tensor.transpose

```

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

```

Returns a new tensor with the axes rearranged according to the given permutation.

Args

- self
- (@Tensor
-) - The input tensor.
- axes
- (Span
-) - The usize elements representing the axes to be transposed.
-

Panics

- Panics if the length of the axes array is not equal to the rank of the input tensor.
-

Returns

ATensor instance with the axes reordered according to the given permutation.

Examples

```

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

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

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

// We can call transpose function as follows. returntensor.transpose(axes:array![1,2,0].span()); }

                    [[[0,4],[1,5]],[[2,6],[3,7]]]

```

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Last updated3 months ago