

## tf.contrib.crf.viterbi\_decode

```
viterbi_decode(  
    score,  
    transition_params  
)
```

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

See the guide: [CRF \(contrib\)](#)

Decode the highest scoring sequence of tags outside of TensorFlow.

This should only be used at test time.

## Args:

- `score`: A [seq\_len, num\_tags] matrix of unary potentials.
- `transition_params`: A [num\_tags, num\_tags] matrix of binary potentials.

## Returns:

- `viterbi`: A [seq\_len] list of integers containing the highest scoring tag indices.
- `viterbi_score`: A float containing the score for the Viterbi sequence.

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