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01 (2 Fee O star O so 3 S)

1 Seco 39.

1 1000 dd.

1 Sin 0-4 C.

Ser VI-en du.

set,

a=1 and u=en. 1 6.1.0000

So,

u= asint

Jen z Sinn

=> endu = Cooddo.

theresie,

J-V1-(en)2. endn=J-V1-Sin2A ConOdo

= JUC-20 COODE [: Sin'0+Cos'0=1

=> Co20 = 1 - Sind

$$=\frac{1}{2}\int\left(1+\cos2\theta\right)d\theta.$$

$$=\frac{1}{2}\left(\theta+\frac{1}{2}\sin 2\theta\right)+C.$$

$$= \frac{\theta}{2} + \frac{1}{4} \sin 2\theta + C.$$

$$z\frac{\theta}{2}+\frac{1}{4}(2\sin\theta\cos\theta)+C.$$

$$= \frac{\theta}{2} + \frac{1}{2} \sin\theta \cos\theta + C.$$

=
$$\frac{\sin^{-1}e^{x}}{2} + \frac{1}{2} (en) (\sqrt{1-e^{2n}}) + C$$

$$L'.'Sin\theta = e^n \Rightarrow \theta = Sin-(e^n)$$

$$Cos\theta = \sqrt{1 - e^{2n}}$$

= Sin-1(en)+en/1-en +C. Ab (8500 /Am) } 1 (cit (0, 28) d.s. 1 (1+ = 50,29) + P 9 + 1 sin20+0. 91 (28,0C3) +C. 9 1 - 1 - Sind Cod + 10. 91 (3517) (49) 1, 201-62 L. Shirker