tensor.reduce_l1

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```

Copy fnreduce_l1(self:@Tensor, axis:usize, keepdims:bool)->Tensor;

```

Computes the L1 norm of the input tensor's elements along the provided axes.

Args

- self
- (@Tensor
-) - The input tensor.
- axis
- (usize
-) - The dimension to reduce.
- keepdims
- (bool
-) - If true, retains reduced dimensions with length 1.
-

Panics

- Panics if axis is not in the range of the input tensor's dimensions.
-

Returns

A newTensor instance with the specified axis reduced by summing its elements.

Examples

```

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

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

fnreduce_l1_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 reduce_l1 function as follows. returntensor.reduce_l1(axis:1, keepdims:false); }

                    [[2,4],[10,12]]

```

Previous tensor.reduce_l2 Next tensor.reduce_prod

Last updated3 months ago