down g= 71 | febr absurdum: 3 = 30 = +00 |

Sent down g= 71 |

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R:09 ] = A.K: maximolly I swedterential operator of a f. function is maximally improtone
             0: down g= 71 | fe'er abstraum. \exists \widetilde{\chi} \in M \Im(\widetilde{\chi} = +\infty) \Im(\widetilde{\chi} = +\infty) g: Cannot be differentiable at \widetilde{\chi} \in M
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                                 (%) b.come. b-L(n): down linear subspace
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                                 (C)(H, V.). Brills quantions and this profit could be the constitution of the profit could be constituted by the constitution of the constitution 
                                 of sri(dom a - doms)
         (Properties of minimizer for a sum of two C. functions) * *
      Corollary its. [ f,g\in G(N); k\in M; y\in K_{k+}; and of the sollowing healts: (b) Destriction g-dense) have horestion to the suspicional conditions for this plant.
      (b) H: Sinite-dimensional, g: potshedral, dam g \alphari dom \S \neq \emptyset
      (O.H.: finite-dimensional), f.g.: polyhedral; dem.f.ndom.g.fp ] The following are equivalent
    (1) £: Solution to the problem : min. {(E)+5(E) ; (f) £eter(5;+36) } to make the
                                                                                                                                                                                                                                                  Argmin (5+5)= 2017(45+26) Argmin (5+9)= 2017(A+B)
    (\underline{r}!) \ \ \underline{\tilde{x}} \in \text{bLox}^{A \bar{d}} \left( \text{bir}(\text{Sb.tox}^{\underline{k} \underline{L}} - \text{J4}) \cdot (\text{Sb.tox}^{A \bar{d}} - \text{J4}) \right)
      (F) 263 81 - 18635(E)
   (A) 3 MESS(E) A REM (X-AIM)+2(E) & 2(A)
            Moreover, if g: distribute differentiable at \bar{x}, each of the items (in-(v) is also equivalent
         (ri) -04(k) +35(k)
                                                                                                                                                                                                                                                                                                                                                                           (Ifinally we use the Theorem 25-9: which is the garward-backward algorithm in it's parest form:
       (AB) A<sup>REM</sup> CX-21 ARXXX+2XxX+2XXX
    Theorem is a (forward-backward algorithm) If E^* since nonremain \int_0^R e^{it}, maximally monotone; g \in E_{t+1}; g : x_t + x_t, g = coordine; y \in [0,2]; g = min(t_t^2 g + \frac{1}{2}).
                                                                                                                                                                                                                                             \left\{ \begin{array}{l} 2 \in \mathcal{C}(\mathcal{M}^{1}, X \in \mathbb{R}^{n}) \neq 0 \\ \\ 2 \in \mathcal{C}(\mathcal{M}^{1}, X \in \mathbb{R}^{n}) \neq 0 \end{array} \right\} \stackrel{\mathrm{Sout}_{\mathcal{M}^{1}} = 2 \times 1}{2 \times 2 \times 2}
                                                                                                                                                                                                                                                                                                                                                                                    (\lambda_n)_{n\in\mathbb{N}} ; reporter in [0.1], \sum \lambda_n(s-\lambda_n)=+\infty , x_i\in\mathbb{N} ; \operatorname{Rer}(A+B)\neq\emptyset ; n\in\mathbb{N}
                                                                                                                                                                                                                                                                                                                                                                              (m) (instant) , xextr(A+61) > (Bxn)new: Bxn→ Bx
                                                                                                                                                                                                                                                                                                                                                                                 (iii) (infinity \lambda_n>0; one of the following holds:
                                                                                                                                                                                                                                                                                                                                                                                   (b) A: Uniformly manufact on every nonempty bounded subset of dom A

(b) A: Uniformly manufacture on every nonempty bounded subset of 31 ) \Rightarrow
                                                                                                                                                                                                                                                                                                                                                                                               (In)man: Companyes strongly to the unique point in err(A+8)
   Proposition 27-15 (Primal-duc) algorithm) [ DEG(H); VEG(K); ZEH; TEK; L: EB(H,K), L+O,
   resri(LLdompy-dompy);
Primal problem:
                                                                                             \label{eq:points} \begin{array}{ll} \text{min.} & \varphi(\textbf{x}) + \forall (\textbf{x}\textbf{x}\textbf{-}\textbf{r}) + \frac{1}{\xi} \|\textbf{x}\textbf{-}\textbf{z}\|^2 & \text{ [eq: 27.32]} \end{array}
                                                                                            min. {}^{1}(p^{3})(L^{5}v+z)+y^{4}(-v)-(v|v) [eq: 27.33]
   YE 30, $\frac{2}{11,11} \( \tilde{\chi} \); \( \darksim \text{min \{1, \frac{1}{2} \cdot \frac{1}{11,22} \} \) + \frac{1}{2} \; \( \lambda_n \rangle \text{min \{1, \frac{1}{2} \cdot \frac{1}{12} \} \), \( \darksim \frac{1}{12} \), \( \darksim \frac
                                                           A^{NCN} = X^{N_c} \cdot b \cdot tor^{\Phi} (r_{a} \Lambda^{N} + g)
                                                                                   VAHICAN-Y" (LLOT LADA (A(Tru. L)-N")+N")
   \bar{\chi} ; unique solution to the primal problem ] \Rightarrow
   (i) \nabla_n \rightharpoonup \bar{V} ; solution to the dual problem
                x=Prox<sub>e</sub>(L*V+2)
 (i) x<sub>n</sub>→ī
Proof:

Set h: H→J-∞, +∞J: x → \phi(x) + \frac{1}{2} |X × 3|<sup>2</sup> + G(H) \Rightarrow dom p = dom h
                      \gamma: \gamma(\mathcal{A}) = \lambda(\widetilde{\mathcal{A}}^{L}) \leftrightarrow \lambda(\widetilde{\mathcal{A}}^{L}) = \gamma(\widetilde{\mathcal{A}}^{L})
\gamma: \gamma(\mathcal{A}) = \lambda(\widetilde{\mathcal{A}}^{L}) \leftrightarrow \lambda(\widetilde{\mathcal{A}}^{L}) = \gamma(\widetilde{\mathcal{A}}^{L})
\gamma: \gamma(\mathcal{A}) = \lambda(\widetilde{\mathcal{A}}^{L}) \leftrightarrow \lambda(\widetilde{\mathcal{A}}^{L}) = \gamma(\widetilde{\mathcal{A}}^{L})
Then primal problem: \left(\min_{\chi \in \mathcal{H}} \underbrace{\frac{\phi(\chi) + \frac{1}{2} \|\chi, \chi\|^2 + \frac{\phi(\chi, \chi)}{2} \|\chi, \chi\|^2}_{h(\chi)}\right) = \left(\min_{\chi \in \mathcal{H}} \underbrace{h(\chi) + \frac{1}{2} (|\chi, \chi)}_{h(\chi)}\right) = \min_{\chi \in \mathcal{H}} \left(h + \frac{1}{2} \text{old}(\mathcal{H}) - \frac{1}{2} \text{old}(\mathcal{H})\right)
given resri(L(domp)-dom>) A xesri( ↔ cone((-x)=span ((-x)+/
      ↔ cone (L(dom(b)-dom(v-r) = span (L(dom(b)-dom(V-r)
       1000 L (4010 P) -401 P-1
                     = [ {x ex | $\phi(x) < + \omega } - {2\ell k | h(2) < + \omega } - \tag{2}
                  = {Lx EK | Q(x) < + 00} - {4 EK | 4(4) < + 00} - 1
                  = { [K-A-L] & K) < +00 ' A (A) < +00 }
                                                                  \underbrace{\Phi(x) + \frac{1}{2}||x-\xi||^2}_{H} < +\infty \qquad \qquad \qquad \downarrow (y+r) < +\infty
               = {LI-(4+1) | h(x)<+00, i(4+1) <+00}
            = [{x | h(x)<+ w} - {y+r | j(y+r)<+w}
          = L\{x|h(x) < +\infty\} - \{\vec{y}|j(\vec{y}) < +\infty\} = L(aon h) - domj
                                                  dom h
                                                                                                           Jowj
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                              =L\{x|h(x)(+\infty)-\{\tilde{y}|j(\tilde{y})(+\infty)\}=L(domh)-domj
                                                                                                                                                                                                                                                                                                                                 (one ( F(qown) -qow?) = 2 bou ( F(qowy) -qow?)
                                                                                                                                                                                                                                                                                               ↔ DESTI (L(40mh) - domj) A ŽESTI C ↔ (ONE((-Ž)=SAAN ((-x) +/
                                                                                                                                                                                                                                                                                     → OE sri (domj - L(domh))
          now recall:
                       recomplete # (control hands) | This is a seminary variant of Papasithan 18-22
fection, Section, Lecturous
0 esticoning - (control) | Tandaranda the specifies is some $6-22 (damay-Lidams) | 7
parasitron of the control of the control
                          ing ($+90L)(H) = - min ($0L0+90)(K) A p':reversion is p = 0 x to p(x) #1
             \inf_{\substack{i,j \in \{h^{\frac{1}{2}}, h^{\frac{1}{2}}\} \\ \text{ conjugable} \\ \text{ such that } \text{ odd in a start } \text{ such that } \text{
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ly
minimizer raises in K.
so, ins on R.4.5 has a minimizer in 4,
⇒ (an be replaced with min.
          \frac{2(L_1)}{L_1} = \frac{2(L_1)}{L_2} + \frac{2(L_1)}{L_1} = \frac{2(L_1)}{L_2} + \frac{2(
      Nom: V(x) = \Phi(x) + \frac{1}{2} ||x - 4||_{x} = \Phi(x) + \frac{1}{2} ||x||_{x} + \frac{1}{2} ||x||_{x} + \frac{2}{2} ||x||_{x}
                                                                                                                                                                                                               = \varphi\left(x\right) + \tfrac{1}{2} \left\| x \right\|_{\mathcal{L}} + \left\langle x \right| + \varepsilon\right\rangle + \tfrac{1}{2} \left\| \varepsilon\right\|_{\mathcal{L}}
          \left[ h_{\underline{x}} = \left[ \left( \phi_{\underline{x}} \right) \left( + \underline{\varepsilon} \right) - \overline{\left\{ \|\underline{\varepsilon}\|_{\underline{\zeta}} \right\}} \right]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        h=(P+1/2||+||+|+|+|-27+1/2||2||*)
= (0+1/11/1/2) (+1/2) - 1/2 || 1/2 || x
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               = \frac{1}{2} \left( \left\{ \frac{2}{4} \right\} \left( \frac{1}{2} + \frac{5}{2} \right) - \frac{5}{2} \left\| \frac{5}{2} \right\|_{\mathcal{S}} \right)
                                    ... j*= (1, 4, 1) = (1, 4+(0) +0)*
                                                                                                                               = 1, y*+(+|r)-(0|r)-0
                                                  j*= h * + (•|1.)
So, the problem (min. h*(1.47)+j*(-47)
                                                                                = \underset{\text{wiv.}}{\text{her}} \left( \left| \dot{q}_{k,l} \right|^{(++\xi)} - \frac{1}{2} \| \delta \|_{2} \right) \left( \Gamma_{k,l} \wedge l + \left( \lambda_{k,l} + \langle d \lambda_{j} \rangle \right) \left( - \Lambda_{j} \right) \right)
                                                                         = \left( \begin{array}{c} \text{with} \quad \text{white all } \\ \text{with} \quad \text{with} 
                                                                                [eq: 27.35], [eq: 27.35.1] and [eq: 27.35.2] =>
                                                                                                                                                      win. \frac{(e^{h}(L)+\nu(Lx-r)+\frac{1}{2}|x-x|^{k}}{\nu(x-r)+\frac{1}{2}|x-x|^{k}} has alreast one solution.

Win. \frac{(e^{h}(L)+\nu)+\nu^{h}+r^{h}+r^{h}-(\nu)(r)}{\nu(x-r)} and \frac{(e^{h}(L)+\nu)+\nu^{h}+r^{h}-(\nu)(r)}{\nu(x-r)} has alreast one solution.

I win. \frac{(e^{h}(L)+\nu)+\nu^{h}+\nu^{h}+r^{h}-(\nu)(r)}{\nu(x-r)} has alreast one solution.

I win. \frac{(e^{h}(L)+\nu)+\nu^{h}+\nu^{h}+r^{h}-(\nu)(r)}{\nu(x-r)} has alreast one solution.
      NOW DELPCH)
                          (pt): Frechet differentiable = g = '(qt)(tt-te). Frechet aisserentiable
   \Phi = (\Phi^{\dagger}) = (14 - \text{Prox}_{\Phi^{\dagger}}) = 1 \text{ Lipschille continuous}
\Rightarrow \nabla (\phi^{\dagger}) = (18 - \text{Prox}_{\phi^{\dagger}}) . Sirmly montrive
                                                                                                                               Prox & Horsau decompe | 1 Prox & Prox or "14
             nom (Of) is 1-moreon ennembe
          ⇒ dom('q*)=H
                                                                                                       set: p = gam_1(\delta_A) = M \Rightarrow \bigcap_M uut \Gamma(C) \neq \emptyset
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ral; dem Sn ri L (dom f) + p
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ⇒ V'(p*.L) < [** V'(p*)·L
11. 5.5: Prightedral : dam 5 n.L (dam 5) # 0 1 + 8(51 501) +85 +1.5 (9) 01.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ⇒ $ (0, ((1)) = 1 $ (0, ) \ *
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              = 1 (0 (rats))= 1 0 (0) (rats)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       23(A)= 7 2, ($,) (r, A+5)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         L'. linear operator
                                                                                                                                                                                                                                                                                                                                                                     \vdots \quad \bigwedge^{\text{A} \in K} \quad \bigwedge^{\text{A} \in K} \quad \| \, \Delta \, \delta(A) - \Delta \, \delta(M) \| \, = \, \| \, \left[ \, \Delta_1(\Phi_{\varphi}) \, \left( T_{\varphi} \Lambda + \varepsilon \right) - \Gamma \, \Delta_1(\Phi_{\varphi}) \, \left( T_{\varphi} M + \varepsilon \right) \right] 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 = \big| \big| \; \big| \; \big| \; \left( \; \nabla^{l} \left( \varphi^{\varphi} \right) \left( L^{\varphi} v + \Xi \right) - \nabla^{l} \left( \varphi^{\varphi} \right) \left( L^{\varphi} \omega + \Xi \right) \; \right) \; \big| \; \big| \; \; \text{fuse like deg of linear-operator norm $\psi$} \big|
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        \stackrel{<}{\sim} \| \| \| \| \| \Delta_i(\Phi_{\pmb{\varphi}}) \left( \Gamma_{\pmb{\varphi}} \Lambda + \xi \right) - \Delta_i(\Phi_{\pmb{\varphi}}) \left( \Gamma_{\pmb{\varphi}} m + \xi \right) \| - | * \mathsf{nom} |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          V (Q*) : Lipschitz continuous */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /+ < || L+V+2- L+W-E||= ||L+V-L+W|| +/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /* ||[*(V-W)|| { || L* || ||V-w|| */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11 11 / using Fact 2-18 | [[1]= 112* 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 < ||L11<sup>2</sup> ||v-w1|
                                                                                                                                                                                                                                                                                                                                                                                                                                 A^{n \in K} \quad A^{m \in K} \quad \|\|\Delta d(n) - \Delta d(m) U \in \||\Gamma f|_{F} \| h + m \| \ \Rightarrow \ \Delta d \in \||\Gamma f|_{F} \text{ This civitis continuous}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      . \nabla S(v) = L \nabla' (\Phi^{\frac{1}{2}}) (L^{\frac{1}{2}}v + \epsilon) = L \operatorname{prox}_{\Phi} (L^{\frac{1}{2}}v + \epsilon)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 [eq: 24.37.2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            x^{-} from b(r_4 \wedge^4 + s) \Rightarrow r_5 \wedge^2 = r_6 + r_4 \wedge^4 + s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       V_{n+1} = V_n - V_n \left( F(x_1, y_1) - V_n \right) + V_n + V_n \right) + V_n + V_n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               sition 23-29 Apropostios of prozimity eperators from 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  = Vn- An (-Proxy (Vn-YVA(Vn)) -Vn) Itusing */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       = - \beta LOX^{\left( A, b_{+} \right)_{A}} \left( \Lambda^{\mu_{-}} A \Delta \tilde{d} \left( \Lambda^{\mu} \right) + A b \right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                [ SEC.(4): CEN: YER++] here set N=0 then Prox 1+(114)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ausing: - */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           = \Lambda^{\nu} + y^{\nu} \left( b \cos^{\lambda \xi} (\Lambda^{\nu} - \lambda \Delta \partial (\Lambda^{\nu})) + \Lambda^{\nu} \right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 9= 5+ E 1-1k+(-|u>+ B € WEN, KER, BER] > Prox to Prox (ON)-1 (N+1) (E-U)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   = -b \log^{\left(\tilde{X} \tilde{\mathcal{H}}_{\frac{1}{k}}\right)_{k}} \left( \left( \tilde{\Lambda}^{N_{-}} \tilde{X} \Delta \tilde{\mathcal{D}} \left( \tilde{\Lambda}^{N} \right) \right) - \left( -\tilde{\Lambda} b \right) \right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   notice that this is the underlying recursion of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (i) 9=7g5 = 5(--2) {2EN3 => Prox = 2 = 2+ Prox = (2-2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             =- Proc (Y P*) - (-|ET) | PASING (X X) |

** Y (P*) - Y (|F*) | PASING (X X) |

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Forward-backward algorithm, r

There's true, more returned appropriate and more system as exist, r

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (N) 9=5(4.) { Pek/(0) } ⇒ Proxg X = 1., Lox 4.2 (Lx)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      by 8=2, ⇒ blor<sup>2</sup>x= plor<sup>2</sup>(x*) /(?<sub>x</sub>=?(-).<sub>x</sub>/

hy 8=2, ⇒ blor<sup>2</sup>x= r+(x+1), (blor<sup>2</sup>(x*)?*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       \left\{ \begin{array}{ll} & & \left\{ \left( \frac{1}{2} \left( \frac{1} \left( \frac{1}{2} \left( \frac{1}{2} \left( \frac{1}{2} \left( \frac{1}{2} \left( \frac{1}{2} \left( \frac{1}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              to Calman and a new or American of Calman Andrew (1941) of Calman Calman (1941) of Calman Local (1941) of Calman L
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             = -Prox (Vn-X VA(Vn)) */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       i) 9~25<sup>8</sup> ⇒ Pros<sub>6</sub>2~2-Y Pros<sub>3-15</sub>(1<sup>-1</sup>X)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 with Martha-ridge-and lines within it the primal pronoun in our case
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1: Solution so (0-1) ] (15-6) has unique solution; \overline{\chi}=\Gamma_{TTL_{\frac{1}{2}}}\left(L^{T}V+\overline{c}\right)
                                                                                                                                                                                                                                                                                                                                                             (i) follows from
                                                                                                                                                                                                                                                                                                                                                                              Vn: converges weaking to a point in Alamin (5+8) 11 5:44 194 (-4)-(117)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           says solution of our dual problem
is Argmin(5+9)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .. X= Arox (L*V+2)
                                                                                                                                                                                                                                                                                                                                               (ii) In (i) see Nave shown that V_{a} \sim \widetilde{V} : \widetilde{V} \in \text{Argmin}(\S+\S) desired in [equival prob
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           and X= Prox (L"V+Z); unique solution to dual problem
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   as (Null call pounded to [(Mull call pounded 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    anded, possesses all most one weak sequential cluster
                                                                                                                                                                                                                                                                                                                                                         \begin{array}{c} \text{NeN} & \begin{array}{c} \text{If} & \text

\( \( \( \L^* \n + \psi - \L^* \vec{\nu} - \psi \) \\
\[ \text{Prox}_0(L^* \n + \pi) - \text{Prox}_0(L^* \vec{\nu} + \pi) \)
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\text{Prox}_0(L^* \vec{\nu} + \pi) - \text{Prox}_0(L^* \vec{\nu} + \pi) \)
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\text{Results of } \( \L^* \vec{\nu} + \pi \) \[
\text{Results of } \\

                                                                                                                                                                                                                                                                                                                                        = \langle \lfloor \frac{*}{V_n} (V_n - \overline{V}) | \text{Prox}_{\varphi} (\lfloor \frac{*}{V_n} + \overline{\epsilon} \rfloor - \text{Prox}_{\varphi} (\lfloor \frac{*}{V} + \overline{\epsilon} \rfloor) \rangle
                                                                                                                                                                                                                                                                                                                                        | h linear operator #/ /+ now use:
                                                                                                                                                                                                                                                                                                                                 = \left< V_{\eta_i} \cdot \widetilde{V}_i \right| \cdot L \left( \operatorname{Prox}_{\mathfrak{P}} (L^{\theta} V_{\eta_i} + \widetilde{\varepsilon}) \cdot \operatorname{Prox}_{\mathfrak{P}} \left( L^{\theta} \widetilde{V} + \widetilde{\varepsilon}^{-1} \right) \right>
                                                                                                                                                                                                                                                                                                                       04(V) /4 from (co.2437.2) 03(V)= LProx (L*V+2) */
                                                                                                                                                                                                                                                                                                                    = (v<sub>r</sub>, v) vg(v<sub>r</sub>) - vg(v) > v || v<sub>r</sub>, v|| || vg(v<sub>r</sub>) - vg(v) || /+ concrete - (x14) + 1x11 11311 */

  \[
  \left( \frac{\vert \text{VeV}}{\vert \text{Sub}} \left[ \left[ \vert \frac{\vert \vert \text{VeV}}{\vert \text{VeV}} \right] \left[ \lambda \left[ \text{Val} \vert 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    P. SINHP, Positive
                                                                                                                                                                                                                                                                                                                                                                              0 as n=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                      \|X^{-1}X\| \to 0 as N \to \infty
                                                                                                                                                                                                                                                                                                                                                                                                                       \mathcal{I} \quad x \leftarrow^{V} x \Leftrightarrow
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