Lort Clan

-) MF for clustering
- 2) Non negative MF
- 3) Building a Rec Sys with multiple data matrices

i = m = movie

$$n_{N} = 10$$

$$n_{N} = 1000$$

$$n_{i} = 500$$

Total 9: parami = 500 × 100 = 50,000 001=100 Tital pu porans = (000×100 = 1,00,000 movie vector (common denne perspection) 15 _ romane is - outin merie least mail diretor Holan (50 ر ح 2,0 MAN MAN NAN 7 D. S 71, = [3.5, NAN, NAN, 7

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Pur Puz Similar S B med dxm DE row; marketen of wid; mXY

d-dim reprendation of hvy representation of wad mage 1 B/W C Sinks 100 Coloms rows

RGB image (colw)Coppay Scale

1,000,000 = m [you 1, you 2, you 3, , , , , 64x64 => 1 x 6 x 2 2= VXC = 642 = 4096 1X4096 Neeta 2 img 1 - >> 1 m y ~

4016 000,000 flattend Trown, 7022, 700 3, ~ ~] 0719 1 hr g matix nxd

12 - M M e,)) ^ 1) 3

X NXY -> X mx x $\frac{1}{2}$ A=662 -4096 C=1024 1,000,000 1026

-) 102 ¢ YOV 1 37 X 3 2 32X3L 64×64 32×32 G4X64