Bohr radius g=KL an = 471 Eotho = 0 - 529 R = when

S=
$$\frac{1}{9}$$
 $\Gamma = \frac{1}{9}$ $\frac{\Gamma}{9}$ $\frac{\Gamma}{9}$

 $|\gamma(3)| = -\frac{8}{5} C_{j} \delta^{j} | \text{ Tunction equation}$ Lo # 0 2(5) = C Roy = [e-Sgrat] >(8)] entire thing is 0 Rne = + [e-d] Co $R_{10} = \frac{1}{7} \left[e^{-3} \right] C_0 = \frac{C_0}{a} e^{-r/a}$ 190 1141 dn=1 to Slujár= Stor | R|2 2 dr = 1 = Co de 2 dr = 1

$$R_{10} = \frac{C_0}{2} e^{-\frac{7}{2}}$$

$$R_{10} = \frac{2}{2\sqrt{2}} e^{-\frac{7}{2}}$$

$$V_{(100)} = R_{10} Y_0^0$$

$$V_{(100)} = \frac{6}{2\sqrt{2}} e^{-\frac{7}{2}}$$

$$V_{(100)} = \frac{1}{\sqrt{12^3}} e^{-\frac{7}{2}}$$