Pytorch Foundation

#Operation

Addition

$z = x + y$; $x, y \rightarrow$ torch tensor

dot product : torch.mm(x,y)

mm → matrix multiplication

transpose : torch.t(x)

reshape : x.view(3,2)

It's possible to perform dimensional operations by specifying which dimension you want to be performed, whether row or column

row ; dim = 0

column ; dim = 1

Indexing

row $x[:1]$
         ↑
    select first
      row of
        tensor

tensor
   ↓
$x[:1, 1:3]$
    ↑   ↑
first row   1st column b
          second.