tensor.unravel_index

```

Copy fnunravel_index(self:@Tensor, index:usize)->Span;

```

Converts a one-dimensional index to a multi-dimensional index.

Args

- self
- (@Tensor
-) - The input tensor.
- indices
- (Span
-) - The index to unravel.
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Panics

- Panics if the index is out of bounds of the Tensor shape.
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Returns

The unraveled indices corresponding to the given index.

Examples

```

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

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

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

// We can call unravel_index function as follows. returntensor.unravel_index(3); }

                [0,1,1] // This means that the value of index 3 of Tensor.data // can be found at indices
                [0,1,1] in multidimensional representation.

```

Previous tensor.ravel_index Next tensor.reshape

Last updated3 months ago