Mem design

Mem Array Flach

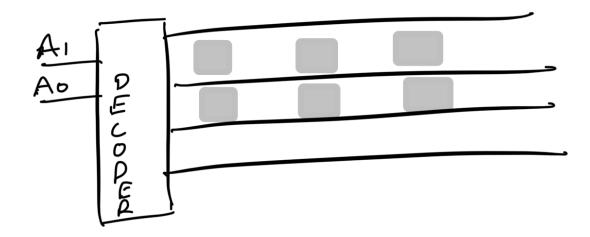
Men Org

NXM men block

M# of words

W # of words

Size -> reed N Selection lines to addr all locations issue: For large men array as Selections # = # of Men locations Eg IMb men would reed 2° #8 Select lines Soln Decoder Los Addr Levoder to reduce the # Oselect lives drawn from .. IMb men reed 20g (220) = 20



F -> Feature Size

Min area to represent 1 bit = 150 t where F stands for feature size which is nething but to tech node

Eg mingizein 150x190x40 =12,15,000 x10'8

FLASH

Read dat - path coxes sec. de the Peaiphent chity Time 019 Sense Amp Ene-charge Lines Lines Lines SRAM cello: Mem Away.

Pre-charge det using 2 PMOS devices.

Selected based on: - Voltage requirements
- mem arch