ESEMPLO ZAINO 07/11/2023

aggiornetto a 201

P21
$$\begin{cases} max \\ x \end{cases} = 8x4+7x2+12x3+8x4+9x5+3x6 \\ 4x1+2x2+3x3+9x4+2x5+7x6 \le 45 \\ x70, x | NT \end{cases}$$

$$\frac{8}{4} = \frac{7}{2} = \frac{12}{3} = \frac{9}{5} = \frac{3}{7}$$

$$2 = \frac{3.5}{4} = \frac{1}{4} = \frac{5}{4} = \frac{9}{4} = \frac{3}{4} = \frac{3}{4} = \frac{1}{4} = \frac{1}{$$

(max
$$z = 3\gamma_1 + 12\gamma_2 + 7\gamma_3 + 8\gamma_4 + 5\gamma_5 + 3\gamma_6$$

Pl

(2) $\gamma_1 + 4\gamma_2 + 2\gamma_3 + 4\gamma_4 + 5\gamma_5 + 7\gamma_6 + \gamma_7 = 45$

(2) $\gamma_2 + 2\gamma_3 + 4\gamma_4 + 5\gamma_5 + 7\gamma_6 + \gamma_7 = 45$

(2) $\gamma_3 + 2\gamma_5 + 2\gamma_5 + 3\gamma_6 + 3$

PROFONDITA

PLI 202.5

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PL3 $\begin{cases} y_2 = 0 \\ y_1 \le 22 \end{cases}$ $\begin{cases} y_1 = 22 \\ 2y_3 + 4y_4 + 5y_5 + 7y_6 + y_7 = 1 \end{cases}$ $\begin{cases} y_1 = 22 \\ 2y_3 + 4y_4 + 5y_5 + 7y_6 + y_7 = 1 \end{cases}$ $\begin{cases} y_1 = 22 \\ 2y_3 + 4y_4 + 5y_5 + 7y_6 + y_7 = 1 \end{cases}$ 2×23=201.57 = quindi si contuma YB=[220 \frac{1}{2}0000] = PL3=201.5

 $\begin{array}{c} 13 = 1 \\ 12 = 0 \\ 12 =$ 271+3/2+3/3 +4/4+5/5+7/6+/7=45 271+474+545+74+74=45-2=43 -> 444 +545+746+47=1 Xx =21 Y4= 4 => 45=46=47=0 YPL13=[21 01 \frac{1}{4} 000] Z* = 138 = 7 sv charde PL_{14} $\begin{cases} 437.2 \\ 14 \le 21 \\ 12 = 6 \end{cases}$ $\begin{cases} 437.2 \\ 14 \le 21 \\ 12 = 6 \end{cases}$ $\begin{cases} 12 = 0 \end{cases}$ 241+342+343+444+545+746+47=5 241+2(2+53)+444+545+776+77=8 211+253+444+545+746+47=45-4=41 $Y_1 = \frac{41}{2} = 20.5 = 7.453 = Y_4 = \frac{1}{5} = \frac{1}{6} = \frac{1}{5} = 0$ $Y_3 = 2 + 53 = 2$ YPL14=[41 02 0000] > INTERO ZPC14 =198,5 THON SCENDE SOTTO 198/ AVINDI SITERTIMA $\begin{array}{c} (Y_{17,22} \\ Y_{17,22} \\ Y_{37,1} \\ Y_{2} = 0 \\ Y_{1} \le 22 \end{array}$ 5 41272 4321 -743-53=1 {3=1+53 42=0 273+44445y5+746+47=45-44 2(1+53) + 444+ 545+746+ 87=1 253+444+545+716+47=-1->6<0 INAMMISSIBLE $\frac{1}{2}$ $\frac{1}$

 $2y_{1} + 3y_{2} + 2y_{3} + 4y_{4} + 5y_{5} + 7y_{6} + y_{7} = 45$ $2y_{1} + 3(1+s_{2}) + 2y_{3} + 4y_{4} + 5y_{5} + 7y_{6} + y_{7} = 45$ $2y_{1} + 3s_{2} + 2y_{3} + 4y_{4} + 5y_{5} + 7y_{6} + y_{7} = 45$ $y_{1}^{*} = \frac{42}{2} = 21 = 7 \quad s_{2} = y_{3} = y_{4} = y_{5} = y_{6} = 0 = y_{7}$ $y_{2} = 1 + s_{2} = 1$ $y_{3} = 1 + s_{3} = 1$ $y_{4} = 1 + s_{4} = 1$ $y_{5} = 1 + s_{5} = 1$ $y_{7} = 1 + s_{7} = 1$ $y_{$

SY1723

2 Y1+3 Y 2+2 Y3+4Y4+5Y5+7Y6+77=45

2-23=46745 INAMMISSIBILE