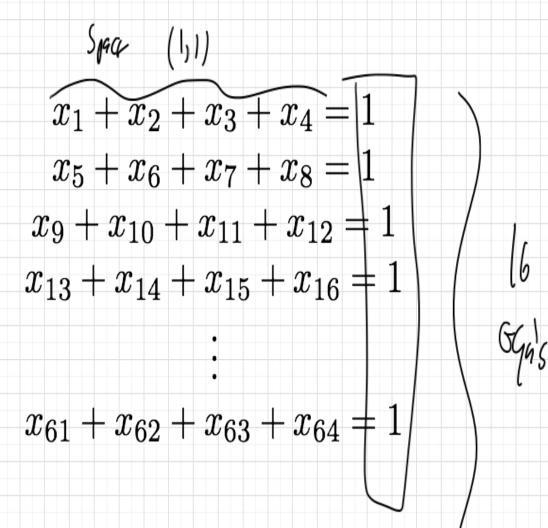
Define \underline{A}_4 and b_4 b_4 b_4

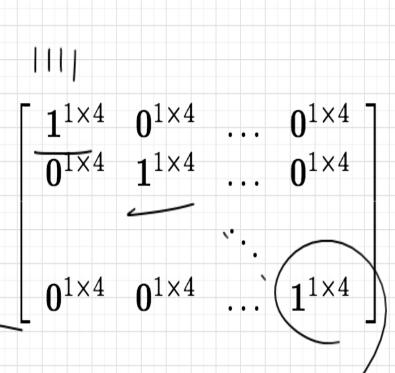
- based Rule 4.)
 -- Each Integer
 should only show
 up once 4.) in each
 space.
- Notice the pattern!

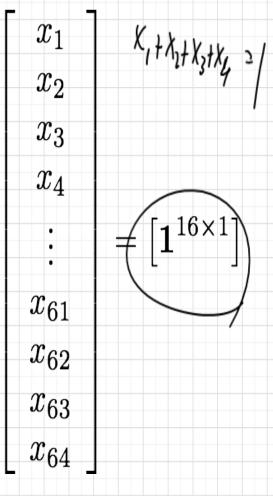


Define A₄ and b₄

- based Rule 4.)
- -- Each Integer should only show up once 4.) in each space.

Notice the pattern!





LP Relaxation

- The optimal solution will have many more 0's than 1's ($x_i = 0$

- RELAX: allow x_i to be any real number between 0 and 1 rather than a binary integer

- Maintain the rules while making as many variable zero

- Remember the Histogram!

