

12M = 22M FTX 22M(k,t) = 2(-12) M(k,t) (iv) (8t) = A(8) = 18ct N = - C282 W BY CONVOLUTION THEOREM: OF CONTRACT. $\vec{u}(x,t) = A(x) \vec{w} * |FT[e^{ikct}] + B(x) * |FT[e^{iikct}]$ $|FT[e^{\pm i\Re ct}] = \frac{1}{2\pi} \int_{M}^{\infty} e^{\pm i\Re ct} e^{i\Re x} d\ell = \frac{1}{2\pi} \int_{M}^{\infty} e^{-i\Re ct} d\ell = \frac{1}{2\pi} \int_{M}^{\infty} e$ [ISHALLOW UNDERSTANDING HERE = SXX+XX+XXX $L = J(ct \pm \infty)$ = A(ct+x) + B(ct-x)u(x,t=0) = f(x) = A(0+x) + B(0-x)24(x(t=0)=0 we had give I DON'T CERE HOW TO PROCEED

- Solon (CIMIT PETIN ITIEN " FORMAL LIMIT PETIN ITIEN "