tensor.where

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```

Copy fnwhere(self:@Tensor, x:@Tensor, y:@Tensor)->Tensor;

```

Computes a new tensor by selecting values from tensor x (resp. y) at indices where the condition is 1 (resp. 0).

Args

- self
- (@Tensor
-) - The condition tensor
- x
- (@Tensor
-) - The first input tensor
- y
- (@Tensor
-) - The second input tensor
-

Panics

- Panics if the shapes are not equal or broadcastable
-

Returns

Return a newTensor of the same shape as the input with elements chosen from x or y depending on the condition.

Example

```

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

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

fnwhere_example()->Tensor { lettensor_cond=TensorTrait::::new( shape:array![2,2].span(), data:array![0,1,0,1].span(), );

lettensor_x=TensorTrait::::new( shape:array![2,2].span(), data:array![2,4,6,8].span(), );

lettensor_y=TensorTrait::::new( shape:array![2,2].span(), data:array![1,3,5,9].span(), );

returntensor_cond.where(@tensor_1,@tensor_2); }

                    [1,4,5,8]

```

Previous tensor.and Next tensor.bitwise_and

Last updated3 months ago