tf.sparse_reduce_sum_sparse

```
sparse_reduce_sum_sparse(
    sp_input,
    axis=None,
    keep_dims=False,
    reduction_axes=None
)
```

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

See the guide: Sparse Tensors > Reduction

Computes the sum of elements across dimensions of a SparseTensor.

This Op takes a SparseTensor and is the sparse counterpart to `tf.reduce_sum()`. In contrast to SparseReduceSum, this Op returns a SparseTensor.

Reduces `sp_input` along the dimensions given in `reduction_axes`. Unless `keep_dims` is true, the rank of the tensor is reduced by 1 for each entry in `reduction_axes`. If `keep_dims` is true, the reduced dimensions are retained with length 1.

If `reduction_axes` has no entries, all dimensions are reduced, and a tensor with a single element is returned. Additionally, the axes can be negative, which are interpreted according to the indexing rules in Python.

Args:

- `sp_input`: The SparseTensor to reduce. Should have numeric type.
- `axis`: The dimensions to reduce; list or scalar. If `None` (the default), reduces all dimensions.
- `keep_dims`: If true, retain reduced dimensions with length 1.
- `reduction_axes`: Deprecated name of axis

Returns:

The reduced SparseTensor.

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