tensor.sign

```

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

```

Calculates the sign of the given input tensor element-wise. If input > 0, output 1. if input < 0, output -1. if input == 0, output 0.

Args

- self
- (@Tensor
-) - Tensor of data to calculates the sign of the given input tensor element-wise.
-

Returns

A newTensor of the same shape as the input tensor with The sign of the input tensor computed element-wise.

Example

```

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

useorion::operators::tensor::{TensorTrait,Tensor,I32Tensor};

fnsign_example()->Tensor { lettensor=TensorTrait::::new( shape:array![11].span(), data:array![-5,-4,-3,-2,-
1,0,1,2,3,4,5].span(), );

returntensor.sign(); }

                    [-1,-1,-1,-1,-1,0,1,1,1,1,1]

```

Previous tensor.unsqueeze Next tensor.clip

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