	Date
Idr 2	Intro to quantum info groupe Paul and Computation 2021121006
	Section A
2.	Consider two unitary operatory A B Consider the adjoint of their tensor product.
	$= A + \otimes B +$
	Now, All (A & B) (A & B) (A & B)
	$= (A \otimes B) (A^{\dagger} \otimes B^{\dagger})$ $= (A A^{\dagger} \otimes B B^{\dagger}) \qquad (By \text{ property of unitary})$ $= I \otimes I = I \qquad \text{one operator}$
	: (A&B)(A&B) += I
	we can say that the tensor product of A&B is also writery.

