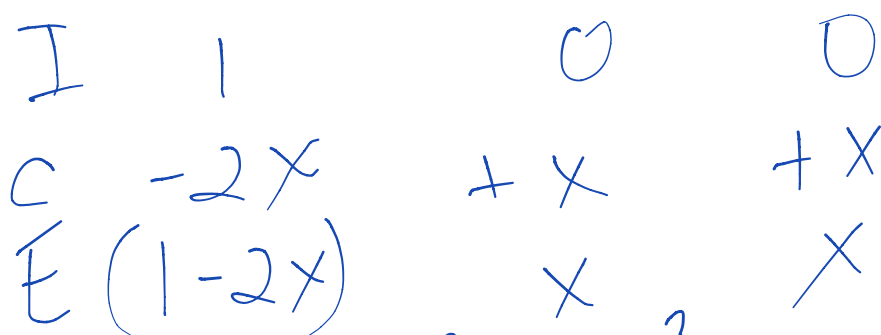
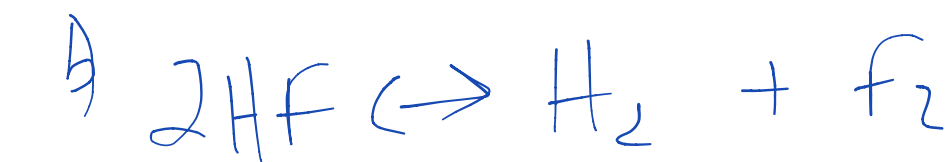


5) ² No, at room temp
I would not expect decomp
to occur to any significant
extent because K is so
small.



$$K = 1.0 \times 10^{-95} = \frac{x^2}{(1-2x)}$$

$$1.0 \times 10^{-95} = \frac{x^2}{1}$$

← disregard
x here
because
(K is so
tiny)

$$x = \sqrt{1.0 \times 10^{-95}} = 3.16 \times 10^{-48}$$

$$[\text{H}_2] = 3.16 \times 10^{-48} \quad \underline{\text{YES}}$$