consider loop variant.

At the top of the loop, repartining, A is

L/V00	0001	Aoz
27	211	a12
Âzo	1 021	120

while at the bottom, it must contain

to instead of and lo instead of and Un instead of Lin.

Now, Lu=A.

Loo U00= Â00 | Loo U01= â01 | Loo U02= A02

Loo U00= â10 | Lit M01= â11 | Lit U02+Un= â12†

Loo U00= Â20 | L20 L01+U1121= â1 | L20162+
$$2$$
1 | 2 1 | 2 1 | 2 2 | 2 2 | 2 2 | 2 2 | 2 3 | 2 4 | 2 4 | 2 5 | 2 2 | 2 4 | 2 5 | 2 6 | 2 6 | 2 7 | 2 8 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 | 2 9 |

-> Solve Loo Mo1=001 for Mo1, overwriting ao1

for crowd variant. compute & O11 = 0/11 - Lio Mo1, overwiding of 11 with this Compute l21 = (221- L20401)/011 -> compute liz = a12 - 40 402 For base case = 1=1, We have the mairie A as a scalar > Lu The bordend Ly can be equated, where = a10/400, 1911 = 211 - a10/49 Let us define Coo and You as computed factor of 100 by using LU. factorization, then we have Aoot & Aoo = Loo 400, 11Aoo (28/160/16) Considering n=1 (A00 | A01) + Shoo | Sa01 | O T | O VIII) = (200 0) (U00 lho) ter LE phrn lower triangular matur, y12 ∈ ph, 2 be applori mate soln, (L+ DL) = y , | DL) < Yn/L) 2 LZ=y - Leading to soln 82 Un = 2' - Leading to soln of a