Compressed Sporse Row (CSR) Format repealed ? Coo-Format 10035 5 3 8 - In-nt-double ->CSR: save all col-ids, only save now phrs sove all values global variables local variables -> row phs (n-rows +1 int) -> h_rows (1 int) ->n-coly (lint) \rightarrow col-7ds (n-nz)(ht)-7 n-nz (1int) -> values (n-nz-darble) if size of (int) = size of Waste) = 8 Byle total size = (3+ n-rows+1 + 2·n-nz). 8 Byde 2020 10 16 0 5 cols N-12=12 1 2 3 4 5 6 7 8 9 10 11 - 2 - - - 6 - - 9 - 11 12 3 0 1 2 3 0 3 4 2 3 4 Len-by Col-id 0 12234255817101614 Vál 1 st 1.

Metrx-Vector Product:

nz_start = IP[;]

NZ-end = IP[;+1]

for nz-id = nz-start: nz-end

161 = V [n2-id]

C[i] = c[i] + val . b[i]

j=J[ng_id]

for i=0: nerous

c [] = 0

for i= 0: n_rows

lnd