

Infinity

`_:` `_` `_` `_`

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<code>_:</code> is a constant function that yields an infinite result, that is, <code>_:</code> <code>y</code> is <code>_</code>	<code>_:</code> is a constant function that yields an infinite result, that is, <code>x _:</code> <code>y</code> is <code>_</code>
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For example:

```

y=: 1 2 3 4
_ : y
_

```

```

_ : "0 y      Rank zero applies to each element
_ _ _ _

```

Other constant functions include `_9:` and `_8:` etc. to `9:`. More generally, the expression `x"r` defines a constant function of rank `r` that yields the constant value `x`. For example:

```

3.14"0 y
3.14 3.14 3.14 3.14

3.14"1 y
3.14

```

The specific constant functions mentioned can therefore be written alternatively as `_"_` and `_9"_"` and `0"_"` and `9"_"`, etc.