tensor.slice

```

Copy fnslice(self:@Tensor, starts:Span, ends:Span, axes:Option>, steps:Option>)->Tensor;

```

Produces a slice of the input tensor along multiple axes.

Args

- self
- (@Tensor
-) - Tensor of data to extract slices from.
- starts
- (Span) - 1-D tensor of starting indices of corresponding axis inaxes
- ends
- (Span) - 1-D tensor of ending indices (exclusive) of corresponding axis inaxes
- axes
- (Option) - 1-D tensor of axes thatstarts
- andends
- apply to.
- steps
- (Option) - 1-D tensor of slice step of corresponding axis inaxes
- .
-

Panics

- Panics if the length of starts is not equal to the length of ends.
- Panics if the length of starts is not equal to the length of axes.
- Panics if the length of starts is not equal to the length of steps.
-

Returns

A newTensor slice of the input tensor.

Example

```

Copy usecore::array::{ArrayTrait,SpanTrait};

useorion::operators::tensor::{TensorTrait,Tensor,U32Tensor};

fnslice_example()->Tensor { lettensor=TensorTrait:::new( shape:array![2,4].span(), data:array![0,1,2,3,4,5,6,7].span(), );

returntensor.slice( starts:array![0,2].span(), ends:array![2,4].span(), axis:Option::None(()), steps:Option::Some(array!
[1,1].span()) ); }

                    [[23] [67]]

```

Previous tensor.onehot Next tensor.concat

Last updated3 months ago