

```

DEFINE !doit(nbval=!TOKENS(1))
  615 M> DEFINE
  616 M> !doit(nbval=!TOKENS(1))
INPUT PROGRAM.
  617 M> INPUT PROGRAM.

>Warning # 6804 in column 3. Text: !DOIT
>The macro name specified on the DEFINE command duplicates the name of a
>previously defined macro. This instance will take precedence.

LOOP cnt=1 TO !nbval.
  618 M> LOOP cnt=1 TO !nbval.
COMPUTE myval=LN(cnt).
  619 M> COMPUTE myval=LN(cnt).
END CASE.
  620 M> END CASE.
END LOOP.
  621 M> END LOOP.
END FILE.
  622 M> END FILE.
END INPUT PROGRAM.
  623 M> END INPUT PROGRAM.

  624 M>
* Next line assumes you need 5 digits.
  625 M> * Next line assumes you need 5 digits.
FORMAT myval(F8.5).
  626 M> FORMAT myval(F8.5).
* Define the macro variable.
  627 M> * Define the macro variable.
DO IF cnt=1.
  628 M> DO IF cnt=1.
WRITE OUTFILE='c:\temp\macro var.sps' /"DEFINE !values()"/myval.
  629 M> WRITE OUTFILE='c:\temp\macro var.sps' /"DEFINE !values()"/myval.
ELSE IF cnt<!nbval.
  630 M> ELSE IF cnt<!nbval.
WRITE OUTFILE='c:\temp\macro var.sps' /myval.
  631 M> WRITE OUTFILE='c:\temp\macro var.sps' /myval.
ELSE.
  632 M> ELSE.
WRITE OUTFILE='c:\temp\macro var.sps' /myval /"!ENDDDEFINE.".
  633 M> WRITE OUTFILE='c:\temp\macro var.sps' /myval /"!ENDDDEFINE.".
END IF.
  634 M> END IF.
EXECUTE.
  635 M> EXECUTE.
* Run the syntax to define the variable.
  636 M> * Run the syntax to define the variable.
INCLUDE FILE='c:\temp\macro var.sps'.
  637 M> INCLUDE FILE='c:\temp\macro var.sps'.
EXECUTE.
  638 M> EXECUTE.
!ENDDDEFINE.
  639 M> !ENDDDEFINE.
*////////////////////.
  640 M> *////////////////////.

  641 M>
!doit nbval=3.
  642 M>
  643 M> .
  644 M> INPUT PROGRAM.
  645 M> LOOP CNT=1 TO 3.
  646 M> COMPUTE MYVAL=LN(CNT).
  647 M> END CASE.
  648 M> END LOOP.
  649 M> END FILE.
  650 M> END INPUT PROGRAM.
  651 M> FORMAT MYVAL(F8.5).
  652 M> DO IF CNT=1.
  653 M> WRITE OUTFILE='c:\temp\macro var.sps' /'DEFINE !values()'/MYVAL.

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```

654 M> ELSE IF CNT< 3.
655 M> WRITE OUTFILE='c:\temp\macro var.sps' /MYVAL.
656 M> ELSE.
657 M> WRITE OUTFILE='c:\temp\macro var.sps' /MYVAL /'!ENDDDEFINE.'.
658 M> END IF.
659 M> EXECUTE.
660 M> INCLUDE FILE='c:\temp\macro var.sps'.
660 DEFINE !values()
660 M> DEFINE
661 M> !values()
662 .00000
662 M> .00000
663 .69315
663 M> .69315
664 1.09861
664 M> 1.09861

```

>Warning # 6804 on line 661 in column 3. Text: !VALUES
>The macro name specified on the DEFINE command duplicates the name of a
>previously defined macro. This instance will take precedence.

```

665 M> !ENDDDEFINE
666 !ENDDDEFINE.
666 M>
667
667 M>
668 M> * End of INCLUDE nesting level 01
669 * End of INCLUDE nesting level 01.
669 M>
670 M> EXECUTE
671 M> .

```

672 M>
*In the following macro, the macro variable !myvar takes on the values ln(1), ln
(2) and ln(3).

```

673 M> *In the following macro, the macro variable !myvar takes on the values
ln(1), ln(2) and ln(3).

```

```

674 M>
DEFINE !test()
675 M> DEFINE
676 M> !test()
!LET !cnt=!NULL
677 M> !LET !cnt=!NULL
!LET !val=!EVAL(!values)
678 M> !LET !val=!EVAL(!values)
!DO !myvar !IN (!val)
679 M> !DO !myvar !IN (!val)
!LET !cnt=!CONCAT(!cnt,!BLANK(1))
680 M> !LET !cnt=!CONCAT(!cnt,!BLANK(1))
COMPUTE !CONCAT(var,!LENGTH(!cnt))=!myvar.
681 M> COMPUTE !CONCAT(var,!LENGTH(!cnt))=!myvar.

```

>Warning # 6804 in column 3. Text: !TEST
>The macro name specified on the DEFINE command duplicates the name of a
>previously defined macro. This instance will take precedence.

```

!DOEND
682 M> !DOEND
EXECUTE.
683 M> EXECUTE.
!ENDDDEFINE.
684 M> !ENDDDEFINE.

```

```

685 M>
!test.
686 M>
687 M> .
688 M> COMPUTE VAR1 = .00000.
689 M> COMPUTE VAR2 = .69315.
690 M> COMPUTE VAR3 = 1.09861.
691 M> EXECUTE

```

```

692 M> .
* Next line is to see all five digits.
693 M> * Next line is to see all five digits.
FORMAT var1 TO var2 (F8.5).
694 M> FORMAT var1 TO var2 (F8.5).
LIST.
695 M> LIST.

```

List

Notes

Output Created		03-JUN-2001 20:39:40
Comments		
Input	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	3
Syntax		LIST.
Resources	Elapsed Time	0:00:00.02

CNT	MYVAL	VAR1	VAR2	VAR3
1.00	.00000	.00000	.69315	1.10
2.00	.69315	.00000	.69315	1.10
3.00	1.09861	.00000	.69315	1.10

Number of cases read: 3 Number of cases listed: 3