

tf.contrib.kfac.loss_functions.insert_slice_in_zeros

```
insert_slice_in_zeros(  
    slice_to_insert,  
    dim,  
    dim_size,  
    position  
)
```

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

Inserts slice into a larger tensors of zeros.

Forms a new tensor that which is the same shape as slice_, except that the dimension given by 'dim' is expanded to the size given by 'dim_size'. 'position' determines the position (index) of the slice in that dimension.

Assumes slice_to_insert.shape[dim] = 1.

Args:

- `slice_to_insert`: The slice to insert.
- `dim`: The dimension which to expand with zeros.
- `dim_size`: The new size of the 'dim' dimension.
- `position`: The position of 'slice_' in the new tensor.

Returns:

The new tensor.

Raises:

- `ValueError`: If the slice's shape at the given dim is not 1.

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