

tf.contrib.seq2seq.GreedyEmbeddingHelper

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Class **GreedyEmbeddingHelper**Inherits From: [Helper](#)Defined in [tensorflow/contrib/seq2seq/python/ops/helper.py](#).See the guide: [Seq2seq Library \(contrib\) > Dynamic Decoding](#)

A helper for use during inference.

Uses the argmax of the output (treated as logits) and passes the result through an embedding layer to get the next input.

Properties

batch_size**sample_ids_dtype****sample_ids_shape**

Methods

__init__

```
__init__(  
    embedding,  
    start_tokens,  
    end_token  
)
```

Initializer.

Args:

- embedding**: A callable that takes a vector tensor of **ids** (argmax ids), or the **params** argument for **embedding_lookup**. The returned tensor will be passed to the decoder input.
- start_tokens**: **int32** vector shaped **[batch_size]**, the start tokens.

- `end_token`: `int32` scalar, the token that marks end of decoding.

Raises:

- `ValueError`: if `start_tokens` is not a 1D tensor or `end_token` is not a scalar.

initialize

```
initialize(name=None)
```

next_inputs

```
next_inputs(  
    time,  
    outputs,  
    state,  
    sample_ids,  
    name=None  
)
```

`next_inputs_fn` for `GreedyEmbeddingHelper`.

sample

```
sample(  
    time,  
    outputs,  
    state,  
    name=None  
)
```

`sample` for `GreedyEmbeddingHelper`.

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