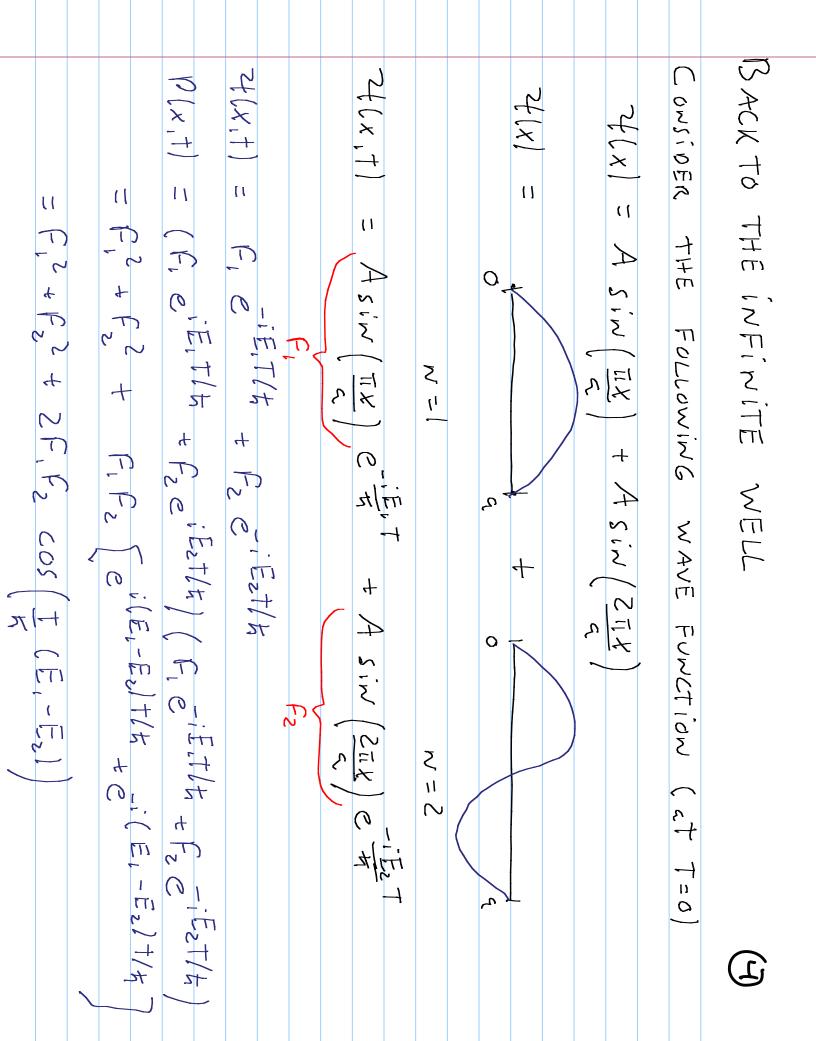
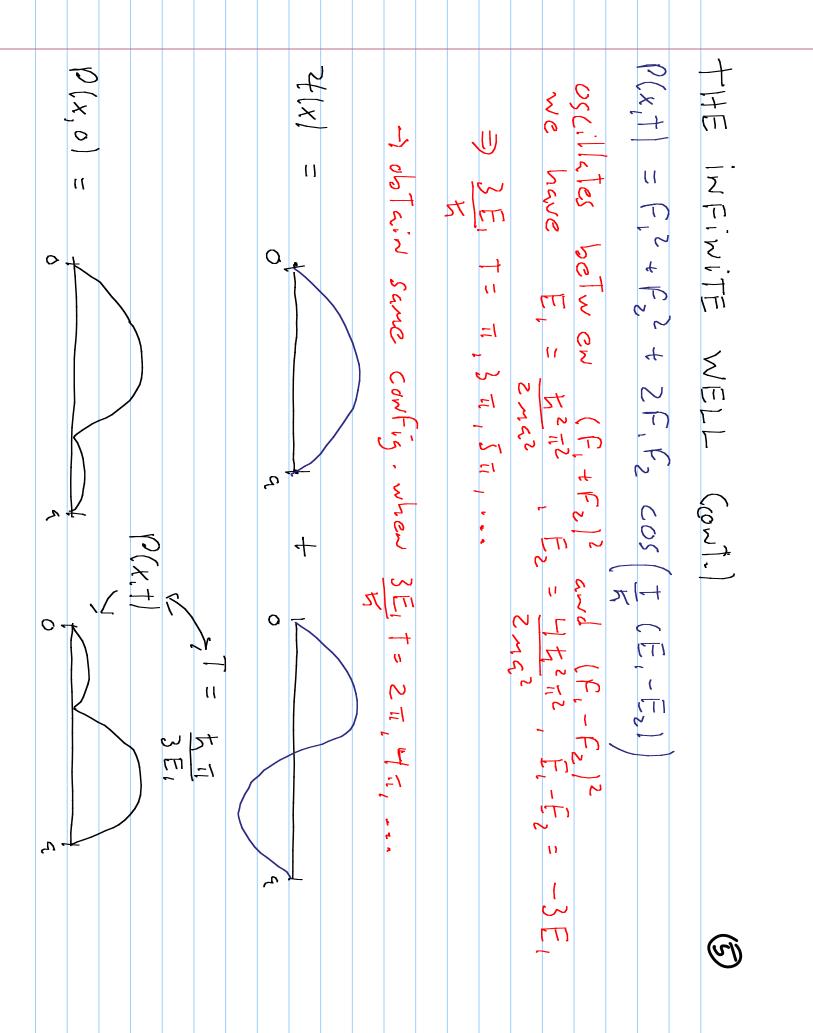
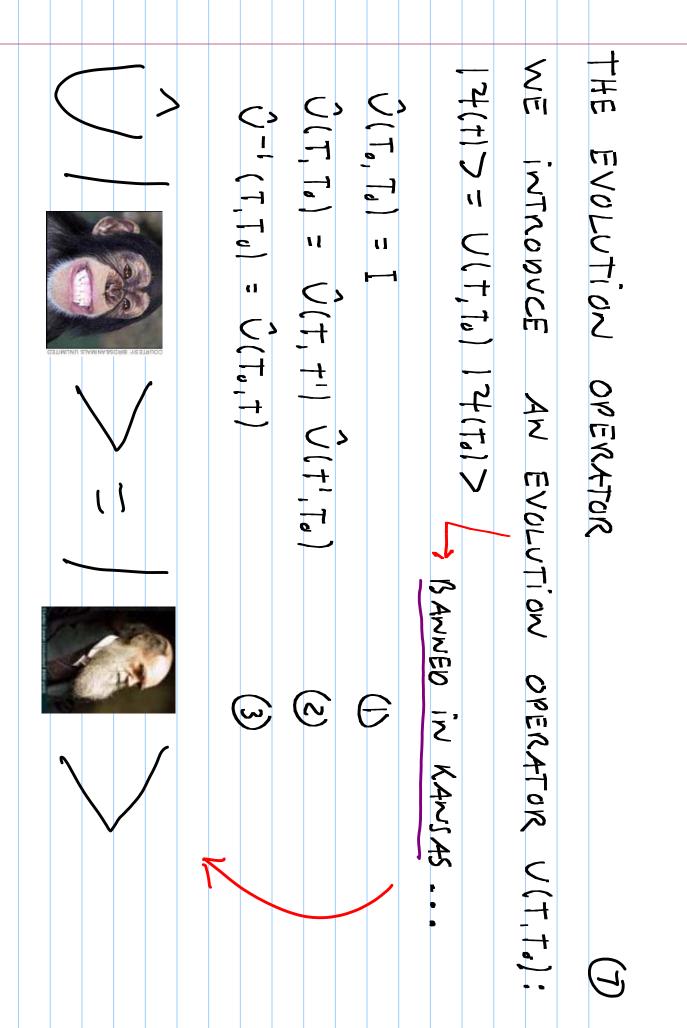
$A_{N} = e_{X_{P}} (iET_{a}/t) \left( \frac{1}{t_{n}} (x) \frac{1}{t_{n}} (x) \frac{1}{t_{n}} (x) \frac{1}{t_{n}} dx \right)$ $\mathcal{A}_{N} = e_{X_{P}} (iET_{a}/t) \left( \frac{1}{t_{n}} (x) \frac{1}{t_{n}} (x) \frac{1}{t_{n}} dx \right)$ $\mathcal{A}_{N} = e_{X_{P}} (iET_{a}/t) \left( \frac{1}{t_{n}} (x) \frac{1}{t_{n}} \frac{1}{t_{n}} dx \right)$ $\mathcal{A}_{N} = e_{X_{P}} (iET_{a}/t) \left( \frac{1}{t_{n}} (x) \frac{1}{t_{n}} \frac{1}{t_{n}} \frac{1}{t_{n}} dx \right)$ $\mathcal{A}_{N} = e_{X_{P}} (iET_{a}/t) \left( \frac{1}{t_{n}} (x) \frac{1}{t_{n}} 1$	IF WE KNOW THE WAVE FUNCTION 7 AT A PARTICULAR TIME To, WO CAN BETERMINE 7 FOR ALL VALUES OFT:	uld rewrite 24(x,t) =	WE HAVE $\mathcal{H}(x) = \mathcal{L}(x) + \mathcal{L}(x) = \mathcal{L}(x) + \mathcal{L}(x$	(5) or	SENERAL SOLUTION FOR A TIME INDEP. POTENTIAL (2) WE CAN THAT WE CAMP EXPRESS 2(x+) = 2(x)F(+)

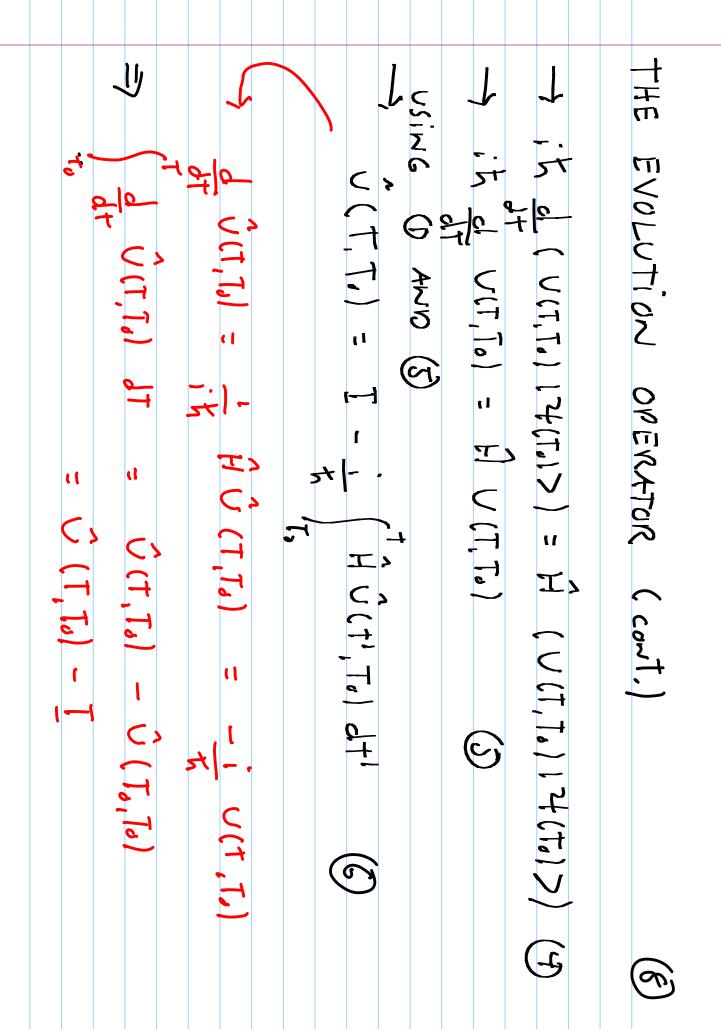
A TITE INDEP. POTENTIAL (3) = E An Zulx exp(-iEt/4) exp[-i(En-En)t/4] Zulx Zulx An An exp[-iI(En-En)] Zulx Zulx for have no Time dep. AE, the faster the probability dependent, physical quantities a depend on time. Show however s not depend on time (exercise).
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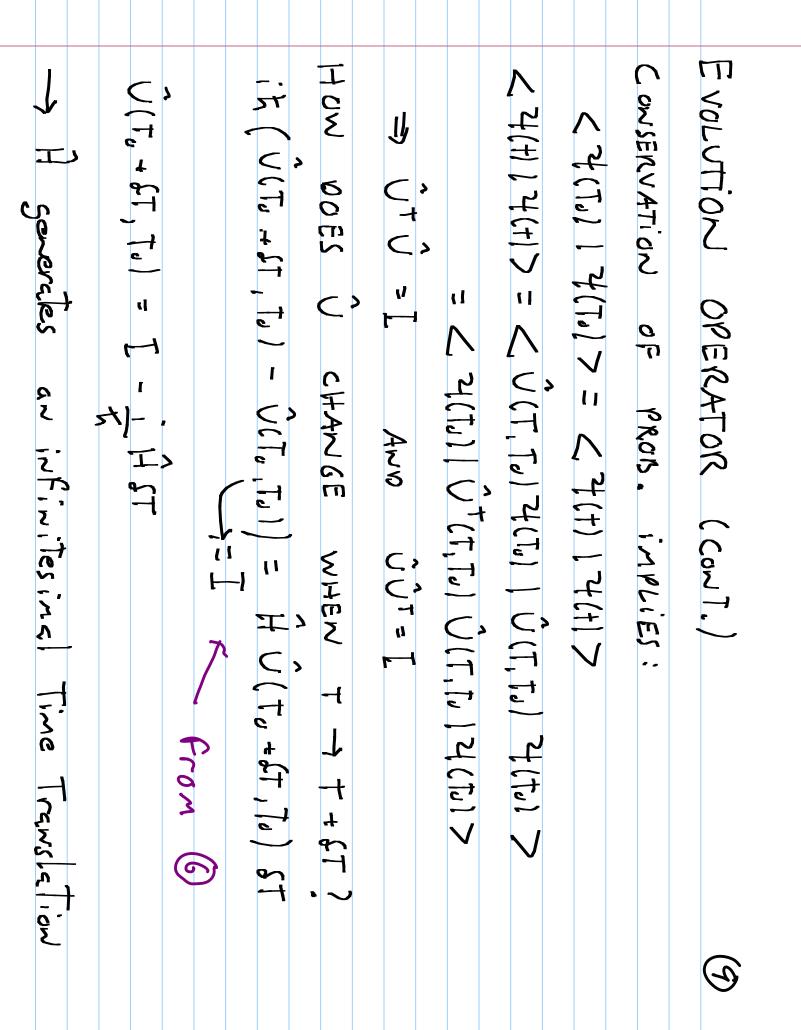


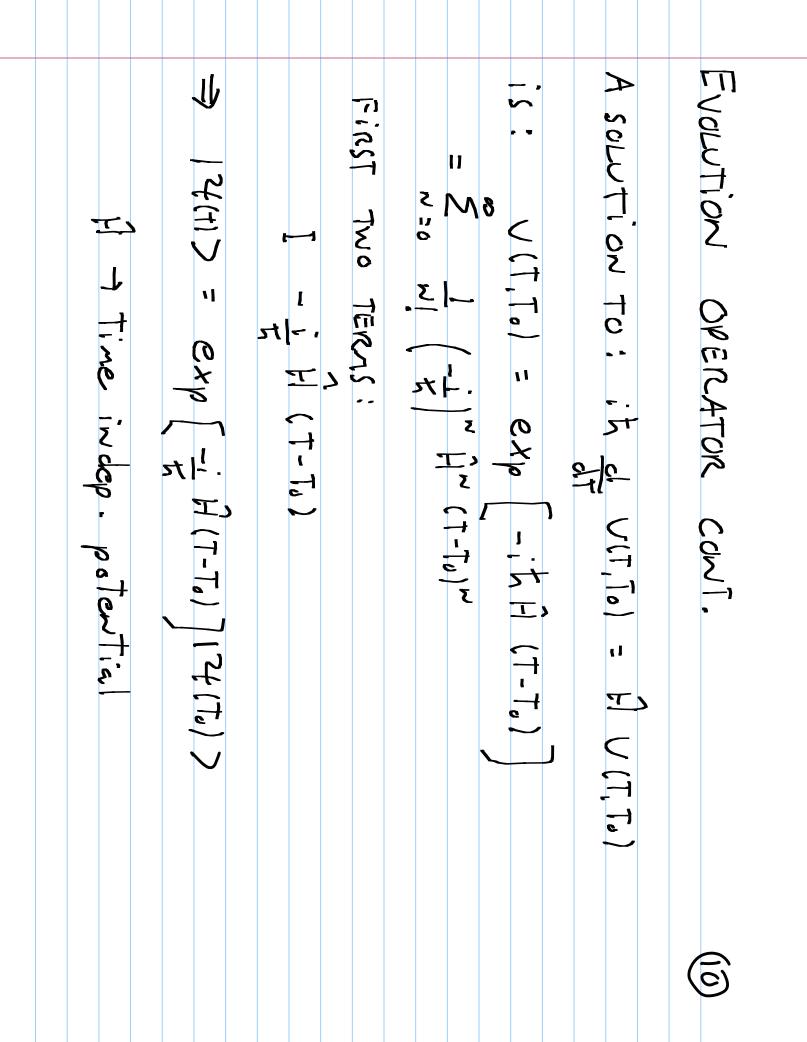


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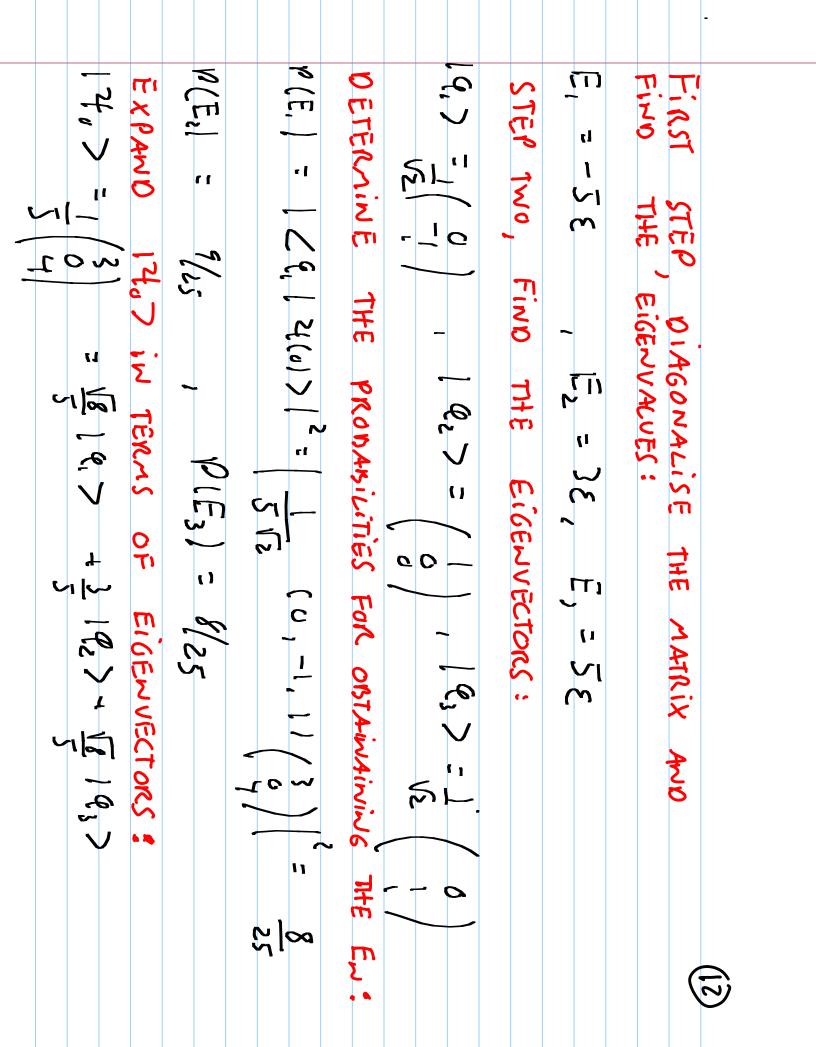


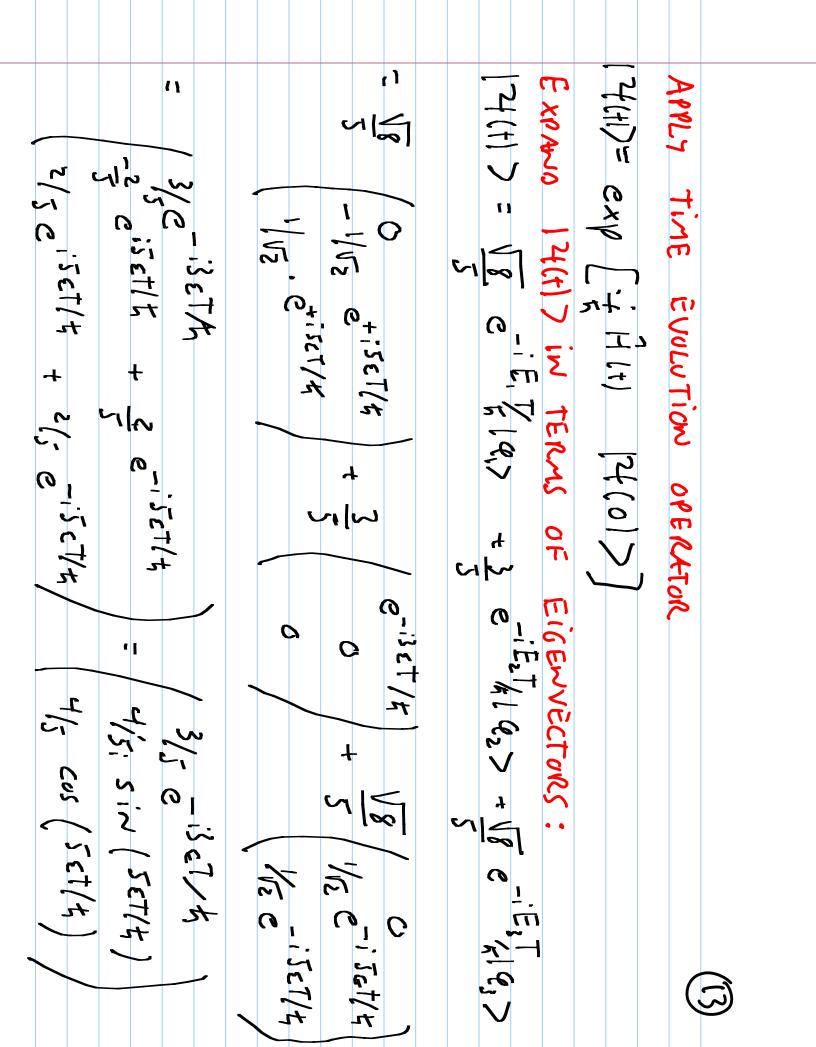


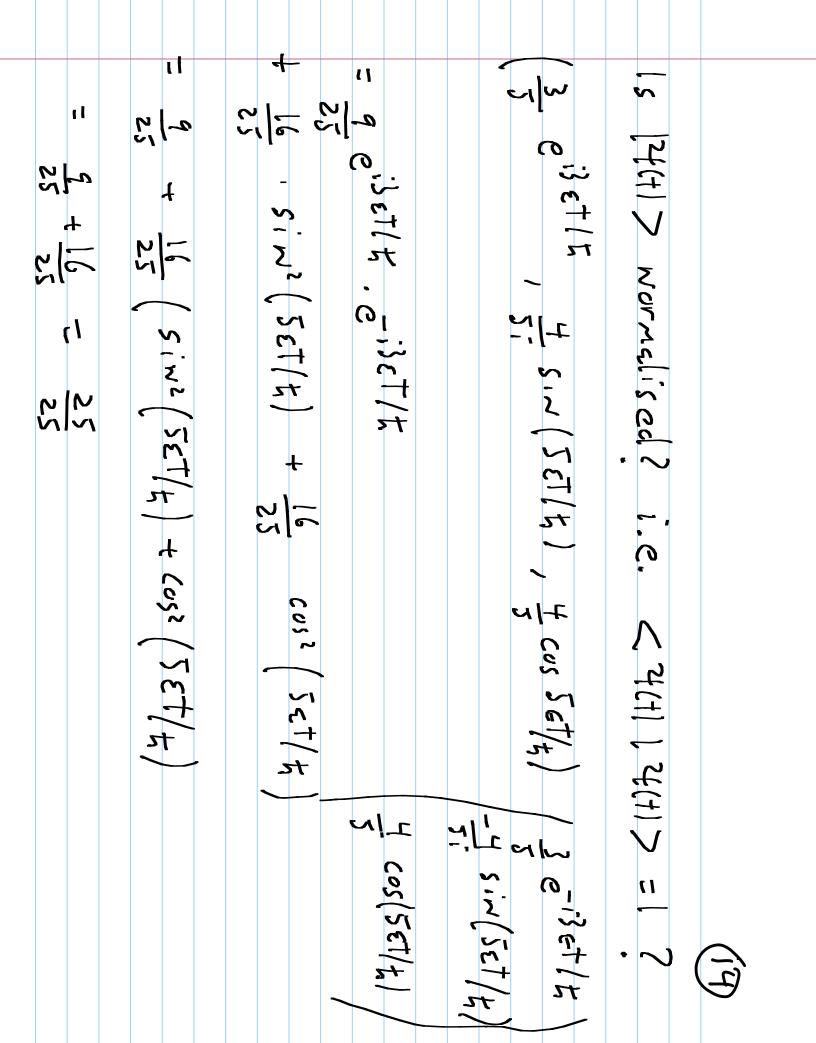


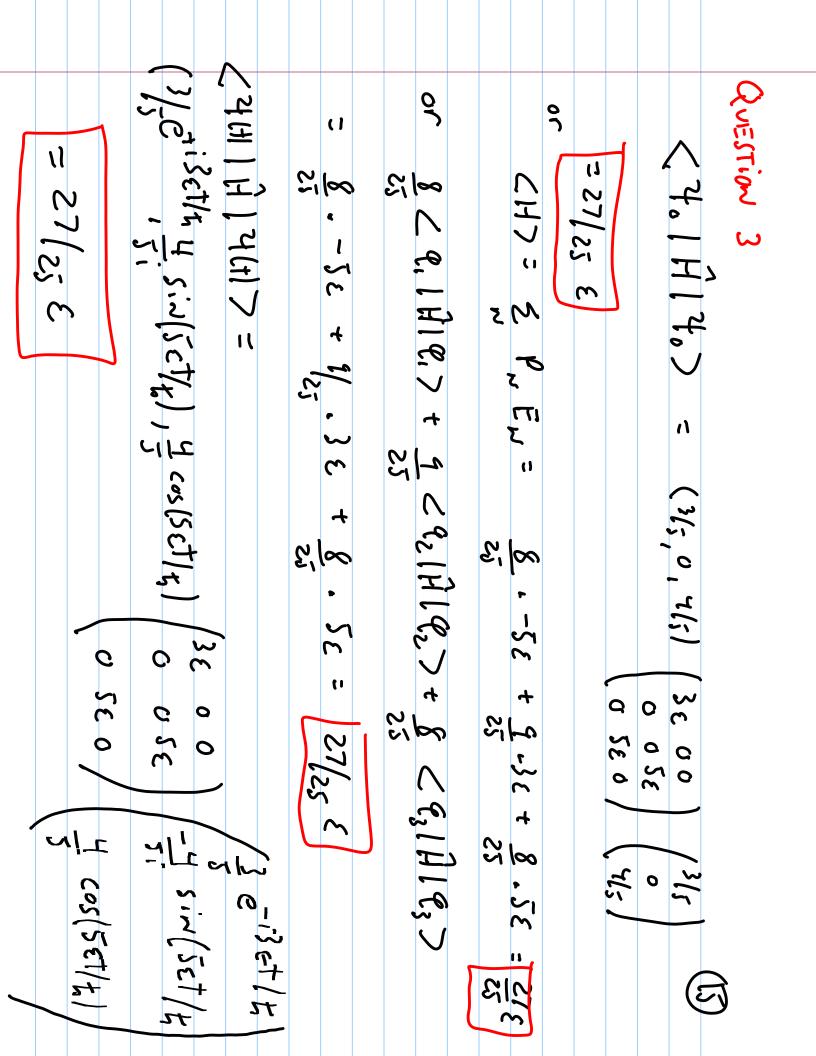


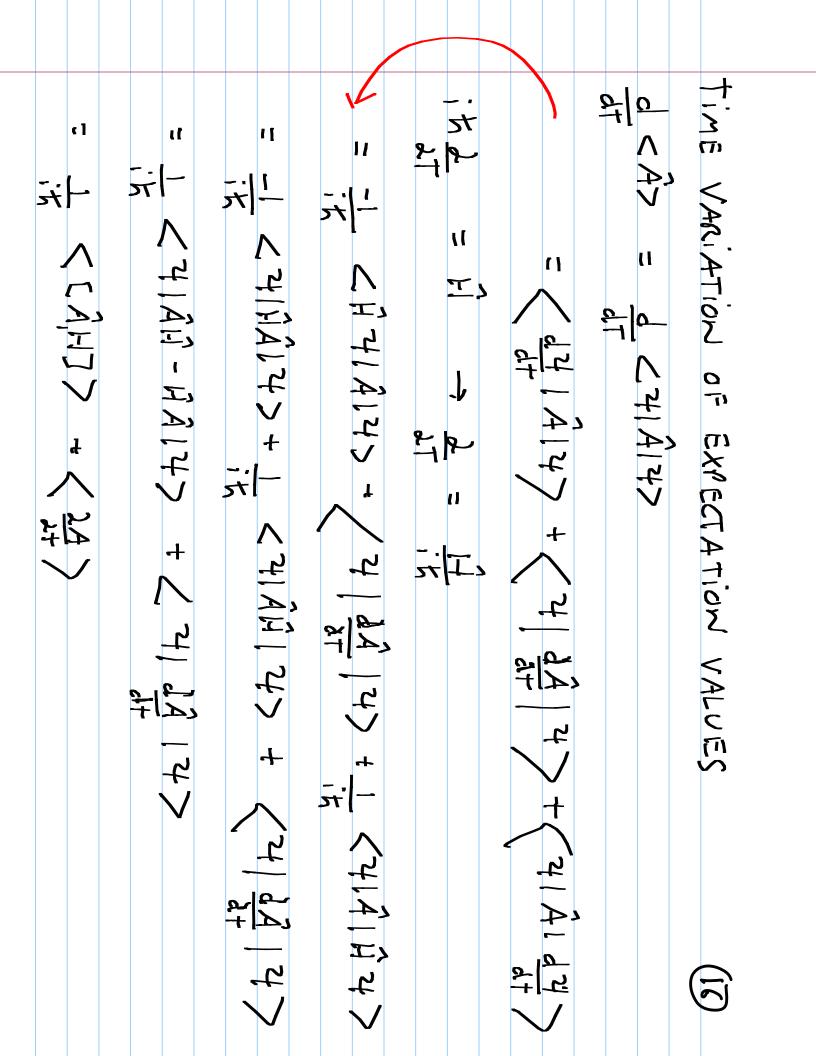
1- FIND WHAT VALVES CAN BE REASURED FOR
THE EWENGY AND WITH WHAT PROBABILITIES.
2- FIND 14(+17 AND EXPAND IN TERMS OF
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(SOLUTION ON BLACKBOARD, PARTS OF THE SOLUTIONS FOLLOW)

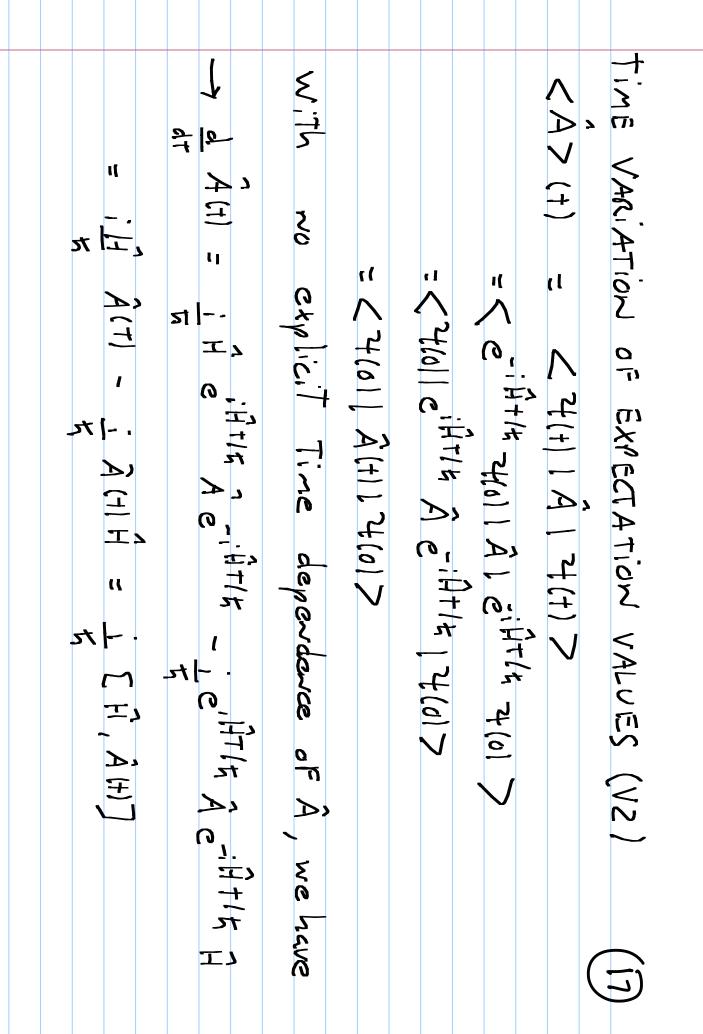












Schrödinger And Heisenberg Pictures (3) Schrödinger Picture: Time - DEP wave Function THAT SATISFIES Schrödingers EQUATION GET 74(t) FROM 74(d) USING; 24(t) = U(T, 1, 1, 4(T, 1) HEISENDERG PICTURE: MH = Mo = $U^T(T, T_n)$ 4(t) = $U(T_n, t)$ 4(t) = $4(d)$ WE put THE TIME EVOLUTION IN THE OPERATOR: A <sub>14</sub> (t) = $U^T(T, T_n)$ Â $U(T, T_n)$ = $U(T_n, T)$ Â $U(T_n, t)$										
	= V <sup>†</sup> (Τ,Τ,	PUT THE TIME EVOL	✓'(T,T₀) Ҷ(t) = ∨(T₀,t) Ҷ(t) =	וו ליו א	HEISEWBERG PICTURE :	いいん: そけ こ	WAVE FUNCTION THAT SATISFIES	SCHRÖDINGER PICTURE:	AND HEISENBERG PICTURES	