

## tf.zeta

```
zeta(  
    x,  
    q,  
    name=None  
)
```

Defined in `tensorflow/python/ops/gen_math_ops.py`.

See the guide: [Math > Basic Math Functions](#)

Compute the Hurwitz zeta function  $\zeta(x, q)$ .

The Hurwitz zeta function is defined as:

$$\zeta(x, q) = \sum_{n=0}^{\infty} (q + n)^{-x}$$

## Args:

- `x`: A `Tensor`. Must be one of the following types: `float32`, `float64`.
- `q`: A `Tensor`. Must have the same type as `x`.
- `name`: A name for the operation (optional).

## Returns:

A `Tensor`. Has the same type as `x`.

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