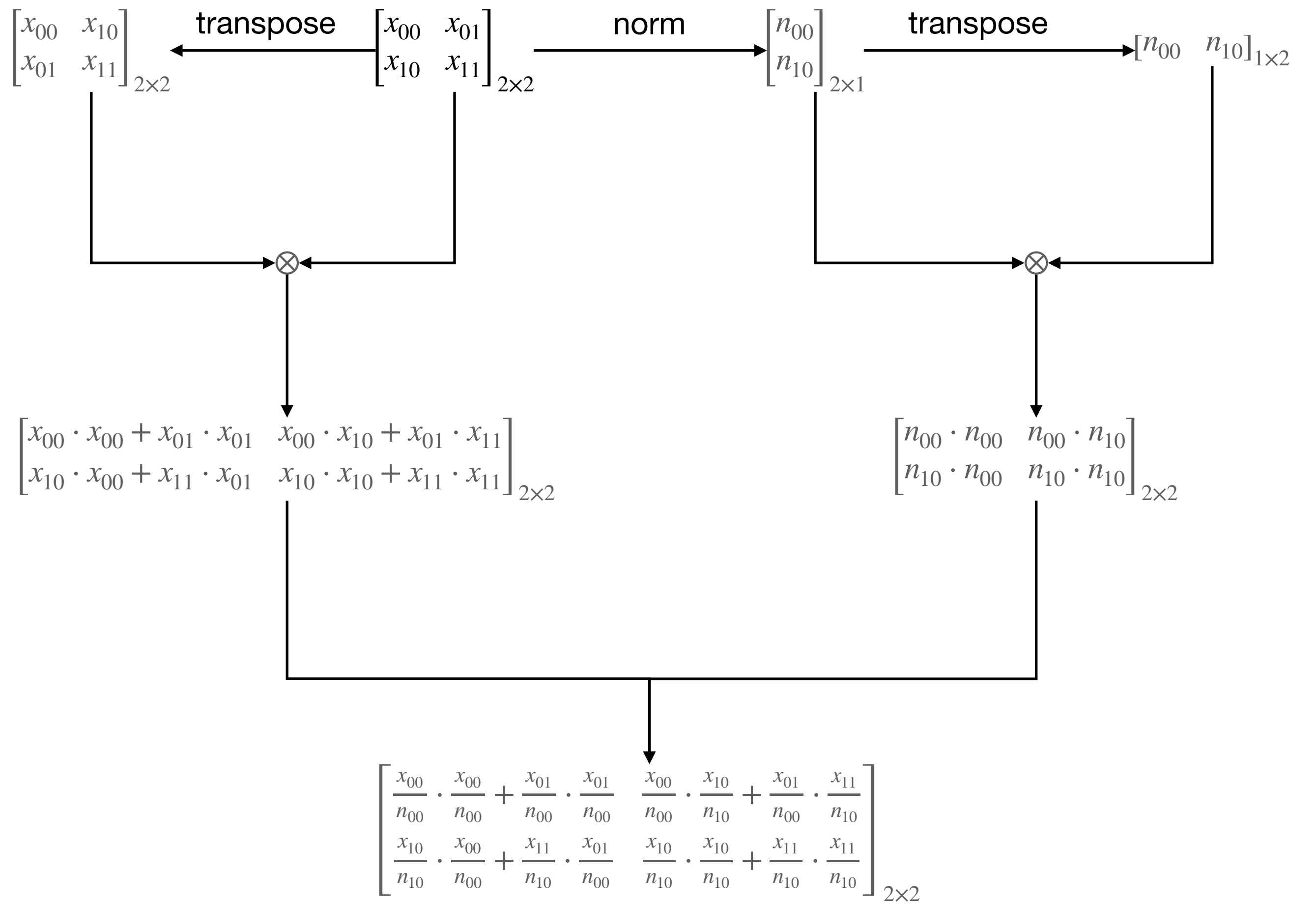


```
out = out / torch.linalg.norm(out, dim=1, keepdims=True) # (2N, D)
sim_matrix = out @ out.T # (2N, 2N)
```



```
norm = torch.linalg.norm(out, dim=1, keepdims=True) # (2N, 1)
sim_matrix = (out @ out.T) / (norm @ norm.T) # (2N, 2N)
```