







Generalize beyond 2x2 case.
It turns out that
$$[f, Ab]$$
 is the style dif generalizes:
So for near case, look at $[f_0, Ab, A^{+}_0, A^{++}_0]$
and see it full runk.
Goal: Show that runk (B, AB, A^{+}_0, ..., A^{++}_0) = n
which do we need? Need to be the mark that.
 $\vec{x} [id] = A \times (i) + B \pm (i) = 1$
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 $\vec{x} [id] = A^{+} \times (i) = (f_{\pm}^{+} A^{++}_{\pm} B)^{++}_{\pm} B)^{++}_{\pm} B = f_{\pm} \times (i) = f_{\pm}^{+}_{\pm} A^{++}_{\pm} B)^{++}_{\pm} B = f_{\pm} \times (i) = f_{\pm}^{+}_{\pm} A^{++}_{\pm} B = f_{\pm} A = f_{\pm} + f_{\pm}$

[s span{[i]} 2-dimensional? No [s span{[i],[2]} 2-dimensional? No [s span{[i],[2]} 2-dimensional? No [s span{[i],[2],[4]} 2-dim ? No How do stop? Oh not. Infinite loop. Guess a property: Once space stops growing, it would grow asain Need to state paperty. Then A b is also livery dyent on 3 Next dime : Prove this