**Tensor.expand(\*size)**

将张量的单个维度(该维度大小必须为1)扩大为更大的尺寸

x = torch.Tensor([[1], [2], [3]])*#x大小是3×1*

print(x)

y = x.expand(3,4)

print(y)

>>>

tensor([[1.],

[2.],

[3.]])

tensor([[1., 1., 1., 1.],

[2., 2., 2., 2.],

[3., 3., 3., 3.]])

**Tensor.expand\_as(tensor1)**

a.expand\_as(b)相当于a.expand\_as(b.size())