Poblem 8.2.4 min 1/21/1 mn 2 | 2 - (2 - va) | 1 Subj. to An=b 11/2 - (Zy) 11 + 1 (A2-b) +2-N+ (X4) =0 => 1 = (Z+N)-A) (2-p)-(2-p)-47/11+ x (4(2-p)-47/1-b) 211-12/11 + 1 (A(Z-N)-14/21-6 =AA7) + A(Z-1) - 2AA7) - 6 =0 (-A/+7) 6 + (14/47) 4(Z-N) = (14/47) [A(Z-N-6] 2-19-47 (AA7)-[A(2-15-b)] = (2-52)-A(AH7)-[H(2-52)-b] 2 = agmin 2 pt (1 11/2, 1") = agmin 1/211, +2 (1 14-2) 1/4 + 1/1 1/2-2/1 2 -> 12 12 1 + 14 (21-2) + 2 1/21-211 Zhi) - X - P(KKII - Z'CII) 30 Si (2k+1 + p) = Si (2k+1 + p) 2 /m= / +p ( 2/m - 2/k+1)

Problem 8.2.5 Mm = 11/42-611 + 8/12/11 Min { 2 | 1/1/2 - 6|1 2 + 8 | 12 | 1/2 - 2 = 0 } aromin dpk (1,2k,1h) = \$ 20 2 | | A2-b| 2 8 | 2 | 1, 4/k (n-2k) + 2 | | n-2k | 2 1 + 1 h + ph (2-2") = 0 => 4/42-4 b + 1 h + ph - ph = 0 = 0

N = 4 b + ph = -1 h

("4+ph)" [ 4 b + ph = 2 h - 1 h = 07 2 | | An - b| + y = | Z: | + 1 (2 k+1 - 2) + 2 | 12 k+1 - 2 | 2 => 11 - pre [ Jude [ [ 2 1.1] (2 1.1) + 2 1.1] => ht = N+ (1/2 - 2/41) => 1 = 1 + p(2/41 - 2/41)