

COULOMB REPULSION BLOCKS SUBSEQUENT INJECTION.

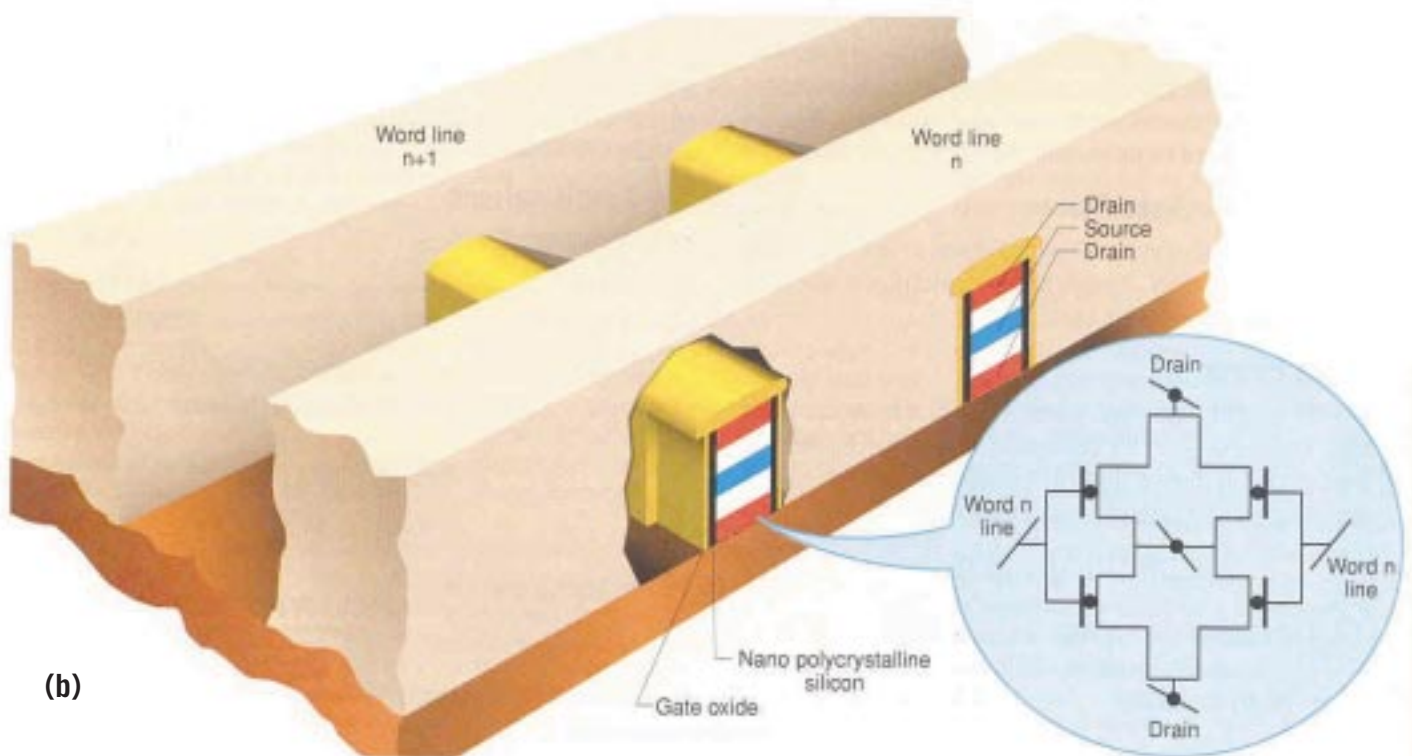


Figure 5--Single- or few-electron memories exploit quantum-hole trapping and resultant Coulomb forces (a). Hitachi's 128-Mbit prototype room-temperature SEM stores 2 bits in each cell structure (b, courtesy Hitachi).