i) K(4,4;t) = <4/2 |4,5<4/1 einth 14:>= = 5 4: (6) e-iE+1+ 4:(6) N=- 100 (H, L)=0=> => 4 = e / smes K (4,4,+)= = Zexp[iller-lei] exp(: tilt 2) K' (Pr, 4: 1) = < Pr | eikat | 4) = [ D4 exp(-it/2) = ( it/2) =  $K'(q,q,t) = \int Q'(\frac{\Delta t}{2}) = 0$   $V'(q,q,t) = \int Q'(\frac{\Delta t}{2}) = 0$   $V'(\frac{\Delta t}{2}) = 0$ = Just Sexp [- tame? (4,-4, +2TIn)] # 3) K(4, 4, +) = HAMMY Seiller-4) Seiller-4) Seiller-4) Commerce (44) = 20 (Seitat ) = (Se exp(i mer (Se estrict) - 11Se)) =

= The mer Sexp (i mer x2 - ilx) dx = = = = Ell(4.4) exp[-ihl2]

(K' = K)

Nz

$$|\psi_{0}\rangle = \frac{1}{6}(|\psi_{0}\rangle + |\psi_{0}\rangle)$$

$$|\psi_{0}\rangle = \frac{1}{6}(|\psi_{0}\rangle + |\psi_{0}\rangle + |\psi_{0}\rangle + |\psi_{0}\rangle + |\psi_{0}\rangle + |\psi_{0}\rangle + |\psi_{0}\rangle + |\psi_{0}$$

+ [(E0+DE) (a,-a) (4)

ananoranno:

it 
$$\frac{\partial}{\partial t}$$
 ar  $= -\frac{\Delta E}{2}$  ar  $= -\frac{\Delta E}{$ 

T. V when Ammon makeur Tynk. Torriso le cocegnico very 13

if 
$$\frac{gf}{g} = \begin{pmatrix} 0 & \frac{5}{\sqrt{4}} & 0 & 0 \\ 0 & \frac{5}{\sqrt{4}} & 0 & 0 \\ 0 & \frac{5}{\sqrt{4}} & 0 & 0 \\ 0 & \frac{5}{\sqrt{4}} & 0 & 0 \end{pmatrix}$$

$$\approx \frac{1}{2\pi} \int_{-\infty}^{\infty} \exp\left[ik_{n} - \Delta E + \Delta E k^{2}\right] = \exp\left[-\Delta E + \frac{\kappa^{2}}{20E}\right] \sqrt{1-\kappa}$$