(5.1) Sa X + p. m +: 2 -> [0,1].

dy pt: m*(b) =0, m*(A) =1 si A +0, ACX Modicide elt:

(i) $\mu^*(\phi) = 0$ (iii) $ACB \Rightarrow \mu^*(A) \in \mu^*(B)$.

(ii) $A_i, A_i, \dots \subseteq X$, (where $A_i = \mu^*(\phi) = \underbrace{SMA}_{i=0} = 0$ $A_i, A_i = \underbrace{SX}_{i=0} = 0$ $A_i = \underbrace{SX}_{i=0} = 0$ $A_i = \underbrace{SX}_{i=0} = 0$ $A_i = \underbrace{SX}_{i=0} = 0$ Si algumentit Di Mx (Chi)=1 = 2 pot (A)

to

Milia) = 2 pot (Ai)

in the second of the EX modifie si fAcX $pt(EnA)+pt(E^cnA) = pt(A)$ Si [X]=1, P(X)=(p,X)=mSi E there algorin demeths, $pt(EnX)+pt(EnX)\neq pt(E)$ f(X)=1Si f(X)=1Si f(X)=1 f(X)=m=hp, Xt le o objetore trond. (5.2) 1+4. p.+(Q)=0, p.+(X)=2. p.*(A)=1 Medide ett:

(i) $\mu^{+}(\phi) = 0$, (iii) $ACB \Rightarrow \mu^{+}(A) \leq \mu^{+}(B)$ (ii) $A_{1} = A_{2} = 0$ (ii) $A_{1} = A_{2} = 0$ (ii) $A_{1} = A_{2} = 0$ (iii) $A_{1} = A_{2} = 0$ (iv) $A_{2} = A_{2} = 0$ (iv) $A_{3} = A_{4} = 0$ (iv) $A_{4} = 0$ (i hm.ej. 5.1

Si t= {x} con xeX = tem. Es deen, (m=2x) Olen: A=X => px(A)=2=px(X3x1)+px(1x1) $A = \emptyset \implies 0 = \mu(A) = \mu(B \cap \{x\}) + \mu(\Phi \cap \{x\})$ $A = \emptyset \implies 0 = \mu(A) = \mu(B \cap \{x\}) + \mu(\Phi \cap \{x\})$ 1 2 see xeA o xAA. (5.3) put modide extrior fraitemente aditre sommerstante Seen An, Az, ... CX disjutor dor e dor.

Mt (U Ai) - En Mt (Ai) A

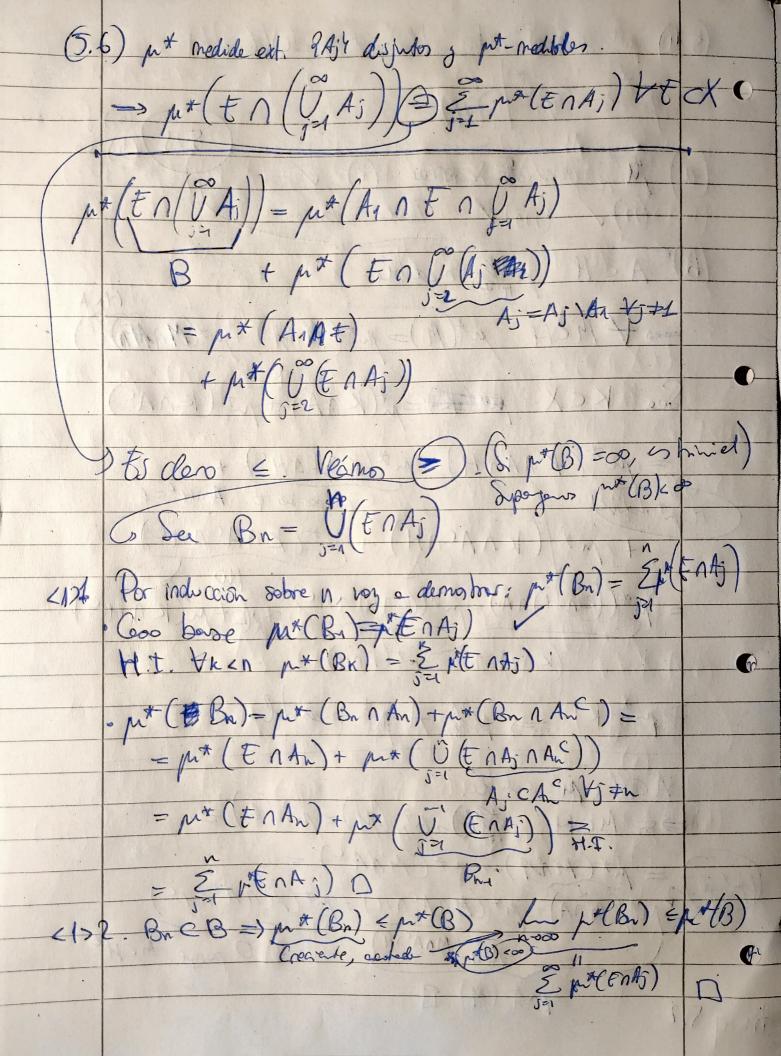
Bh Por dy du pax, pax (A) & & pax (Ai) >> Bn CA => put (Bn) & put (A) Si n+(A) = 00, ye este. S. pxCA) 200 > px (Bn) cecute, andede s lu pu* (Bu) < pu*(A) E /(A) < /- (A)

(5.4) pt madale ext. Il not-ned bli. (a) Mut per medide exterior: (i) V

(ii) V, (iii) V Pada dans (b) ACH px/k-nedible => + MCH pt(M)=pt(MnA)+pt(MnHnAc) See KCX: pt (KnA) + pt (KnA°) = m* (KNANH) + m* (KNANH) +

olipor ser &. AnH== &

H m* (KNACNH) + m* (KNACNHE) = M((kn/m) nA) + m#((kn/m) nAc) tylkt m(kn/m) (KAHICH Spt (KAH)) = mt(k) -> pla A mt-medible ACH put-notible. Si MCH, pthabpy (M)=pt (M)= Entido = mt (mnA) + mt (mnAcnH) + mt (mnAcnHc) my (MnA'NH) 6 parge MCH min (M) I tm.q.5/2



(5.7) [X] inforte. Close rawlandare: 6=90, X) ulixi: xeX1 Definition $p(\phi) = 0$, $p(x) = \infty$, p(t) = 1 & $t \in \mathbb{C}$? $\phi, \chi \in \mathbb{C}$ (P es une premedide) _s put = put p le medide extrise avancable m le oralgebre de commos pro-medibles. to guerol

Todo Comp b and Brence

Dece A CX:

(1>1. A finite A = (a1, a2, ..., an). Obno por (A) & n = & p(1a1)

Todo Comp b and b Brence

December 1. Todo Comp b and b Brence · Spage of The work, y con n > Ep (th) =) <2>1. Son holos vocios solvom minero de des:

[Ir;]; no vocios, el rest y mielembels, men 62>1. | UZIK; | < m < m = | A | # Culodocin . El Mining del Cognito & Ep(In)/ OIL = A. (In/c C) son A funto => px(A) = cord(A) Pero E p (Ix) < n implie gen more fit quel influence de eller for mielendeler de meste bee'er A (Utn) (00 =) A + UTk !!! Hm.g. 5.3

· Sa Fe 2x fints · See ACX frito @ (A)=cord(A) p*(EnA)+p+(EnA) = God (AnE)+cord(A · E)

finh

finh

= Cord (A) - See A CX righto =) pt(A)=00 = pt(EnA) + pt(AnEc) =00. See t∈ 2 × infrito V - See ACX finito © ignel · See ACX refrito 3) bren ANE inforto o ANE onfrito @ - > po(A) = pot (Ant /+ put (Ant) (5.8) X no monorable C= {ACX / Anneable & XIA meradle} p: C-> [0, \in]. \mu(E) = \text{and } E \ \text{si fmb} (E) \\
\text{p(E)} = 00 \text{si Enofish} \\
(a) \text{hedide Completa.} \quad \mu(0) = 0 \\
\text{. Es trivial go es modide } \mu(\mu(\mu)) = \frac{2}{2} \mu(\mu(\mu)) \\
\text{. Es trivial go es modide } \mu(\mu(\mu)) = \frac{2}{2} \mu(\mu(\mu)) · Si FEC con plb)=0 - 1 B= \$ =) +FCO, FEC page F= \$ (b) put mande congulor informitor a or angular fuitor e or cordinal