tf.nn.quantized_relu_x

```
quantized_relu_x(
    features,
    max_value,
    min_features,
    max_features,
    out_type=tf.quint8,
    name=None
)
```

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

See the guide: Neural Network > Candidate Sampling

Computes Quantized Rectified Linear X: `min(max(features, 0), max_value)`

Args:

- `features` : A **Tensor** . Must be one of the following types: `qint8` , `quint8` , `qint16` , `quint16` , `qint32` .
- `max_value` : A **Tensor** of type `float32` .
- `min_features` : A **Tensor** of type `float32` . The float value that the lowest quantized value represents.
- `max_features` : A **Tensor** of type `float32` . The float value that the highest quantized value represents.
- `out_type` : An optional `tf.DType` from: `tf.qint8, tf.quint8, tf.qint16, tf.quint16, tf.qint32` . Defaults to `tf.quint8` .
- `name` : A name for the operation (optional).

Returns:

A tuple of **Tensor** objects (activations, min_activations, max_activations).

- `activations` : A **Tensor** of type `out_type` . Has the same output shape as "features".
- `min_activations` : A **Tensor** of type `float32` . The float value that the lowest quantized value represents.
- `max_activations` : A **Tensor** of type `float32` . The float value that the highest quantized value represents.

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English