Schwartz 3-5a)
$$d = -\frac{1}{2} \phi \Box \phi + \frac{1}{2} m^2 \phi^2 - \frac{1}{4!} \phi^4$$
Integrals by parts:
$$d = \frac{1}{2} (2\pi 1/6 + 1) + \frac{1}{2} m^2 \phi^2 - \frac{1}{4!} \phi^4$$

$$d = \frac{1}{2} e^4 = \Box d + \frac{1}{2} e^3 = 0$$

$$arsols: d = c, then
$$\frac{1}{2} \phi^{1/2} = m^2 \phi,$$

$$d = \pm \int_{-\infty}^{\infty} m. (an)! d = -\int_{-\infty}^{\infty} m.$$

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1 = = 2 out out + 1 m2 42 - 2 44 = 1 dua dutit + m2 [cta]2 - 2 [cta]4 $\frac{Jf}{J\pi} = m^2 \left[c + \pi \right] - \frac{\Lambda}{6} \left[c + \pi \right]^3.$ EKM: DTI-mi[c+T]+ 1 [c+T]=0. TT=0 Satisfies this eq with c= + Jam PATER SCENE V - 1 10 01/2000 " VIEZ - 12 84 4 " X 8 84 \$ 1 V 1 (, 8 L) was the 21 to be often something the rose 3.12,2024