

# tensor.is\_inf

tensor.is\_inf

...

```
Copy fnis_inf(self:@Tensor, detect_negative:Option, detect_positive:Option)->Tensor;
```

...

Maps infinity to true and other values to false.

## Args

- self
- (@Tensor
- ) - The input tensor.
- detect\_negative
- (Option
- ) - Optional Whether map negative infinity to true. Default to 1 so that negative infinity induces true.
- detect\_positive
- (Option
- ) - Optional Whether map positive infinity to true. Default to 1 so that positive infinity induces true.
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## Returns

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

## Examples

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```
Copy usecore::array::{ArrayTrait,SpanTrait}; useorion::operators::tensor::{BoolTensor,TensorTrait,Tensor,U32Tensor};
```

```
fnis_inf_example()->Tensor { lettensor=TensorTrait::new( shape:array![6].span(), data:array![1,0,  
NumberTrait::INF(),8,NumberTrait::INF(),NumberTrait::INF()].span(), );
```

```
returntensor.is_inf(detect_negative:Option::None, detect_positive:Option::None); }
```

```
[false,false,true,false,true,true]
```

...

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Last updated3 months ago