4798 005630* 000000 005620*
4799 005631* 001000 000345 04660 JSAVE IT FOR STCRMP
4800 005632* 000000 005633* 04680 JSTRING COMPARE ROUTINE
4801 005633* 000000 005620*
4802 005634* 000000 005631*
4803 005635* 001000 000303 04700 JNP FINTMP JPUSH THE ADDRESS, REGET THE TEXT POINTER
4804 005636* 000000 005640*
4805 005637* 000000 005635*
4806 005638* 000000 005635*
4807 04720 JSAVE THE PRECEDENCE AND SCAN
4808 04722 JMORE OF THE FORMULA
4809 04740
4810 04760 J APPLOP IS RETURNED TO WHEN IT IS TIME TO APPLY AN ARITHMETIC
4811 04762 J OR NUMERIC COMPARISON OPERATION.
4812 04764 J THE STACK HAS A DOUBLE BYTE ENTRY WITH THE OPERATOR
4813 04766 J NUMBER AND THE VALTYP OF THE VALUE ON THE STACK.
4814 04768 J APPLOP DECIDES WHAT VALUE LEVEL THE OPERATION
4815 04770 J WILL OCCUR AT, AND CONVERTS THE ARGUMENTS, APPLOP
4816 04772 J USES DIFFERENT CALLING CONVENTIONS FOR EACH VALUE TYPE.
4817 04774 J INTEGERS: LEFT IN (D,E) RIGHT IN (M,L)
4818 04776 J SINGLES: LEFT IN (D,C,D,E) RIGHT IN THE FAC
4819 04780 J DOUBLES: LEFT IN FAC RIGHT IN ARG
4820 04798
4821 005642* 001000 000301 04800 APPLOP: POP B J(D)=STACK OPERAND VALUE TYPE
4822 04820 J(C)=OPERATOR OFFSET
4823 005643* 001000 000171 04840 MOV A,C JSAVE IN MEMORY SINCE THE STACK WILL BE BUSY
4824 005644* 001000 000062 04860 STA OPRTYP JA RAN LOCATION
4825 005645* 000000 001544*
4826 005646* 000000 005646*
4827 005647* 001000 000170 04880 MOV A,B JCHECK FOR DOUBLE
4828 005648* 001000 000376 04900 CPI 8 JPRECISION ENTRY ON THE STACK
4829 005649* 000000 000010
4830 005650* 001000 000312 04920 JZ STKDBL JFORCE FAC TO DOUBLE
4831 005651* 000000 005725*
4832 005652* 000000 005645*
4833 005653* 001000 000072 04940 LOA VALTYP JSEE IF THE FAC IS DOUBLE PRECISION
4834 005654* 000000 001543*
4835 005655* 001000 000053*
4836 005656* 001000 000376 04960 CPI 8 JAND IF SO, CONVERT THE STACK OPERAND
4837 005657* 000000 000010
4838 005658* 001000 000312 04980 JZ FACDBL JTO DOUBLE PRECISION
4839 005659* 000000 005775*
4840 005660* 000000 005656*

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4841 005665* 001000 000127 05000 MOV D,A JSAVE THE VALUE TYPE OF THE FAC
4842 005666* 001000 000170 05020 MOV A,B JSEE IF THE STACK ENTRY IS SINGLE
4843 005667* 001000 000376 05040 CPI 8 JPRECISION AND IF SO, CONVERT
4844 005668* 000000 000004
4845 005669* 001000 000312 05060 JZ STKSNG JTHE FAC TO SINGLE PRECISION
4846 005670* 000000 005621*
4847 005671* 000000 005663*
4848 005672* 001000 000172 05080 MOV A,D JSEE IF THE FAC IS SINGLE PRECISION
4849 005673* 001000 000376 05100 CPI 3 JAND IF SO CONVERT THE STACK TO SINGLE
4850 005674* 000000 000003
4851 005675* 001000 000322 05120 JNC FACSNG JPRECISION
4852 005676* 000000 000034*
4853 005677* 000000 005672*
4854 05140
4855 005702* 001000 000312 05160 JZ TMERR JNOTE THE STACK MUST BE INTEGER AT THIS POINT
4856 005703* 000000 005504* JBLOW UP ON RIGHT HAND STRING OPERAND
4857 005704* 000000 005700*
4858 005705* 001000 000041 05180 LXI M,INTOSP JINTEGER INTEGER CASE
4859 005706* 000000 000716*
4860 005707* 000000 005703*
4861 005708* 001000 000006 05200 MVI B,0 JSPECIAL DISPATCH FOR SPEED
4862 005709* 000000 000000
4863 005710* 001000 000011 05220 DAD B J(M,L) POINTS TO THE ADDRESS TO GO TO
4864 005711* 001000 000011 05240 DAD B
4865 005712* 001000 000116 05260 MOV C,M J(B,C)=ROUTINE ADDRESS
4866 005713* 001000 000043 05280 INX H
4867 005714* 001000 000106 05300 MOV B,M
4868 005715* 001000 000321 05320 POP D J(D,E)=LEFT HAND OPERAND
4869 005716* 001000 000052 05340 J(M,L)=RIGHT HAND OPERAND
4870 005717* 000000 001637*
4871 005718* 000000 005700*
4872 005719* 001000 000303 05360 PUSH B JDISPATCH
4873 005720* 001000 000311 05380 RET
4874 05400
4875 05420 J THE STACK OPERAND IS DOUBLE PRECISION, SO
4876 05440 J THE FAC MUST BE FORCED TO DOUBLE PRECISION, MOVED INTO ARG
4877 05460 J AND THE STACK VALUE POPEO INTO THE FAC
4878 05480
4879 005725* 001000 000315 05500 STKDBL: CALL FRCDBL JMAKE THE FAC DOUBLE PRECISION
4880 005726* 000000 000064*
4881 005727* 000000 005721*
4882 005728* 001000 000315 05520 CALL YMOVAF JMOVE THE FAC INTO ARG
4883 005729* 000000 000000*
4884 005730* 000000 005720*
4885 005731* 001000 000241 05540 POP H JPOP OFF THE STACK OPERAND INTO THE FAC
4886 005732* 001000 000042 05560 SHLD D FACLO+2
4887 005733* 000000 001635*
4888 005734* 000000 005731*
4889 005735* 001000 000341 05580 POP M
4890 005736* 001000 000042 05600 SHLD D FACLO JSTORE LOW BYTES AWAY
4891 005737* 000000 001635*
4892 005738* 000000 005735*
4893 005739* 001000 000301 05620 SNGDBL: POPR JPOP OFF A FOUR BYTE VALUE

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Formula Evaluation