Kittel TP 6.2. With E= ut & midling Gibb's distribution $f(\mu-\xi) = \frac{1}{\exp[-\xi/\Upsilon] + 1}$ = exp[8/7] exp[H7]+1 $= 1 - \frac{1}{\exp[\delta(\tau)] + 1} = 1 - f(\epsilon).$ PND [above Fermi level is occupied] = Prob [orbital & below. Fermi level is vacant] Davidson Cheny 1-4,2024.