



2= 1000 + 120Nz + 70x3+ 30x4 > min [ 3xe + xz + 4x3 + 4x4 = 4600; 3xe+x, 20 - X2 + 2x3 + 3x4 # 3400 bon. 3xx +xx + 4x3+4x4+4=4600 20, + 1 + 2 ×3+ 3 ×4 + 16 = 3400. FIX)=Mx5+Mx6 > min ( werdy week, dogues). x= 4600 - 3x, x2 - 4x3 - 4x4; x= 3400 - 2x4 - x2 - 2x3 - 3x4; F(x) = M (4600-3x, -x, -4x, -4x, ) +1 M (3400 -2x,-x,-25-3x, ) >nin. F(x) = (-51) R, +(-2M) x + (-6M) x3 + (-7M) x4 + (8000 M) > min. SX = -5x, -2x2-6x3-7x4. (x = 8000 - 5x, -2x2 -6x3 - 2x4) - min=3. (x4) => mbas representations 1 x5 = 4600 - 3x1 - 1/2 - 4x3 - 4x4; 1 x6 = 3400 - 2x1 - x2 - 2x3 - 3x4; My (4600:4; 3600:3) = 1133 /3; X6=> X6 Xy = 3400/3. -2/5x, -1/3 x2 -2/3 x3 -1/3/6; Togorabuu: x -8000 -5x, -2x2 - 6x3 - 2(3400/3 - 2/3x, - 1/3x - 1/3x - 1/3x - 1/3x). X5=4600-3x1-X2-4X3-4(34093-2/3x,-1/3x2-4/3x3-1/3 8) " X = 20/3 - 1/3X1+ 1/3X2 - 1/3X3+7/3X2. X5 = 2093 - 1/3x1 + 1/3x2 - 4/3x3 + 4/3x6. X4 = 3400/3 - 2/3x1 - 1/3x2 - 2/3x3 - 1/3x6. x=(1/3; -1/3; 4/3;0;0;2/3) = 200/3.

Mar 19/3 / 1/3 / - 4/3; 0; 0; 7/3) = 4/3; X = 200/3 - 1/3 X + 4/3 X - 4/3 X + 7/3 X 6. X5=200/5-1/3×1+1/3×2-4/3×3+4/3×6 x4= 3400/3 - 3/8×1 - 1/3×2 - 2/3×3 - 1/3×6. Habas repair x3: min(68 23: 13 1/3; 1133 /3: 2/3) =50. X5=> X3. Vz = 50 - 1/4 Kg + 1/4 Kg - 3/4 Kg + Kg : 13 = 10 - 1/3 x1 + 1/3 x2 - 1/3 (50 - 1/4x1 + 1/4x2 - 3/1x5 - 1/5) 1 + 2 1/3 x2 - 1/3 x1 - 1/3 x2 - 1/3 (50 - 1/4x2 + 1/4x2 - 3/4x3 + 1/6) - 1/3 x6. X = 25 - 1/4x + 1/4x - 3/4x + X6. No =1100 - 1/2x, -1/2x+1/2x-1/6 Y=(0,0,0,0,-1,-1); X=0, -ORY. PLOM. TX. 18 &g. 1 Han 1 neg. <0. x=50-1/4x - 1/4/2/ 1 = 1/00 - 1/27 - 1/2 x2 i Trogeroby . : F(x)=100x+10x+70/50-/4x+ /4x2)+30 (100=/2x+1/2x)= Yo = 3800+ 135/2 V4+ 218/02 x3 = 50- 1/4x1 + 4/4x x = 1/00 - 1/2x1 - 1/2x2. F(x) = 100.0 + 120.0+70.50 + 1/00.50