Source: [KBe20math530refVectorSpace]

1 | Overview

Intuition

- If you have a vector list v that is a linear combination of vectors in V, or equivalently,
 - $v = a_1v_1 + ... + a_mv_m$ where $v_1, ..., v_m \in V$
- And those choices of $a_1,...,a_m$ are unique, then this is a linear independence? ## #definition linearly independent > The empty list () is linearly independent > A list $v_1,...,v_m$ of vectors in V is called *linearly independent* if the only choice of $a_1,...,a_m \in F$ that makes $a_1v_1+...+a_mv_m$ equal 0 is $a_1=...=a_m=0$
- ^^^ what the heck is that last part #todo-exr0n

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