

tf.sparse_maximum

```
sparse_maximum(  
    sp_a,  
    sp_b,  
    name=None  
)
```

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

See the guide: [Sparse Tensors > Math Operations](#)

Returns the element-wise max of two SparseTensors.

Assumes the two SparseTensors have the same shape, i.e., no broadcasting. Example:

```
sp_zero = sparse_tensor.SparseTensor([[0]], [0], [7])  
sp_one = sparse_tensor.SparseTensor([[1]], [1], [7])  
res = tf.sparse_maximum(sp_zero, sp_one).eval()  
# "res" should be equal to SparseTensor([[0], [1]], [0, 1], [7]).
```

Args:

- `sp_a`: a **SparseTensor** operand whose dtype is real, and indices lexicographically ordered.
- `sp_b`: the other **SparseTensor** operand with the same requirements (and the same shape).
- `name`: optional name of the operation.

Returns:

- `output`: the output SparseTensor.

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