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HW5: q a = 2(ln Bo) = 2(ln Bx)
Rayleigh - Jeans: \cdot B_D(T) \sim 2hU^3 \sim 2hU^2T = \ln (bv) = \ln (2hU^2T)

= \ln (Bv) = 2\ln v + \ln (2hT) = 2\ln (Bv) = 2 \qquad [2h(v) + \ln (2hT)]
 =10=2 =1 BU ~U2
· By (T)~ 2hc2 1 = 2kc2 1
75 ehc/7hr_1 = 2kc2 1
                                                       2chT
= 2 (ln bx) = 2[ln (2chT)+ln(x-4)] = 2 [ln(2chT)-4ln(x)] = -4=1 bx
             2 Pm (X)
  allm ?)
b, Upk Apk = c 1 0.2898. 5.879.10" T=c =) 1.704.10" cm + c
C) TB= stuff x FD; Fb= 202 hT, TT Omb; Q= TT Omb (HW2)
JFU = I 0 2 mb la T D2 -) To = C2 FU C2 ln 2 / TO2 mok
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