

## tf.keras.backend.categorical\_crossentropy

```
categorical_crossentropy(  
    target,  
    output,  
    from_logits=False  
)
```

Defined in [tensorflow/python/keras/\\_impl/keras/backend.py](#).

Categorical crossentropy between an output tensor and a target tensor.

## Arguments:

- **target**: A tensor of the same shape as **output**.
- **output**: A tensor resulting from a softmax (unless **from\_logits** is True, in which case **output** is expected to be the logits).
- **from\_logits**: Boolean, whether **output** is the result of a softmax, or is a tensor of logits.

## Returns:

Output tensor.

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Last updated November 2, 2017.

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