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VC10DivRound

V = Variables

C = Calculation functions

The VC10DivRound function divides a number by a factor 10 or a multiple of 10 and applies an approximation by the method of rounding. The value is then first divided by the 10^{cdec} value and then the following rule is applied:

- If the figure immediately to the right of the decimal point is 1, 2, 3 or 4 it leaves unchanged the integer value
- If is 5, 6, 7, 8 or 9 it increases by one the integer value

the function then returns the integer value of the number.

IMPLEMENTATION

VC10DivRound (valIn, cdec, valOut)

Parameters:

IN/OUT	VARIABLE TYPE	EXAMPLE NAME	DIM	
IN	GLOBAL / SYSTEM	valIn	L	Value to be processed
IN	GLOBAL / SYSTEM	cdec	B	Number of decimal digits (0÷3)
OUT	GLOBAL / SYSTEM	valOut	L	Return value (rounded)

Example

In the example you want to round the value passed to 565, with two decimal places. The resulting value will be 6.

```

MAIN:
valIn = 565
cdec = 2
VC10DivRound (valIn, cdec, valOut)
glVarArrot = valOut
WAIT 1
JUMP MAIN
END

```

Note

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