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Dual is (Solution stpes of Dual by BigM method)

```
\mathsf{MAX}\,z_y = y_1 + y_2 + y_3 + y_4 - y_5 - y_6 - y_7 - y_8 - y_9 - y_{10} - y_{11} - y_{12} - y_{13} - y_{14} - y_{15} - y_{16}
subject to
                                                                                                                               ≤ 12
      y_2
                                                                                                                               ≤ 13
           y_3
                                                                                                                               \leq 14
                                                                                                                               ≤ 21
                                                    - y<sub>9</sub>
                                                           - y<sub>10</sub> - y<sub>11</sub>
                                                                                                                               ≤ 31
                                                                               - y<sub>12</sub>
                                                                                                                               ≤ 32
      y_2
                                                                                        - y<sub>13</sub>
                                                                                                                               ≤ 34
                                                                                                  - y<sub>14</sub>
 y_1
                                                                                                                               \leq 41
                                                                                                                               \leq 42
      y_2
                                                                                                                      - y_{16} \le 43
```

Solution provided by AtoZmath.com

Any wrong solution, solution improvement, feedback then Submit Here

and $y_5, y_6, y_7, y_8, y_9, y_{10}, y_{11}, y_{12}, y_{13}, y_{14}, y_{15}, y_{16} \ge 0; y_1, y_2, y_3, y_4$ unrestricted in sign

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