## tensor.where

## tensor.where

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 • (@Tensor • ) - The first input tensor • (@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(), );

Previous tensor.and Next tensor.bitwise and

[1,4,5,8]

returntensor\_cond.where(@tensor\_1,@tensor\_2); }

Last updated3 months ago