

Magagine 26 (Suite et file)

$$f(A)=C; f(B)=A$$

$$g(E)=R$$

$$g(R)=F$$

$$g(R)=F$$

$$g(R)=F$$

$$g(R)=F$$

$$g(R)=F$$

$$g(R)=F$$

$$g(R)=R$$

$$g$$





Suc et pot- | pour Jux autiliplacements pui cirinecteur en 2 pt districts pref- != S(AC)

2ª Nothode

=) got | W un ontheteplacement qui fixe le miluie de [sF]

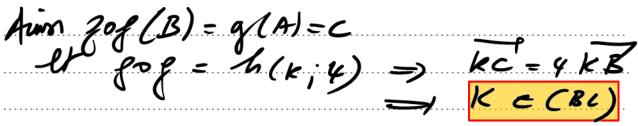
=) gof)or le pyrétre orthognele La re la médile trèce de (2F)

b) Sna: gof-1=S(Ac) (=1 g= S(Ac) 06

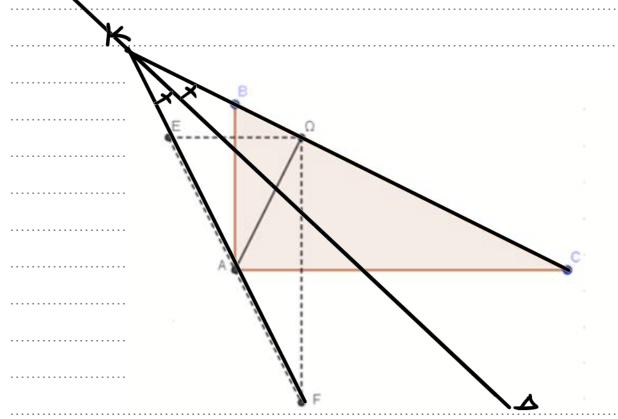
(g(B) = S(AC) of (B) = S(AC) (A) = A







g(A)=C=) A porti la bioceture inteneure. Le ARC.



4)) 2=0; AB=2(1AB)=2. T=> 2B=2i AC=4(1AC)=4T=> 2C=4.





2-Nethod:
$$g'=q_2+b$$
 on $|q|=2$

$$ag(a) = \frac{\pi}{2}(2\pi)$$

=)
$$a = 2i$$

At $f(A) = c$ =) $g_c = 2i \times 0 + b = 4$

$$\frac{d!}{8s^{2}} = \frac{6}{1-a} = \frac{4}{1-2i} = \frac{4(1+2i)}{5} = \frac{4}{5} + \frac{8}{5}i$$

$$\frac{3}{2}k = \frac{ab+b}{1-12/2} \stackrel{\text{M}}{=} \frac{3(\kappa)=k}{2} \stackrel{\text{M}}{=} \frac{3(\kappa)=k}{2}$$





Majagine 27 (fet: la)

$$\begin{pmatrix} ar' & m \rightarrow 0 + 1 + \frac{1}{n} = + \infty \\ -ii \end{pmatrix} \qquad \begin{pmatrix} -i & -i \\ m \rightarrow 0 + 1 + \infty \end{pmatrix} \qquad (x) = + \infty$$



f m n fa Lenivable a Link ano et Ef aluet to divite our pr (0,0) and deml-tangate verticale $\ln (n) = \int_{1}^{n} \frac{1}{E} dt - \int_{1}^{n} \ln (n) = 0$ $ln(n) = \frac{1}{n} \forall n > 0$ Hu, ne NT (z) = 0 c) 1 -1+2 m lu (4+1 /2) = ln (1+ 1/2) ii) (___ ln(1+2) _ l _ ln(1+2) - ln(1+0) $= \underbrace{(u) - u(0)}_{N \to 0} - \underbrace{u'_{1}(0)}_{1+0} = 1$ En eff t 4: 11 - lu (1+n) fr Lewalle Son J-1; + or, en fasticulier eno





de Liste d'ofration y-1 francagnytete à Ef au visinege de (+00) 2) a) fait a E] o; + or [Le for la for la tenue for [9;0+1]

Jenische pour] 9;0+1 TAF $(a+1-a) \cdot \frac{1}{c} t_{1} (a+1) \cdot l_{1}(a) = (a+1-a) \cdot \frac{1}{c}$ $=) ln \left(\frac{a+1}{a}\right) = \frac{1}{c} \text{ or } a < c < a+1 = 1 < 1 < \frac{1}{c} < \frac{1}{a}$ $=) ln \left(\frac{a+1}{4}\right) > \frac{1}{a+1}$ 2º Nethode, firt 4: t _ = 1 +t>0 then: of continue tur [45]; a < 6 =) I exist c e [4,5] 6 = f(4) It Continue for [a, a+1] Vaso il exote CE[a,a+1] to $\frac{1}{(a+1)-a}\int_{a}^{a} = \frac{1}{c} \Rightarrow \ln\left(\frac{a+1}{a}\right) = \frac{1}{c}$



	www.taklacademy.com
b) n _ s n+1 pr deniedret strice for Joi + or = = n _ lu (tement poù hue
Joi + 00 [=) n - lu (x) Len's bur
Joi + o	·C
Anso, &'(x) = lu(\(\frac{n+1}{n}\) + n.	
······································	7
$= \ln\left(\frac{n+1}{n}\right) - \frac{1}{n+1}$	>=
c) 2 0 pm	
7 (n) +	
3) a) I by brutume et shudemen	1 consule 5
Sen [o; + or = faction of the otemen from frequency for the fine for f	(J9+25)2[9
b) of clark pt finante pur [o]	
hi Eg et G. Je conjeur en un j	

class $N \in \Delta$: y = n, an effect: $N(x,0) \in \mathcal{G}_{1}(\mathcal{G}_{-1}(=)) = \int_{-Page}^{\infty} (x)^{-Page}$

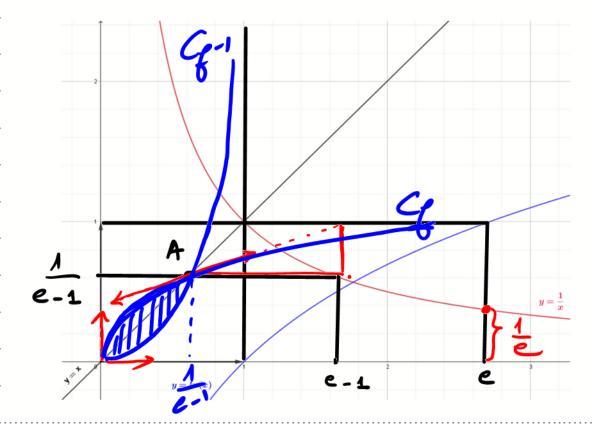


de (new four $n > y$ $ \left \int (x = x) (=) x \ln \left(\frac{n+1}{n} \right) = x $ $ \left \int (x = x) (=) x \ln \left(\frac{n+1}{n} \right) = x $ $ \left \int (x = x) (=) x \ln \left(\frac{n+1}{n} \right) = x $ $ = \int (x = x) + \int (x = x) = x $ $ = \int (x = x) = x + \int (x $	Augo: ney	=) N < f-'(2) =) f(2) < f(f-(2)) = 2 =) y < 2 Alambe
$(=) \mathcal{H} \left(\frac{\ln \left(\frac{n+1}{n} \right) - 1}{n} \right) = 0$ $(=) \mathcal{H} = 0 \text{ on } \ln \left(\frac{1+\frac{1}{n}}{n} \right) = 1$ $(=) \mathcal{H} = 0 \text{ on } \mathcal{H} = \frac{1}{n}$ $(=) \mathcal{H} = 0 \text{ on } \mathcal{H} = \frac{1}{n}$	de neu	u form n>y
$= n = 0 \text{ on } \ln \left(1 + \frac{1}{n}\right) = 1$ $= n = 0 \text{ on } 1 + \frac{1}{n} = e$ $= n = 0 \text{ on } n = \frac{1}{n}$		
$(=) x=0 \text{ on } 1+\frac{1}{n}=e$ $(=) x=0 \text{ on } n=\frac{1}{n-1}$		
C-1		
6 7 (0,0) (e-1)e-		P-1
	3	7 - 7 0 (0,0), (e-1) e-









$$\begin{cases} \left(\frac{1}{e^{-1}}\right) \cdot \ln(1+e^{-1}) - \frac{1}{\frac{1}{e^{-1}} + 1} \end{cases}$$

$$= 1 - \frac{e-1}{e} = \frac{1}{e}$$

et 8n nott A(t). l'aire de le faitre du plan Cinvice por Cg et Cg-1 de les Lus te d'esquelion n=tt et n = 1





Cour de raison de hymtre

$$A(t) = 2 \int_{t}^{\frac{1}{e-1}} (y - y) dy$$

$$=2\int_{\kappa}^{\frac{\Lambda}{2}} \left(-\frac{n+1}{2}\left(-1\right)\right) dn$$

$$u(n) = ln(\frac{n+1}{n}) - 1 \longrightarrow u'(n) = \frac{-\frac{1}{n^{2}}}{\frac{n+1}{n}} = \frac{1}{n(n+1)}$$

$$\sqrt{n} = n \longrightarrow \sqrt{n} = \frac{1}{2}n^2$$

$$A(t) = \left[n^2 \left(\ln \left(\frac{n+1}{n} \right) - 1 \right) \right]_{t}^{t} + \int_{t}^{t} \frac{n! - 1}{n+1} Sn$$

$$=-t^{2}\left(\ln\left(1+\frac{1}{e}\right)-1\right)+\frac{1}{e-1}-\ln\left(\frac{e}{e-1}\right)-t+\ln\left(1+t\right)$$



$$A(b) = -\frac{1}{2} \left(\ln \left(1 + \frac{1}{e} \right) - 1 \right) + \frac{1}{e - 1} - \ln \left(\frac{e}{e - 1} \right) - E + \ln \left(1 + b \right)$$

$$= t^{2} - t^{2} \ln(1+t) + t^{2} \ln t + \frac{1}{e-1} - \ln(\frac{e}{e-1}) - t + \ln(1+t)$$

Ain
$$\ell$$
 Alt = $\frac{1}{e-1}$ - ℓ n $\left(\frac{e}{e-1}\right)$

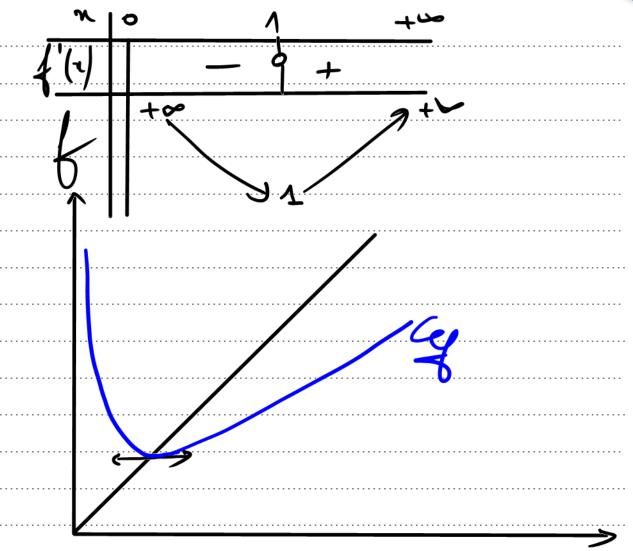
las file
$$A = 1 - ln(\frac{2}{2-1}) v.2$$

Energie MC3

$$\frac{C}{n-1+2}n-\ln(n)=\frac{L}{n-1+2}n\left(1-\frac{\ln(n)}{n}\right)=+\infty$$

$$\frac{C}{N-1+2} = \frac{f(n)}{n} = \frac{1}{n} = \frac{1}{n} = 1$$





2) a) ao > 1. Vraine form m = 0 hal no n supp pur an > 1 et M an +1 > 1 On an > 1 et f pr pt form [1; + 6] => f(an)>f(1) => an > 1 cl, the cru, an > 1 lu(n) | -9+

b) $a_{n+1} - a_n = -ln(a_n) \ge 0$ for $a_n > 1$ => (n_n) N Leun strutt





Fren Pull (Bn) = 9n+1
A (
$ \frac{\int u d u d u}{\int u d u} = \frac{\int u d u}{\int u d u} = 1 $ $ \frac{\int u d u}{\int u d u} = \frac{\int u d u}{\int u d u} = \frac{1}{\int u u} = \frac{1}{\int u d u} = \frac{1}{\int u u} = \frac$

