TensorFlow   API r1.4

tf.keras.backend.ctc_batch_cost

```
ctc_batch_cost(
    y_true,
    y_pred,
    input_length,
    label_length
)
```

Defined in **tensorflow/python/keras/_impl/keras/backend.py** .

Runs CTC loss algorithm on each batch element.

Arguments:

- `y_true` : tensor `(samples, max_string_length)` containing the truth labels.
- `y_pred` : tensor `(samples, time_steps, num_categories)` containing the prediction, or output of the softmax.
- `input_length` : tensor `(samples, 1)` containing the sequence length for each batch item in `y_pred` .
- `label_length` : tensor `(samples, 1)` containing the sequence length for each batch item in `y_true` .

Returns:

Tensor with shape (samples,1) containing the CTC loss of each element.

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