Ex: 1 tolon = -en l'fors = e > 0 for convexton 2. pen 2 (mm } 1-n,08) 1-9 1 I mean 2) coneso

mon of 1-9,03 Browers becar Domogramon of a

two convex free for one convex.

the range of mod 1-92,03 B 20 in this range (1)

is always increasing. =) composition of () and conveys or conveys 3. pcr) = mn {1-2,0} p convey as proved before, 4. $1 - \tanh(k\pi)$ for Armed X $\frac{4}{100} = 1 - e^{2k\pi} - (e^{2k\pi} + e^{2k\pi}) = e^{2k\pi} - (e^{2k\pi} + e^{2k\pi}) = e^{2k\pi} + e^{2k\pi$ when no LO D hot Convex

Propo = 1 5 l(y1, n1, p) = 1 5 p(y1n1 p) $\frac{2}{2} + \sum_{i=1}^{2} (1 - 4ini\beta) + \sum_{i=1$ >[0, 15 7 (1-412/p)] 1-412/pc Jus gradrent

= Jos fings doen't always exist.

when 1-41nip=0 with subgrassent in

Prope = CI-yinip) yini | 1-youp 70

Trope = Converse Prys) = 1 = 1 (41 orp) + 21/1811 Thep) = Thip + NB Thuch = >B = 25 (1-4)216) 4521-131-4126 = > p - 2 = (1-4) nip) yn; N 45 nip4

41 n; n. > 0 , go . b. est continuor. 1

=> URng) = 28 - 2 = (1-9121 E) (4121) - 12 4621 pc/3 4. \$ = \$ -@ TLy). conside VERPTI VUGBOV = 2 2 V 21 12 41 nd p < 13 21 V + 2 2 VV >) Vacpor >0 + VERTY fot pivelo-cole let Q = acp), LCB = PnCB) for each steaths: compte he grant VLCB) Stop when loss is swell enough. Corplexity: to calcule (rep) = O(p2) 10 (pn) to gette morse of hcp) = p3Then multiplication (2 Tolks) = QPd full =0 (P3+ p++ pm)