

18 the Sum previous & loims Libonacci 20 H

Binet's formula -> Derive

$$a=1 \quad b=-1 \quad c=1 \quad \text{ext} \quad \chi^2-\chi-1=0 \qquad \text{solution } \quad \text{gray this ext}$$

$$a\chi^2+b\chi+c=0 \qquad -b \pm \sqrt{b^2-4ac}$$

$$2a$$

$$-(-1) \pm \sqrt{-y^2-4(1)(-1)}$$

$$2(y)$$

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$$2(y)$$

$$y \text{ for abv}$$

$$y \text{ extraction}$$

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$$2a$$

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I am royeng to calculate or (31 2⁻¹ 3⁻¹ 1, sm 7 20, 1, 1, 2, 3, 5, 8, 13, 21, 31 · イーオート=0 = A+ 6 $= \chi(\chi + 1)$ $= \chi^2 + \chi$ a) 92 + 3 6) 31 + 2 / = 22+1 C) 21 +2 $\frac{\chi^{4}}{\chi^{4}} = \chi(\chi^{3}) = \chi(\chi_{1}) = \chi(\chi_{1}) = \chi(\chi_{1}) + \chi = 3\chi + 2$ d) None $\chi^{5} = \chi(\chi) = \chi(3\chi + 2) \rightarrow 3\chi^{2} + 2\chi$ = 3(11) + 21 = 31+3+21 25 = 5 x +3 16 = 8x + 5 / 29 = 131 × 8

By above equation, for any value
$$\underline{n}$$
.

$$\lambda^2 = \int_{-\infty}^{\infty} x + \int_{-\infty}^{\infty} x +$$

$$f_{n} = \frac{2^{n} - \beta^{n}}{2\beta}$$

$$f_{n} = \frac{1 + \sqrt{5}}{2\beta} - \frac{1 - \sqrt{5}}{2\beta}$$

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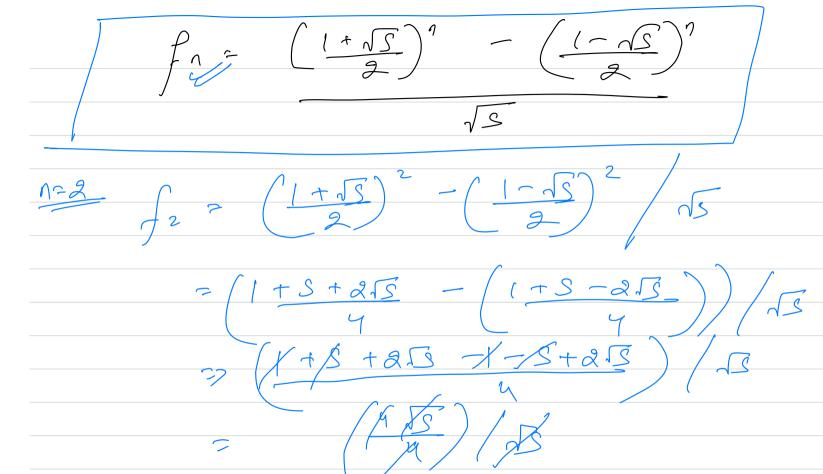
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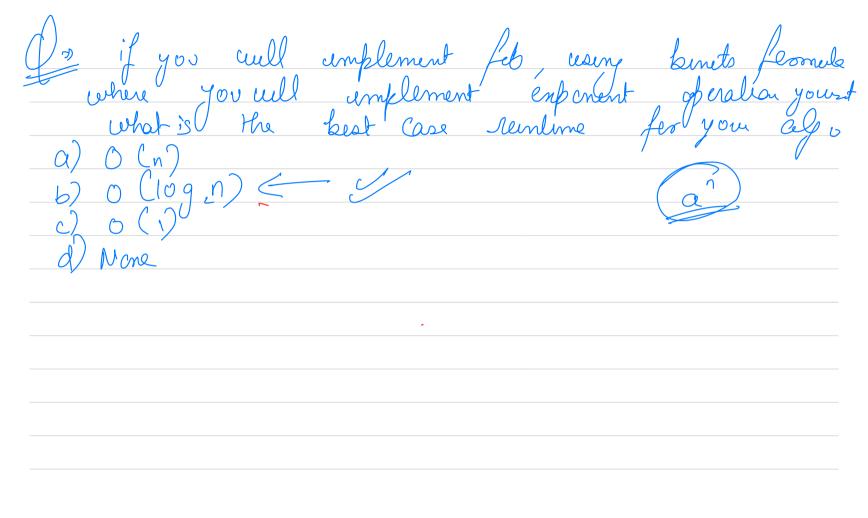
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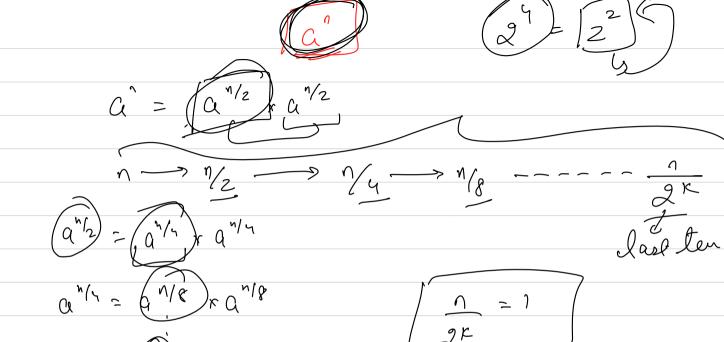
$$f_{n} = \frac{1 + \sqrt{5}}{2\beta} - \frac{1 + \sqrt$$

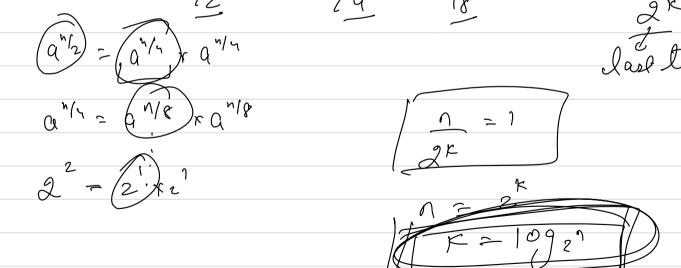
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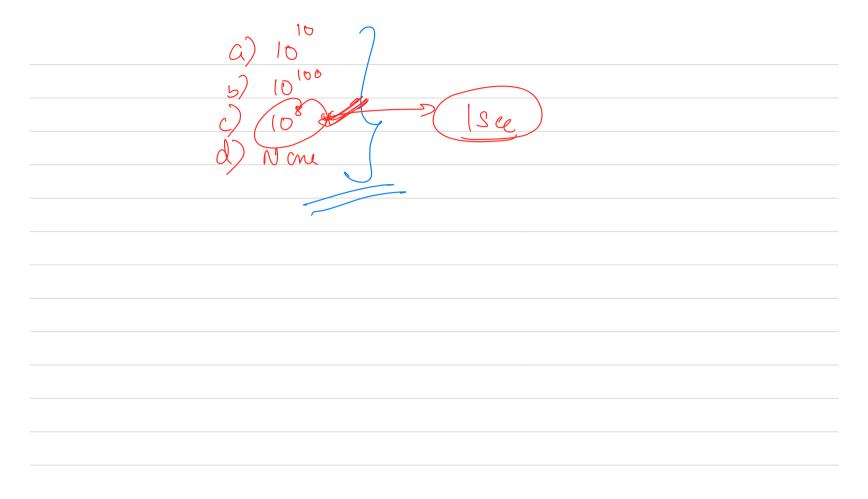


+35(1+13) - (1-51-315) 1+55 +35 -5 5+37

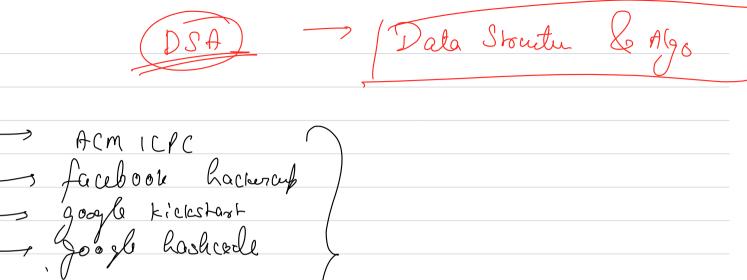








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Cotal animal octd
animal bouchy grown - (1/4) > floor animal not buely ground -> C+d- (2/4) ->1 La me situalier to be toen (do) 3 2 cats atman how may animals can be men cuhoos feet don't 10 uch 2 d C>2*d rem be gocala they c

