

tf.assert_rank_in

```
assert_rank_in(  
    x,  
    ranks,  
    data=None,  
    summarize=None,  
    message=None,  
    name=None  
)
```

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

Assert `x` has rank in `ranks`.

Example of adding a dependency to an operation:

```
with tf.control_dependencies([tf.assert_rank_in(x, (2, 4))]):  
    output = tf.reduce_sum(x)
```

Args:

- `x`: Numeric **Tensor**.
- `ranks`: Iterable of scalar **Tensor** objects.
- `data`: The tensors to print out if the condition is False. Defaults to error message and first few entries of `x`.
- `summarize`: Print this many entries of each tensor.
- `message`: A string to prefix to the default message.
- `name`: A name for this operation (optional). Defaults to "assert_rank_in".

Returns:

Op raising **InvalidArgumentError** unless rank of `x` is in `ranks`. If static checks determine `x` has matching rank, a `no_op` is returned.

Raises:

- **ValueError**: If static checks determine `x` has mismatched rank.

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