#### BIN2DEC

[Syntax](Syntax.docx):

BIN2DEC ( number )

Description: Makes the decimal equivalent of number.

Arguments:

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| number | number | A 10-digit binary number that is to be converted to a decimal string. If number has less than 10 digits, leading zero digits are implied until it has exactly 10 digits. The 10 digits use twos-complement representation with the left-most bit (10th bit from the right) representing the sign bit. |

Return Type and Value: number – The decimal equivalent of number.

However, if

* number contains one or more non-binary digits, #NUM! is returned.
* number contains more than 10 binary digits; that is, number is outside the range 1000000000 (-512 decimal) to 0111111111 (511 decimal), inclusive, #NUM! is returned.

[Example:  
  
BIN2DEC(111) results in 7  
BIN2DEC(11111111) results in 255  
BIN2DEC(1111111110) results in -2  
BIN2DEC(1000000000) results in -512  
  
end example]