

## tf.contrib.crf.crf\_decode

```
crf_decode(  
    potentials,  
    transition_params,  
    sequence_length  
)
```

Defined in [tensorflow/contrib/crf/python/ops/crf.py](#).

Decode the highest scoring sequence of tags in TensorFlow.

This is a function for tensor.

## Args:

- `potentials`: A [batch\_size, max\_seq\_len, num\_tags] tensor, matrix of unary potentials.
- `transition_params`: A [num\_tags, num\_tags] tensor, matrix of binary potentials.
- `sequence_length`: A [batch\_size] tensor, containing sequence lengths.

## Returns:

- `decode_tags`: A [batch\_size, max\_seq\_len] tensor, with dtype tf.int32. Contains the highest scoring tag indices.
- `best_score`: A [batch\_size] tensor, containing the score of decode\_tags.

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