# tensor.neg

## tensor.neg

```
Copy fnneg(self:@Tensor)->Tensor;
```

Computes the negation of all elements in the input tensor.

Args

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

Returns

A newTensor of the same shape as the input tensor with the negation of all elements in the input tensor.

Example

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

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

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

returntensor.neg(); }

          [1,2,-3]
```

Last updated1 month ago