tf.keras.backend.ctc_decode

```
ctc_decode(
    y_pred,
    input_length,
    greedy=True,
    beam_width=100,
    top_paths=1
)
```

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

Decodes the output of a softmax.

Can use either greedy search (also known as best path) or a constrained dictionary search.

Arguments:

- `y_pred`: tensor `(samples, time_steps, num_categories)` containing the prediction, or output of the softmax.
- `input_length`: tensor `(samples, )` containing the sequence length for each batch item in `y_pred`.
- `greedy`: perform much faster best-path search if `true`. This does not use a dictionary.
- `beam_width`: if `greedy` is `false`: a beam search decoder will be used with a beam of this width.
- `top_paths`: if `greedy` is `false`, how many of the most probable paths will be returned.

Returns:

- `Tuple`: List: if `greedy` is `true`, returns a list of one element that contains the decoded sequence. If `false`, returns the `top_paths` most probable decoded sequences. Important: blank labels are returned as `-1`. Tensor `(top_paths, )` that contains the log probability of each decoded sequence.

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