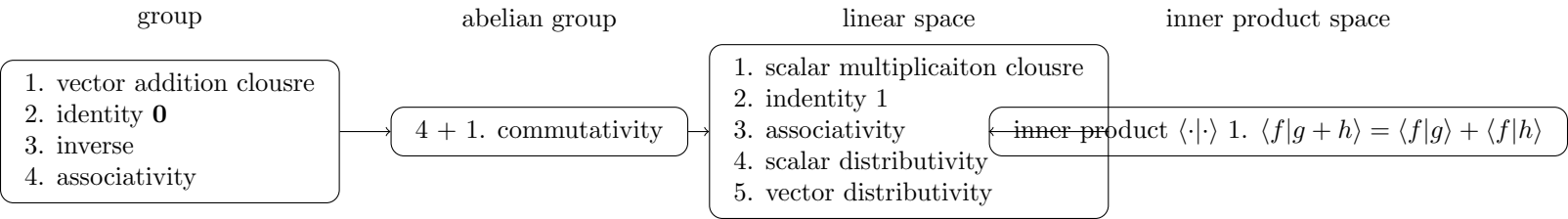
group
abelian group
linear space
inner product space
1. vector addition clousre
2. identity **0**
3. inverse
4. associativity
4 + 1. commutativity
1. scalar multiplicaiton clousre
2. indentity 1
3. associativity
4. scalar distributivity
5. vector distributivity
~~inner~~ product $\langle\cdot|\cdot\rangle$ 1. $\langle f|g+h\rangle = \langle f|g\rangle + \langle f|h\rangle$