N3 [2 1] (1.10) 4/x)= 100x, +120x2 +70x3 +30x4 7 min; [0,3x, +0,1/2 +0,4x, +0,4x, =0,675.80) [0,2x, +0,1x, +0,2x, +0,3x, =0,425-800] ×70; j=1.4) 9/2 = 100x + 100x2 + 70x3 230x4 -> minj (3x, +x2+4x3+4x4 = 5400) 12x, + x2 + 2x3 + 3x4 = 3400 (3140/5400) 4+ (1021/2000) ×(+2)/1021/2000 (2123/3400)×(-1) (2123/3400) ×(+2)/1000 (01-21/600) $\begin{cases} x_1 - 2x_3 + x_4 = 2000; \\ x_2 - 2x_3 + x_4 = -600; \\ x_2 - 600; \\ x_3 - 600; \\ x_4 = -600; \\ x_5 - 600 + 2x_5 - x_4; \end{cases}$ 2 = 100 (2000 - 2x3 - x4) + 120 (-000 + 2x3 - x4) + 70x3 + 30x4 min { 2x3 + x4 ≤ 2000; -2x3 + x4 ≤ -600; Z= 200000 - 200x3 - 100x4 4 - 72000 + 240x3- 100x4+ 70x3+ + 30x4 = min: Z= 110x3 - 190x4 + 128000 = min; -2x3-x4 > 2000; 2x3-X4 > +600) X3, X47,0.

Nao N2 N. 81.17 (1.2) P= 15x1 +30v2 > Max; P-58+306-33-06+03-100 BX1+0X, 660 X2+X150; 2X1+X2 680 13x1-13=60, Y1 = 4 = 50 21+V+V5=80, 1, 12, 13, 16, 15 70; トリットンまつ (1.19) P(x)=10x,+25x3+27x,+17x5+72x +min 2x+1x+x-1x=x0; 2x1+x2+x37, 40 X2 + 2x4 + x = 7,36 X3 - X572 X6 7, 20; X5 70; J=1.6; Y3+ X5+ 2X6-4-20; 1 x 70; 5=1. 9. 9(x) = 10x, 725/03+27xu + 17x5+7x6 +0x9+ 0x8+0x9+min N2 [12] (120) y = x - 3x2 -3x3 >man; 4 = x-312-3x3+3x3 +0x5-108 2x,-1,-1,-1,-1,-1,-2; 4xe-2x+13-1,-1,-1,-2; 3x,+1,-1,-1,-1,-2; 12m1-V2+ K3 31 14x1-2x2+x3>-2 3x1+x351 X; 7,0; j=1,2,4,5,6; x320)x3 Xj70; j=1,2.

100 2 N22 (1.18, ED): Z=5x, 22, -3x, >minj
X ₂ = 1/6; X ₁ = -6; X ₃ = √9. Z30864 Z= -30 + 2% -1/3 → min;
Z= -25[>min; [x ₁ > -6; x ₃ > -6; x