IVMath

ivm_fooTemplate

ivm_fooTemplate - just a template for this document

Description

blah blah blah...

Parameters

blah blah blah...
blah blah blah...

Return Values

blah blah blah...

Examples

blah blah blah...

ivm_moreOne

ivm_moreOne - return next natural number

Description

int ivm_moreOne (integer $var)

Parameters

var

The input param

Return Values

Returns a natural number

Examples

No example now.

ivm_lessOne

ivm_lessOne - return last natural number

Description

int ivm_lessOne (integer $var)

Parameters

var

The input param

Return Values
Returns a natural number

Examples
No example now.

ivm_widthUnder256
ivm_widthUnder256 - return a width value smaller than 256.

Description
$$subwidth = ivm\_widthUnder256(x) = \frac{256}{2^x}, (x \geqslant 0)$$
int ivm_widthUnder256 (integer $var)

Parameters
var
The input param

Return Values
Returns a new width number that smaller than 256 or equal 256

Examples
No example now.

ivm_xyLeft
Description
not available current

ivm_xyUp
Description
not available current

ivm_xyRight
Description
not available current

ivm_xyDown

Description
not available current

ivm_xyzNextLevelLeftTop

Description
not available current

ivm_xyzNextLevelRightTop

Description
not available current

ivm_xyzNextLevelLeftBottom

Description
not available current

ivm_xyzNextLevelRightBottom

Description
not available current

ivm_sumArithmeticSequence

Description
```
ivm_sumArithmeticSequence(int $start, int $end, [int $step = 1] )
```

Parameters
start
First number of the sequence.

end
The last number of the sequence.

step
Number of step, default is 1.

Return Values

Result is $S = \sum_{f(i)=start}^{end} f(i)$

Examples

$$\sum_{f(i)=1}^{4} 3i = 3 + 6 + 9 + 12 = 30$$

```
$result = ivm_sumArithmeticSequence(3, 12, 3);
print $result; // Result is 30.
```