

SEP #75 : Introduction of dec2base function

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Abstract

dec2base converts decimal to base N number in string.

Rationale

str = dec2base(d, base) converts the nonnegative integer d to the specified base.

d must be a nonnegative integer smaller than 2^{52} , and base must be an integer between 2 and 36.

The returned argument str is a string.

str = dec2base(d, base, n) produces a representation with at least n digits.

dec2base will be written as a builtin and associated functions dec2bin, dec2oct, dec2hex will be updated to use this new function

Example Usage

```
for b = 2:36
    disp( dec2base(666, b) )
end
B
```

Bibliography

<http://www.mathworks.fr/help/techdoc/ref/dec2base.html>

Changelog

1.0 – Initial revision

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