

IVMath

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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

$$subwidth = ivm_widthUnder256(x) = \frac{256}{2^x}, (x \geq 0)$$

```
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.
```