

*TRANSLATE - Translate to Lower/Upper Case Characters

This system function can only be used on Windows and UNIX.

```
*TRANSLATE(operand [ , { LOWER  
          UPPER } ] )
```

Format/length: same as the operand.

Function

The system function *TRANSLATE converts the characters of an alpha or binary operand to upper case or lower case characters. The content of operand is not modified.

*TRANSLATE may be specified as an operand in any position of a statement wherever an operand of Format A or B is allowed. However, *TRANSLATE must not be used where a target variable is expected. You may not nest *TRANSLATE in a system function.

operand

Operand	Possible Structure			Possible Formats		Referencing Permitted		Dynamic Definition		
<i>operand</i>	C	S	A		A	B			yes	no

LOWER

Translates operand to lower case characters when using the keyword LOWER as a second argument.

```
*TRANSLATE ( . . . , LOWER )
```

UPPER

Translates operand to upper case characters when using the keyword UPPER as a second argument.

```
*TRANSLATE ( . . . , UPPER )
```

Example

```
DEFINE DATA LOCAL
1 #SRC  (A)DYNAMIC INIT <'aBcDeFg !$$%&/()=?'>
1 #DEST (A)DYNAMIC
END-DEFINE

PRINT 'Source string to be translated:.....' #SRC

MOVE *TRANSLATE(#SRC, UPPER) TO #DEST
PRINT 'Source string translated into upper case:' #DEST

MOVE *TRANSLATE(#SRC, LOWER) TO #DEST
PRINT 'Source string translated into lower case:' #DEST
END
```

Output

```
Source string to be translated:..... aBcDeFg !$$%&/()=?
Source string translated into upper case: ABCDEFG !$$%&/()=?
Source string translated into lower case: abcdefg !$$%&/()=?
```