tensor.unsqueeze

```

Copy fnunsqueeze(self:@Tensor, axes:Span)->Tensor;

```

Insert single-dimensional entries to the shape of an input tensor (data). Takes one required input axes - which contains a list of dimension indices and this operator will insert a dimension of value 1 into the corresponding index of the output tensor (expanded).

Args

- self
- (@Tensor
-) - Tensor of data to unsquezee.
- axes
- (Span
-) - List of integers indicating the dimensions to be inserted.
-

Panics

- Panics if the given axes have duplicate elements.
- Panics if one of the given axes is invalid.
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Returns

ReshapedTensor with same data as input.

Example

```

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

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

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

returntensor.unsqueeze( axes:array![0,3].span(), ); }

                    [[[[0] [1] [2] [3]]

[[4] [5] [6] [7]]]]

```

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Last updated3 months ago