

## tf.contrib.sparsemax.sparsemax

```
sparsemax(  
    logits,  
    name=None  
)
```

Defined in [tensorflow/contrib/sparsemax/python/ops/sparsemax.py](#).

Computes sparsemax activations [1](#).

For each batch **i** and class **j** we have  $\text{sparsemax}[i, j] = \max(\text{logits}[i, j] - \tau(\text{logits}[i, :]), 0)$

## Args:

- logits**: A **Tensor**. Must be one of the following types: **half**, **float32**, **float64**.
- name**: A name for the operation (optional).

## Returns:

A **Tensor**. Has the same type as **logits**.

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