tensor.is_nan

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Copy fnis_nan(self:@Tensor)->Tensor;

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Maps NaN to true and other values to false.

Args

- self
- (@Tensor
-) - The input tensor.
-

Returns

A newTensor instance with entries set to true iff the input tensors corresponding element was NaN.

Example

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```

Copy usecore::array::{ArrayTrait,SpanTrait}; useorion::operators::tensor::{BoolTensor,TensorTrait,Tensor,FP8x23Tensor}; useorion::numbers::{FixedTrait,FP8x23};

fnis_nan_example()->Tensor { letmutshape=ArrayTrait:::new(); shape.append(4);

letmutdata=ArrayTrait::new(); data.append(FP8x23{ mag:10066329, sign:true}); data.append(FP8x23{ mag:0, sign:false}); data.append(FixedTrait::NaN()); data.append(FP8x23{ mag:23488102, sign:false}); lettensor=TensorTrait::new(shape.span(), data.span())

returntensor.is_nan(); }

             [false,false,true,false]

```
```

Last updated1 month ago