## Linean Algebra

Set of all function [7: 80,13° -> 12 3= F Lod Asel S in a vect space over a friedd F iff - Hd, BEIF, YF, SES 2f+19ES

$$(f+g)(x) = f(x) + S(x)$$

$$a - f + (-a) \cdot f = 0$$

$$1. f_{60} \oplus 1. f_{(2)} =$$

f(0) = a f(1) = b f(0) = 1 f(0) = 0g(0) = 0 g(1) = 1

 $h(o) = a \qquad h(c) = b$  h = a + b + b

1 -> IR x IR

t in a vector space

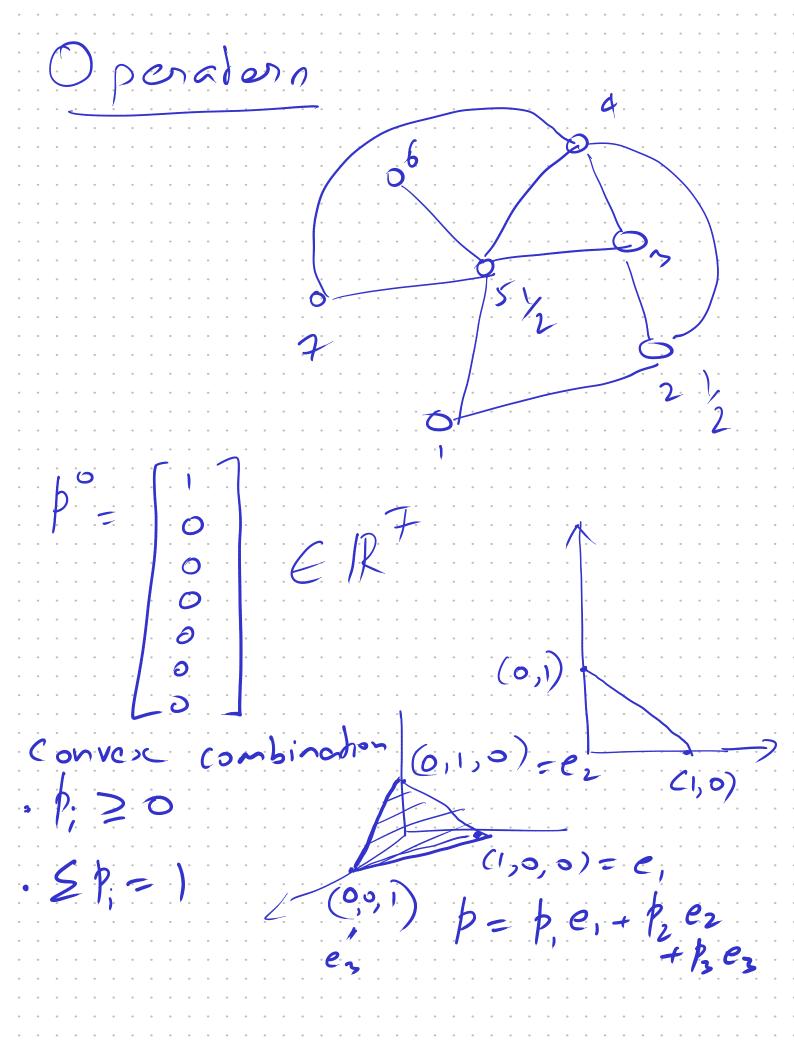
we IR

## Linear Trastera and Malsisc

T:V -> V (operators) With respect to bonin {b,..bn} M matrix of T din (Rang (M)) an Crans (M))

Contain (Span

Contai dim ( span (c, (C, )



Set prob dint Conven Combinations at CR7 b= 12.5+13 

 $p(t+1) = Mp^{t} \Rightarrow p = M^{t+1}p^{o}$ pt in distribution alter t rendom skeps toom init. dist What hoppens after a lons time? 







