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$$=\frac{1}{2^{N}}\left[\frac{col(col)}{(n-1)} - \frac{col(col)}{(n-1)}\right]_{0}$$

$$=\frac{1}{2^{N}}\left(\frac{col(col)}{(n-1)} - \frac{col(col)}{(n-1)} - \frac{1}{(n-1)} + \frac{1}{(n-1)}\right]_{0}$$

$$= \frac{1}{2\pi(n)(n)} \left(\frac{(-1)^n}{(n+1)} - \frac{(-1)^n}{(n+1)} - \frac{L}{(n+1)} + \frac{L}{(n+1)} \right)$$

$$= \frac{1}{2\pi(n)(n+1)} \left(\frac{(-1)^n}{(n+1)} + \frac{(-1)^n}{(n+1)} - \frac{L}{(n+1)} + \frac{L}{(n+1)} + \frac{L}{(n+1)} \right)$$

$$= \frac{1}{2\pi!} \left(\left(-\left[\frac{1}{2} \int_{A} h + (-1)^{3} - \frac{1}{2} \int_{A}^{2} h + (-1)^{3} + h - 1 \right] + h - 1 \right)$$

$$= \frac{1}{4\pi} \left(\left(-1^{3} - 2 \right) \right)$$

$$= \frac{1}{4\pi} \left(\left(-1^{3} - 1 \right) + h - 1 \right)$$

$$\begin{aligned} & u_{\uparrow}(x,t) : \mathcal{C}_{\bullet}^{\bullet}(u_{X}(x,t)) & + 20 & \times \mathbb{C}[0,T] \\ & u_{\downarrow}(x,t) : \mathcal{C}_{\bullet}^{\bullet}(u_{X}(t)) : \mathcal{C}_{\bullet}^{\bullet} & + 20 & \times \mathbb{C}[0,T] \end{aligned}$$

FCO=
$$\frac{1}{S^{1}+2S+47}$$

$$= \frac{1}{(S+1)^{2}+4^{2}}$$

$$\Rightarrow S(4) = e^{-\frac{1}{2}} \frac{\sin(47)}{4}$$

Oppu 2

Vi send de spor om Fairie Series, alts: fry, so vi må su hvi den er "Sead" at "Sall".

Her så spor de iden i broke de sposifishe funden de vi Firme Cey, og hest i foodende og broke sin og av rythere. Den er også ille uder

$$\begin{aligned} & \text{Frest} &= |K \times \\ & - \frac{1}{17} \int_{-1}^{17} (|K \times x|^{-1/4}) = \frac{1}{17} \int_{-1}^{17} \int_{-1}^{17} \left| \frac{1}{17} \int_{17}^{17} \left| \frac{1}{17} \int_{-1}^{17} \left| \frac{1}{17} \int_{17}^{17} \left| \frac{1}{17} \int_{-1}^{17} \left| \frac{1}{17} \int_{17}^{17} \left| \frac{1}{17} \int_{-1}^{17} \left| \frac{1}{17} \int_{-1}^{17} \left| \frac{1}{17} \int_{-1}^{17} \left| \frac{1}{17} \int_{-1}^{17} \left| \frac{1}{17} \int_{-1}^{17}$$

c) Her her de en Ruhsson pi 5 og mi spalle den opo og få til en formel pi t

FCS=
$$\frac{1}{S^{1}+2s+17}$$
= $\frac{1}{(S+1)^{2}+4^{2}}$
=> $f(t) = e^{-t} \frac{\sin(4t)}{4}$

Oppu 2

(4) Vi sent de spor om Fanic series, altsi fr, so vi mà se hur den e "ener" de "oel".

He so spor de i'un i bruh de spesifilhe funden
si vi firme (en, og hist i forbete og bruh
sir og as sylve. Den er ogsi i'the alle

From = |KX |

$$\frac{1}{27} \int_{-7}^{7} (lkx) e^{-ikx} = \frac{1}{27} \left[\int_{-7}^{7} e^{-ikx} + \int_{-7}^{7} x e^{-ikx} \right] = \frac{1}{27} \left[\int_{-6x}^{6x} \frac{1}{4} + \frac{x e^{-ikx}}{-ik} \right] - \int_{-7}^{7} \frac{e^{-ikx}}{-ik}$$

$$= \frac{1}{127} \left[\frac{e^{-ikx}}{e^{-ik}} \right]_{-7}^{7} + \frac{x e^{-ikx}}{ik} - \frac{e^{-ikx}}{ik} - \frac{e^{-ikx}}{ik} - \frac{e^{-ikx}}{ik} + \frac{e^{-ikx}}{ik} - \frac{e^{-ikx}}{ik} - \frac{e^{-ikx}}{ik} + \frac{e^{-ikx}}{ik} - \frac{e^{-ikx}}{ik} + \frac{e^{-ikx}}{ik} - \frac{e^{-$$