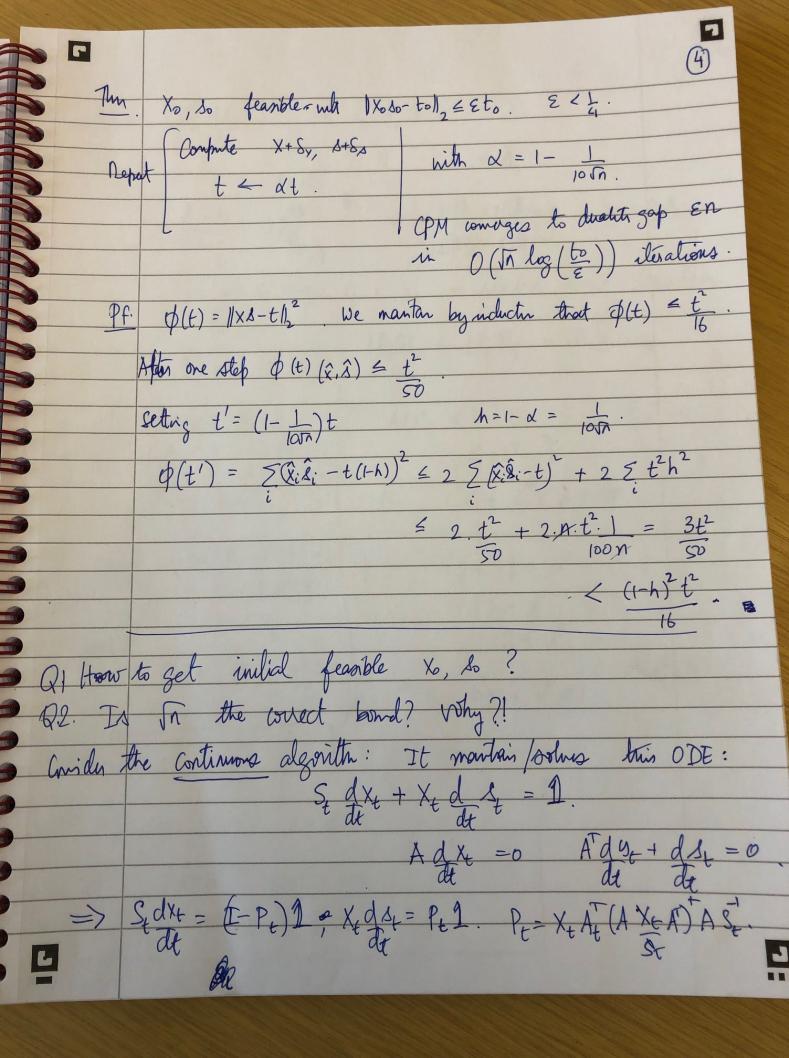
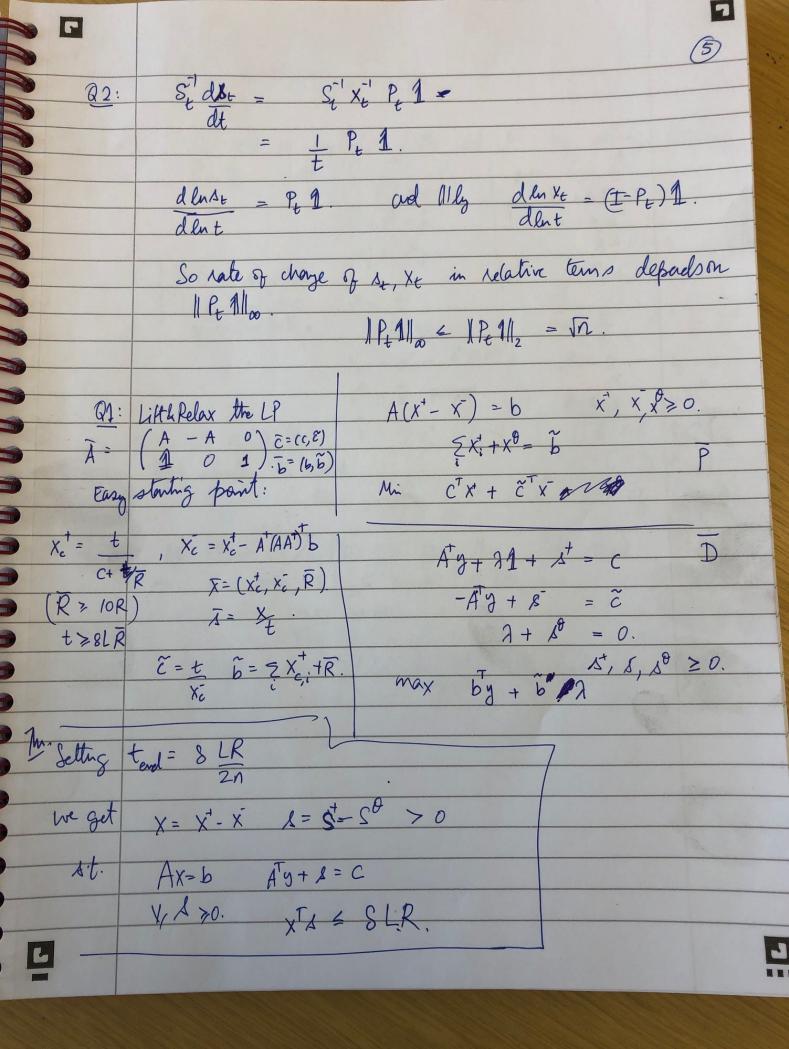


6

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Find x, s on central path of (P) by solving anxibing \overline{P} , \overline{D} . \overline{M} $\overline{C}x^{+} + \overline{C}^{T}x^{-}$ \overline{M} \overline{M} $A^{T}y + 21 + A^{\dagger} = C$ $-A^{T}y + A = C$ $2 + A^{\theta} = 0$ $\sum x_i^+ + x^\theta = \tilde{b}$ $X^{+}, X^{-}, X^{\theta} \geqslant 0$ xt, 5, x8 >0 P, D is easy to imbodize: $x^{+} = t$ on central path o C+t $X_{c}^{-} = X_{c}^{+} - A^{T} (A A^{T})^{-1} b \qquad \qquad X_{c}^{0} = \frac{t}{x^{0}} \cdot y = 0.$ R=10R take

tint = Cn2R.LR. Fllow CP of (P),(D) 6 = Ext, + R. Apply iteration to reach to LR. the x=xt, s=st is on CPM of (P), (D) & Follow CP of (P), D) from this tall tend Ax=b, x > 0 = B(O,R). 11 Cl2 = L. 3x, x; >r, Ax =b. The . # ilindins : = O (In log(nRL) to find X 20, AX= 6 CX & OPT + E