

■ Identity tensor has trace 1

```
Id[a_, b_, p_, q_] :=  
  1 / 2 (KroneckerDelta[a, p] KroneckerDelta[b, q] - KroneckerDelta[a, q] KroneckerDelta[b, p])  
Sum[ Id[a, b, p, q] Id[p, q, a, b], {a, 1, 4}, {b, 1, 4}, {p, 1, 4}, {q, 1, 4}]
```