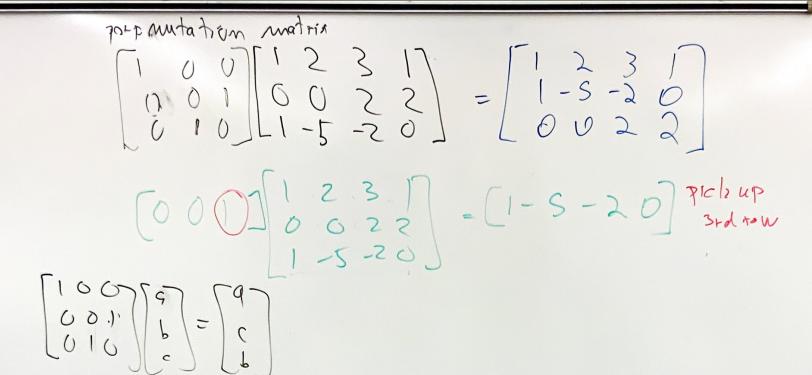


portal pivoting column j [] 2 3 1 7 3 2 5 3 1 7 3 1 2 5 2 1 7 3 1 2 5 3 1 7 3 1 2 5 3 full givoting 1° find max aim im im zi=zi step j. Pfind max a is! i = j 2. Swap tows and columns to anoue origin in to (i,i) 7° swap tows into 3º pliminate aij, 133



Definition P = [Pi] = [Pi] = [Pi] = [Pi] = 0 or and each tow has exactly one I and each column has exactly one I Observation about pattial pivoting: We do elimination on matrix PA (A with swapped rows) end up with PA = LU multipliers with I on diagonal added A after swapping rows = permuted rows how accumulate P? Pm. BPTA = Pm ... P. I same sumps of tows applied to I 1 10 1 | swap of 2 tows = 7 m ... P,

Full pivotian PA=L() 1. PAX=Pb LUX = Pb 2. Ly = Pb forward substitution

3 Ux = y back substitution

