TensorFlow

TensorFlow   API r1.4

tf.assert_greater_equal

```
assert_greater_equal(
    x,
    y,
    data=None,
    summarize=None,
    message=None,
    name=None
)
```

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

See the guide: Asserts and boolean checks

Assert the condition `x >= y` holds element-wise.

Example of adding a dependency to an operation:

```
with tf.control_dependencies([tf.assert_greater_equal(x, y)]):
  output = tf.reduce_sum(x)
```

This condition holds if for every pair of (possibly broadcast) elements `x[i]` , `y[i]` , we have `x[i] >= y[i]` . If both `x` and `y` are empty, this is trivially satisfied.

Args:

- `x` : Numeric `Tensor` .
- `y` : Numeric `Tensor` , same dtype as and broadcastable to `x` .
- `data` : The tensors to print out if the condition is False. Defaults to error message and first few entries of `x` , `y` .
- `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_greater_equal"

Returns:

Op that raises `InvalidArgumentError` if `x >= y` is False.

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