

tf.contrib.framework.reduce_sum_n

```
reduce_sum_n(  
    tensors,  
    name=None  
)
```

Defined in [tensorflow/contrib/framework/python/framework/tensor_util.py](#).

See the guide: [Framework \(contrib\)](#)

Reduce tensors to a scalar sum.

This reduces each tensor in `tensors` to a scalar via `tf.reduce_sum`, then adds them via `tf.add_n`.

Args:

- `tensors`: List of tensors, all of the same numeric type.
- `name`: Tensor name, and scope for all other ops.

Returns:

Total loss tensor, or None if no losses have been configured.

Raises:

- `ValueError`: if `losses` is missing or empty.

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