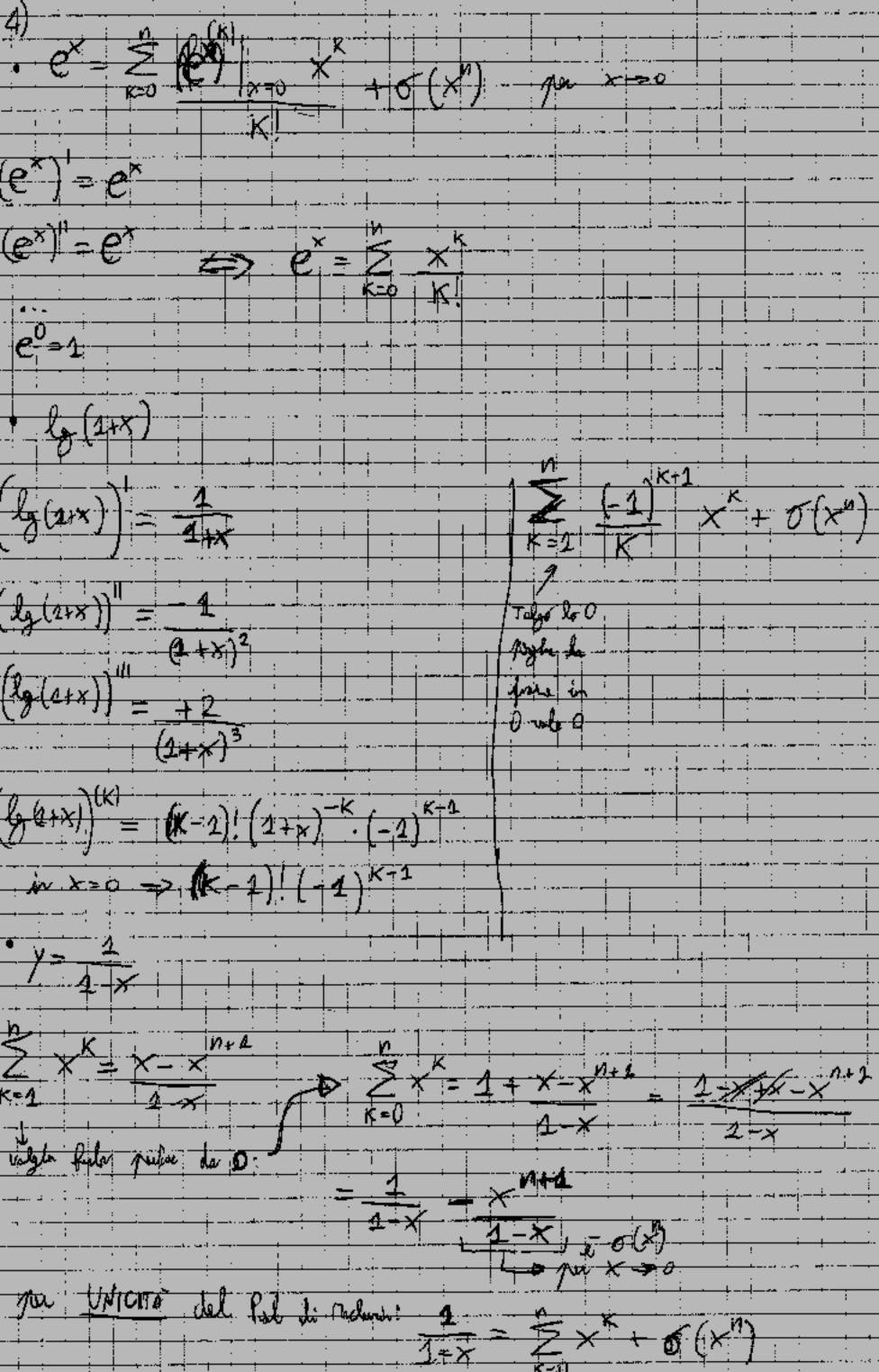
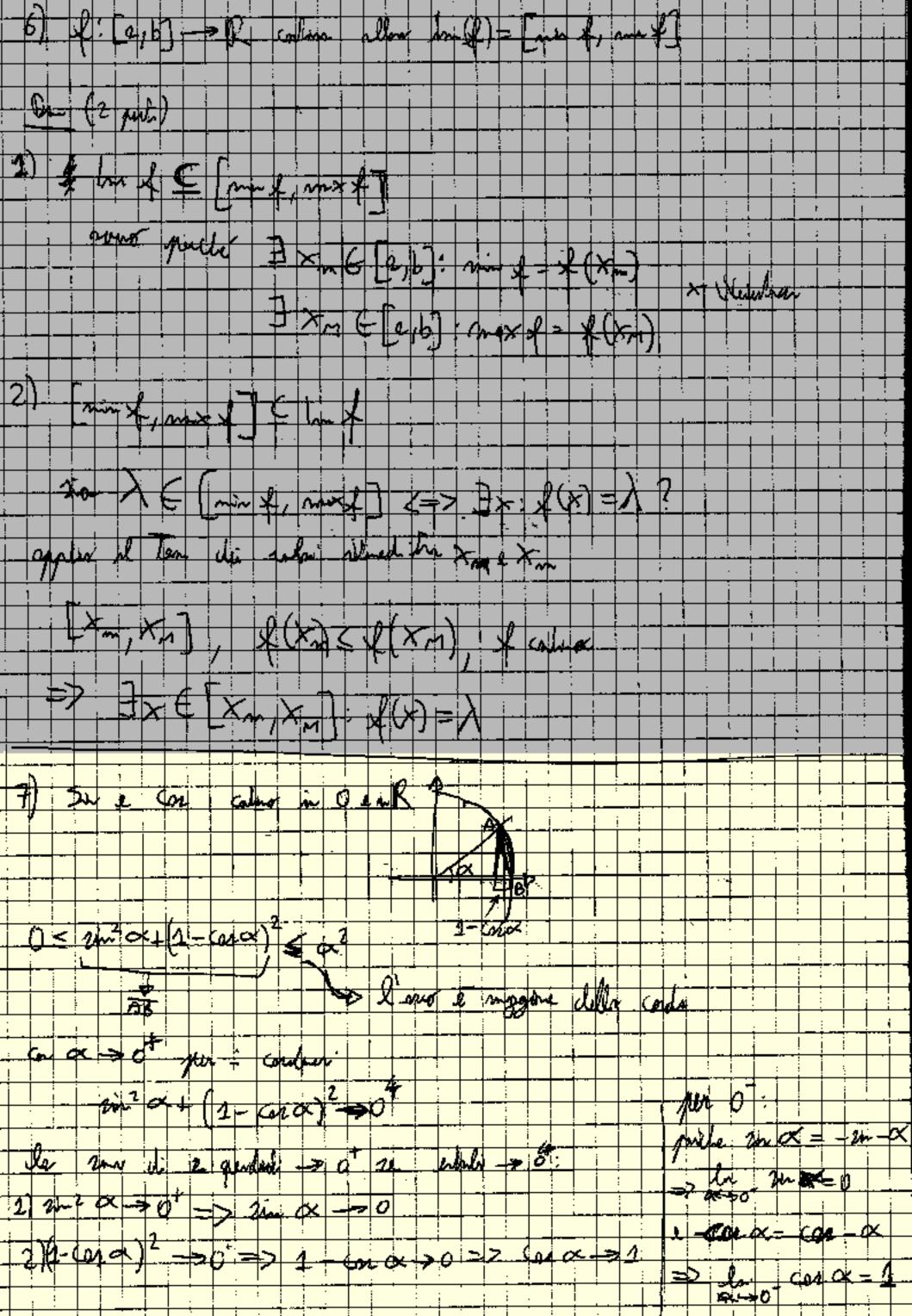


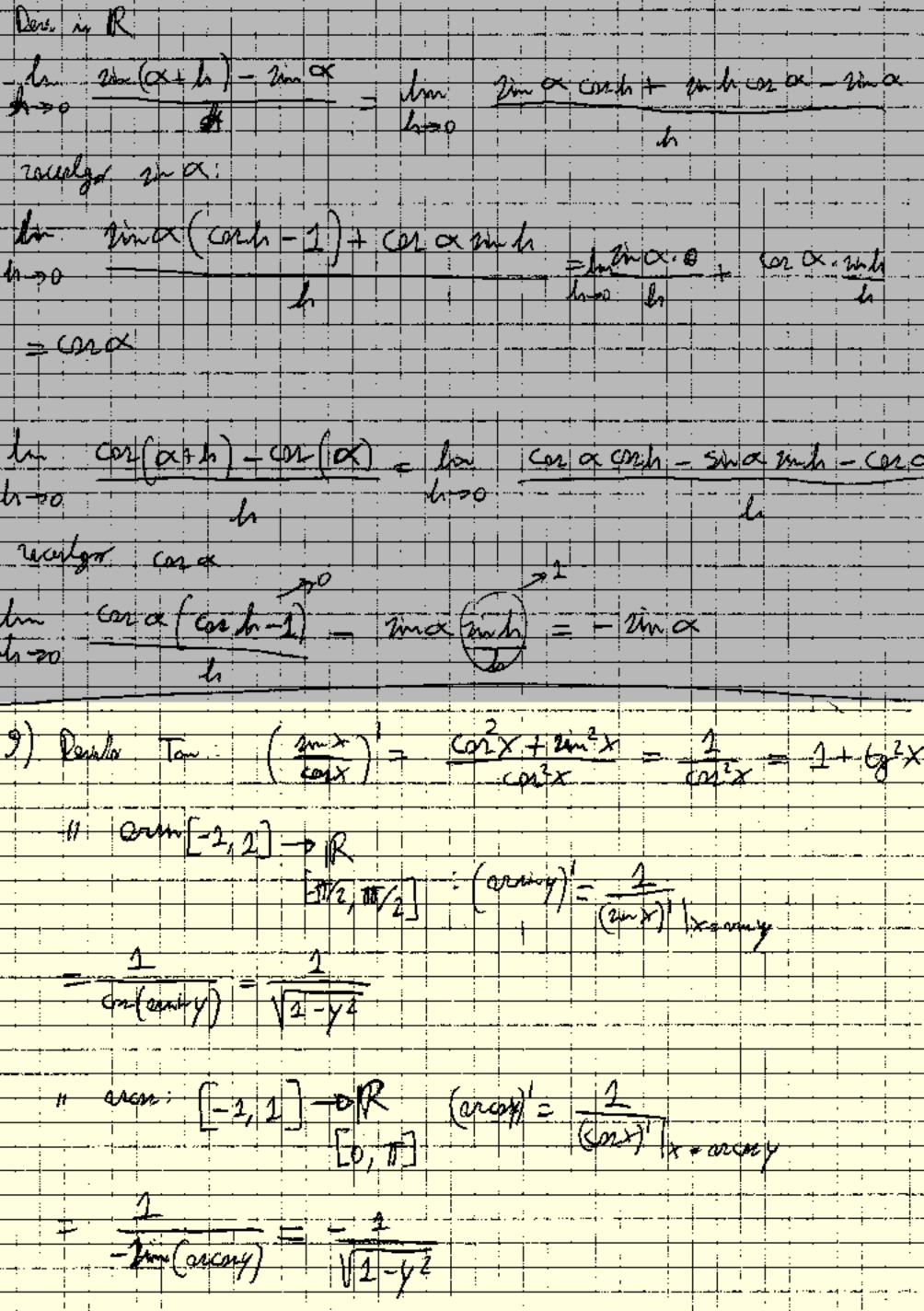
3) 
$$f(x) = f_n(x) + G(x^n)$$
  $f_n(x) = G(x)$ 
 $f_n(x) = f_n(x) + G(x^n)$   $f_n(x) = G(x)$ 
 $f_n(x) = f_n(x) + G(x^n)$ 
 $f_n(x) = f_n(x)$ 
 $f_$ 

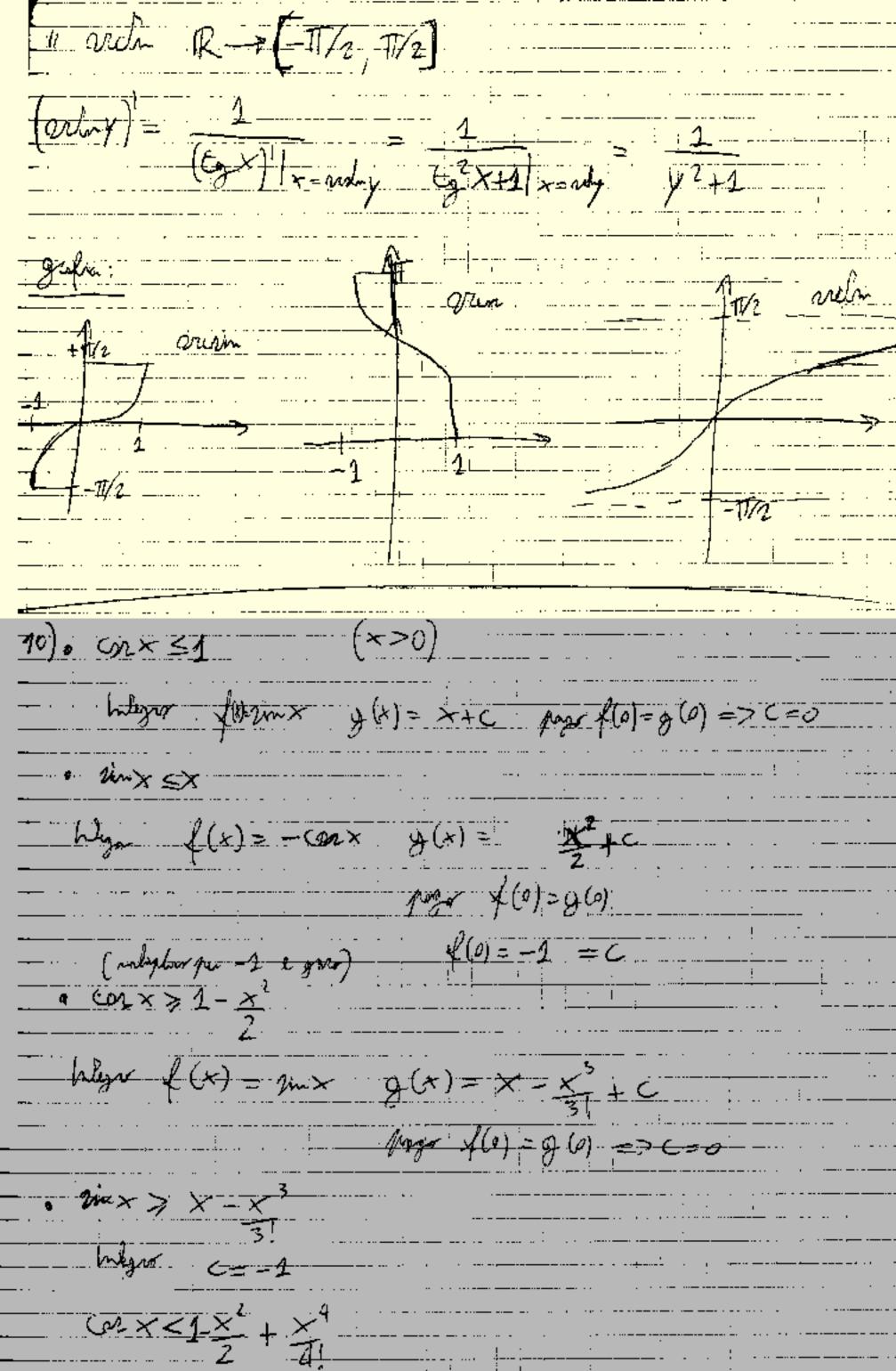


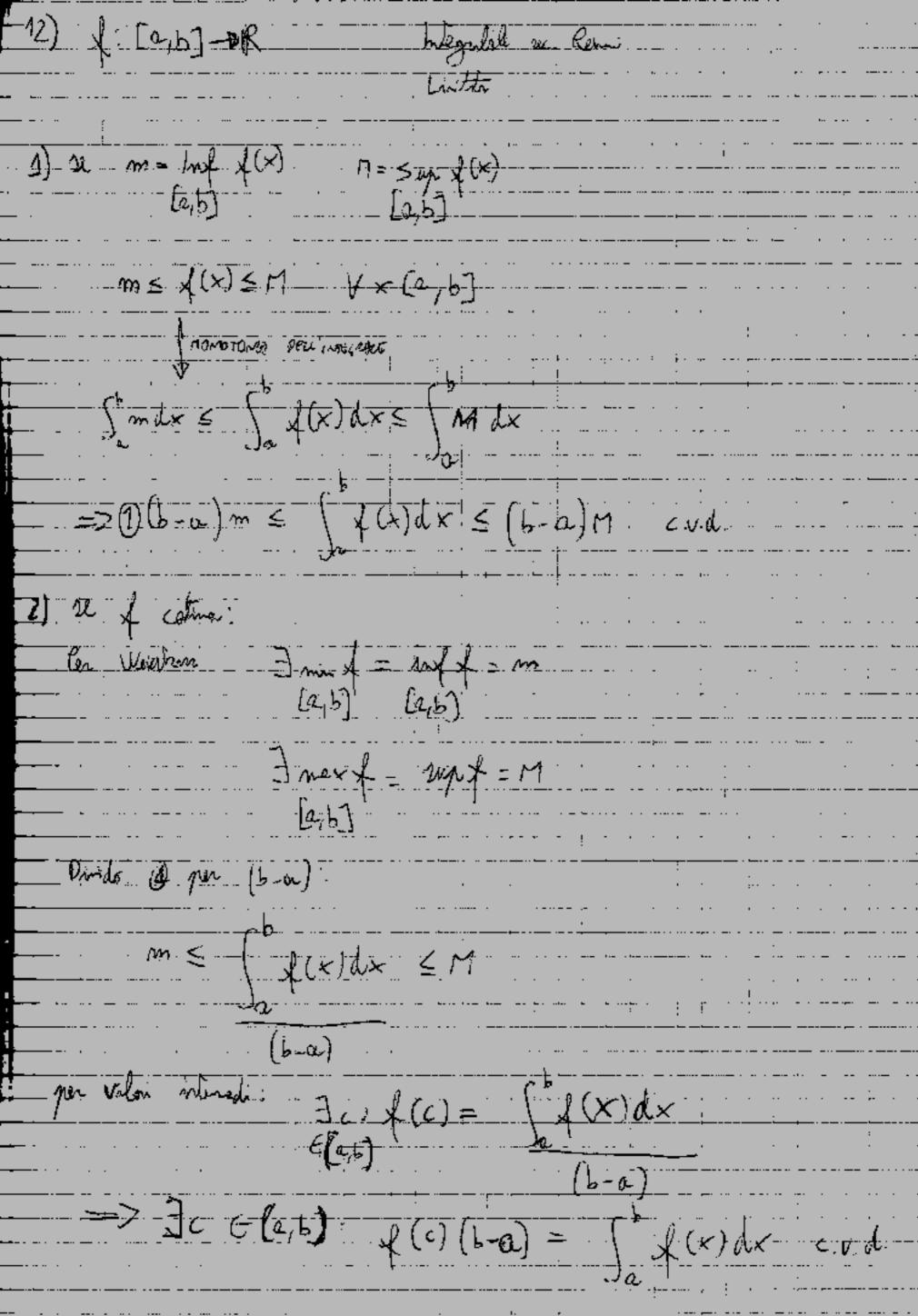
5) Flore Approx  $\{\chi(x) < T(x)\}$   $\chi(x) > T(x)$ ,  $\chi(x) > T(x)$  $\begin{cases} \chi(x) > T(x) & x > x_0 \\ \chi(x) < T(x) & x < x_0 \end{cases}$  $f(x) = f(x_0) + f(x_0)(x - x_0) + f'(x_0)(x - x_0)^2 + \dots + f^{(n)}(x_0)(x - x_0)^{\frac{1}{2}}$  $+ G((\times - \times_0)^{\nu})$  $\sum_{i=1}^{n} \sqrt{(x_i)} \left( x_i - x_i \right)^2 + \dots$  $\frac{2}{2} \left( \frac{1}{2} \left( \frac{1}{2} \right) \right) \neq 0 \quad \text{e} \quad \left( \frac{1}{2} \left( \frac{1}{2} \right) \right) = \left( \frac{1}{2} \left( \frac{1}{2} \right) \right) = \left( \frac{1}{2} \left( \frac{1}{2} \right) \right) = 0$ Ke tiper de feller + O(x-x0)11-K [divloter lists]  $\frac{1}{(x-x_0)^K} = \chi^{(k)}(x_0) \pm ...$  $\frac{\sum_{y=1}^{n} \frac{\psi(x) - \overline{\chi}(x)}{(x - x_0)^n} = \sum_{y=1}^{n} \psi(x)$ 24-Ka dyn Vander vyra u x e a der o ex de xo menter c'e floor dignale qu'él more c'e of cold K per u f (xo) =0 per Fernt ellins In mount of mount lieste (det the me pro even flow)

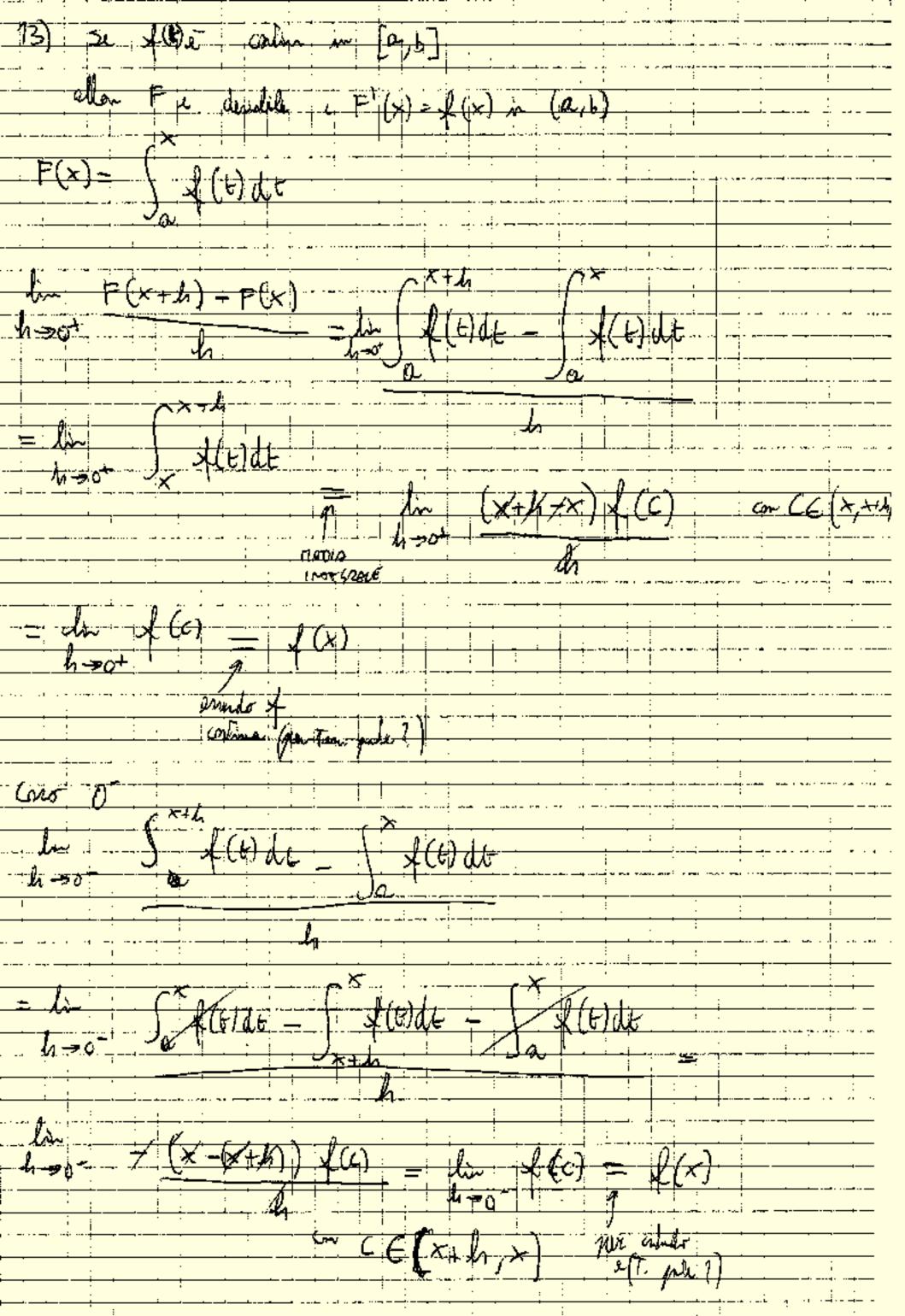


· de trobe du la subra contra 1 2 - 0 = 0  $\frac{1}{\alpha}$   $\alpha = 1$ Controlle in PR - lin 2m (x+h)= unce con h + cor of unh = unce  $\frac{1}{h} \cos \left(\alpha + h\right) = \cos \alpha \cot h - 2m\alpha \sinh = \cos \alpha$ 8) desolibre en ecose in 0 , R -co 0600 07/2. 0 5 masas Tga \_ thirty per con a CAL MOS 2-010 0-0 6 € 1 € € € <u>1</u> 00 €  $\lim_{x\to 0} 1 - \left(0\right)^{2} \left(\frac{x}{z}\right) - 2m^{2} \left(\frac{x}{z}\right)$ 1 < 2ma < 1 la 2 san (x)









4) Bears 
$$f(a_{1}) \rightarrow f(a_{2})$$
 solve

$$F(x) = f(x)$$

$$(P'(x) = f(x))$$

$$A(x) = \int_{a} f(x)dx$$

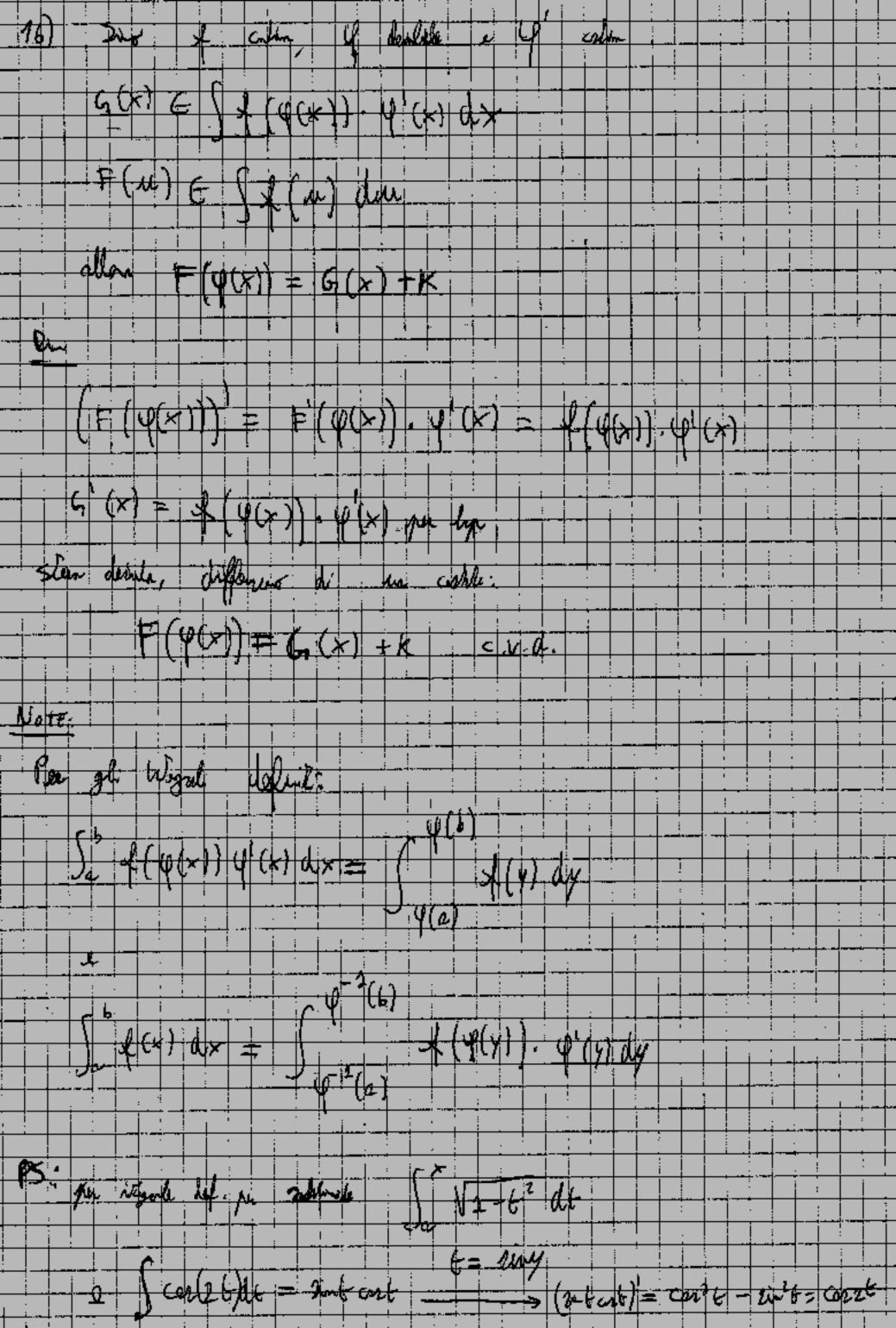
$$A(x) = \int_{a} f(x)dx$$

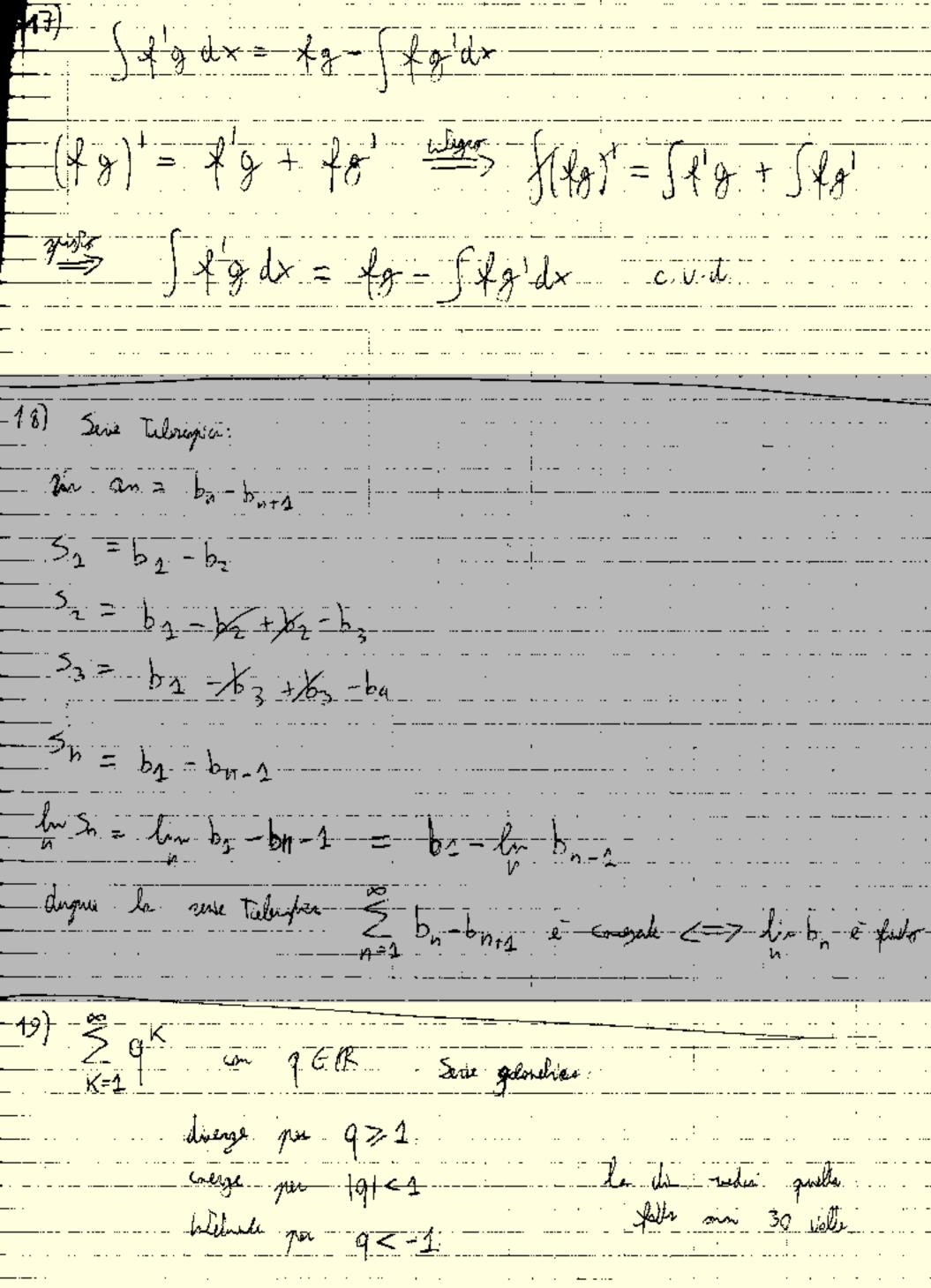
$$A(x) = \int_{a} f(x)dx$$

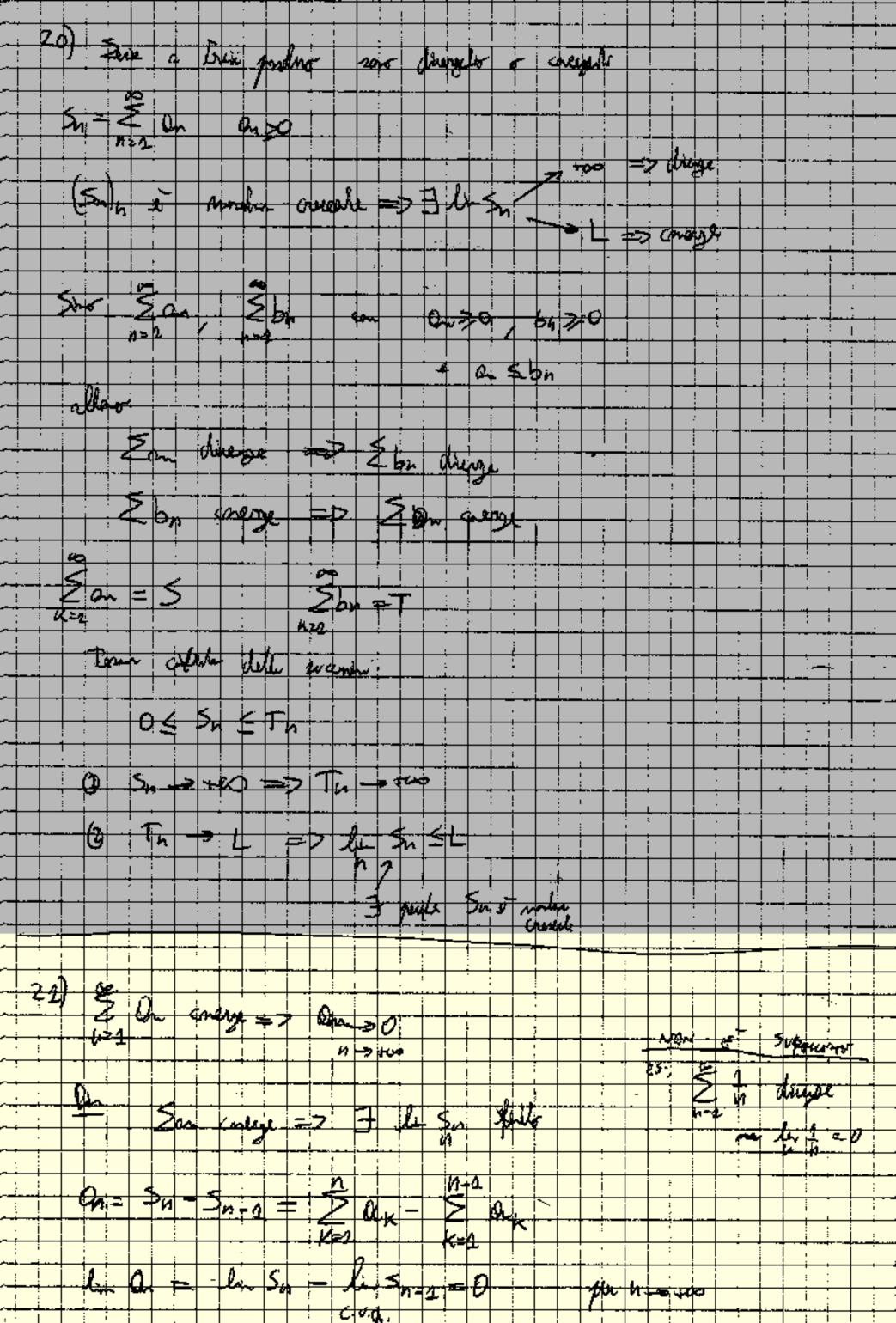
$$A(x) = F(x) + K$$

$$G = F(a) + K$$

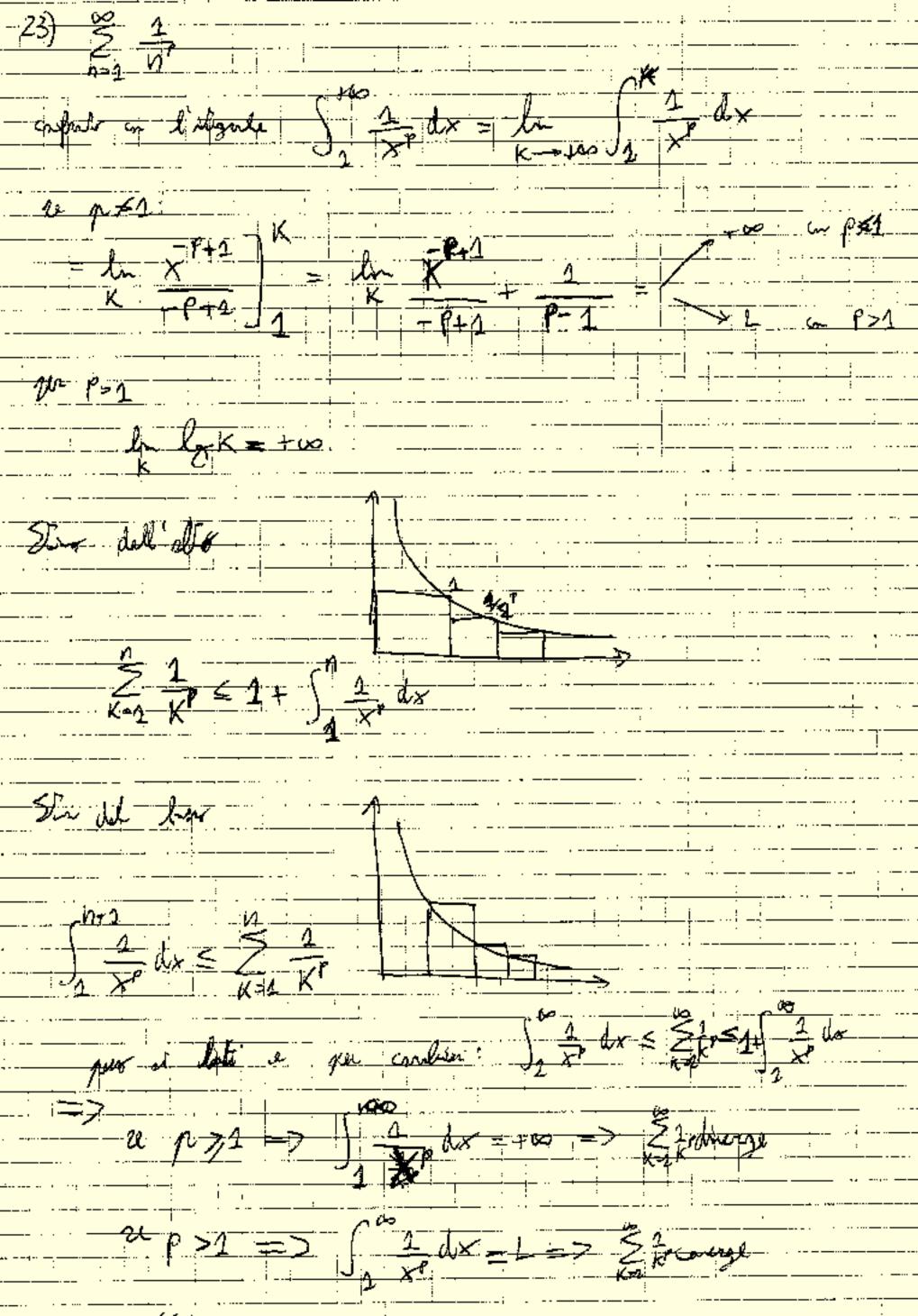
$$G$$



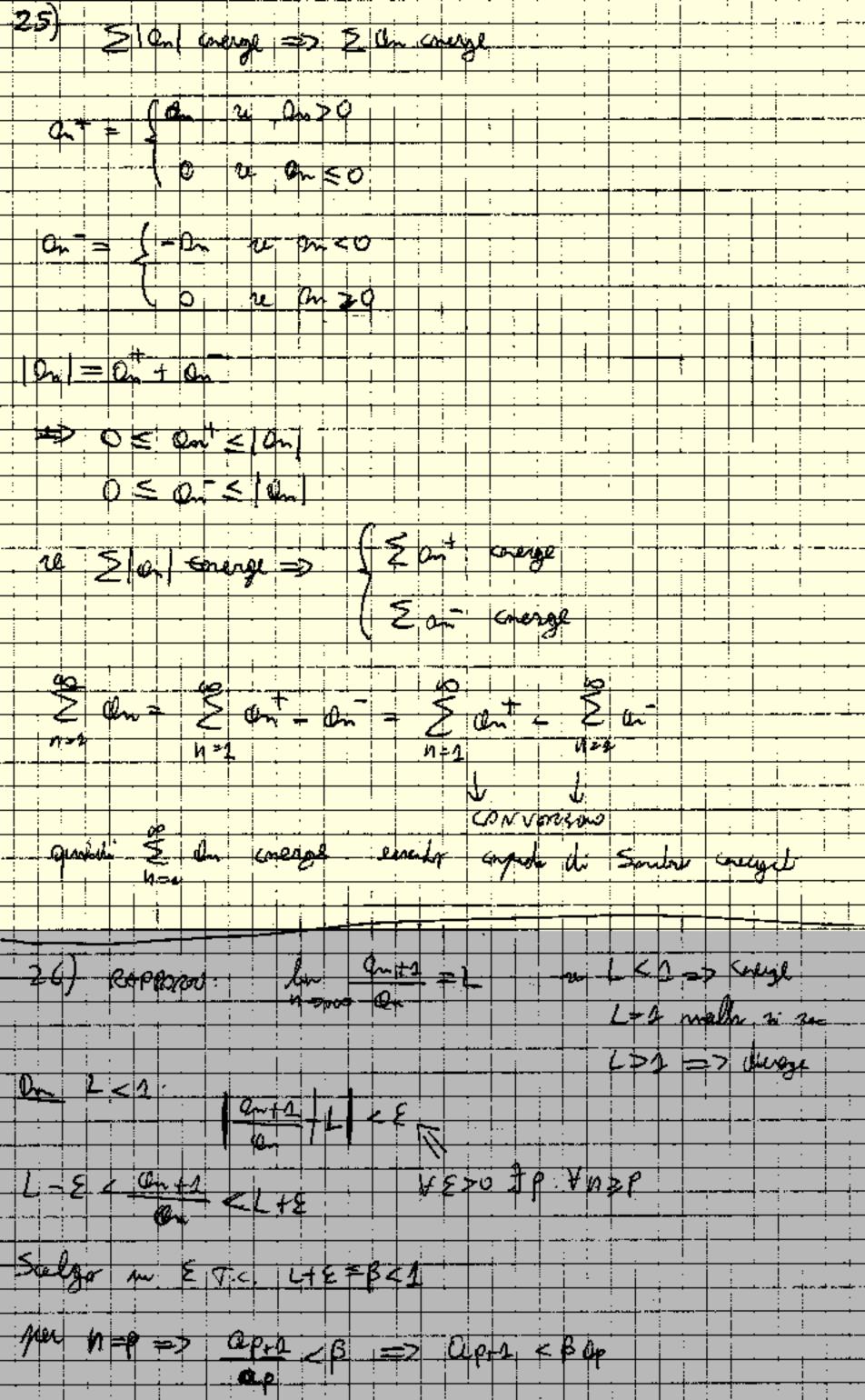




22) - Coder cont andrices	
Ž an Ž bn 0.20 by >0	
in by =1 allen har lo steer western	
₩ E>O F Vio Un > No 21 Lu	
$\frac{1-\xi \leq Q_{m} \leq 1+\xi}{b_{m}} \leq 1+\xi$	
$= (9-\varepsilon)b_n \leq 0n \leq (1+\varepsilon)b_n$	
De che se la code course contre la rece e se	
dieige deuge mile In come ( I the pun Alla coda conor in morar faulo).  - in morar faulo).  - Sin = Sex 4 Sex 4 Sex 1  - Com.  - Com.  - Sluno continu	
2 Com. Karlin	
$\frac{C_n \leq b_n = 70}{2}  \text{on druge}  \text{on } \leq (0+\epsilon)  b_n \Rightarrow b_n  \text{druge}$ $= (1-\epsilon)b_n \leq (n-\epsilon)b_n \leq (n-\epsilon)b_n  \text{orange}$	
-bn ≤an => 3 bn diverge: (1-E)bn ≤an => an diege	
_ (1+ε) b= => con converge . (2+ε) b= => con converge	
- · · · · · · · · · · · · · · · · · · ·	



| Light | 
$$\frac{1}{2} = \frac{1}{2} = \frac{1}$$



The N=P+1 => 
$$\frac{\alpha_{f12}}{\alpha_{f11}} < \beta => \frac{\alpha_{f12} < \beta_{af12}}{\alpha_{f11}} => \frac{\alpha_{f12} < \beta_{af2}}{\alpha_{f12}}$$

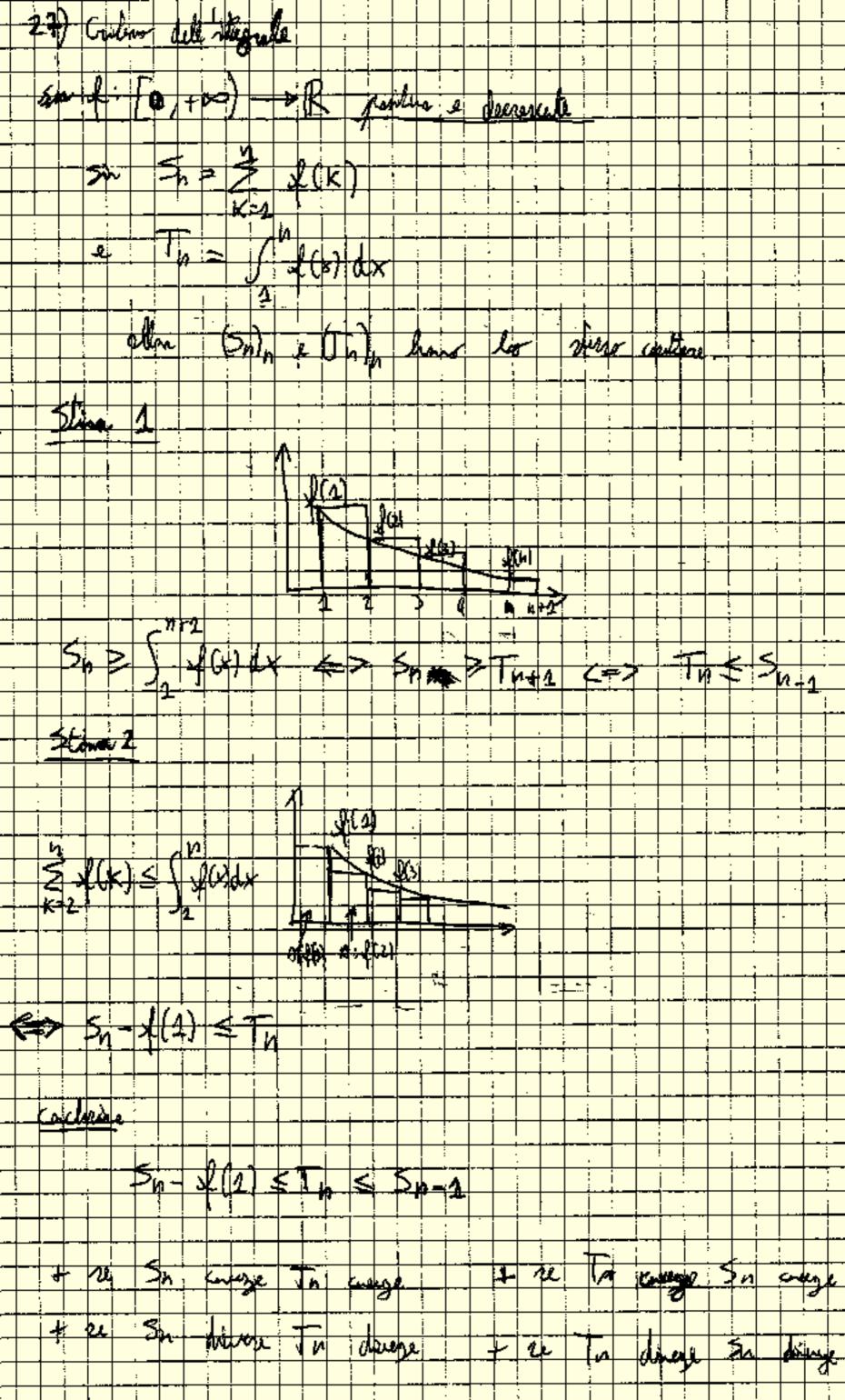
The N=P+K =>  $\frac{\alpha_{f+K+1}}{\alpha_{f+K}} < \beta => \alpha_{f+K+2} < \beta_{af2}$ 

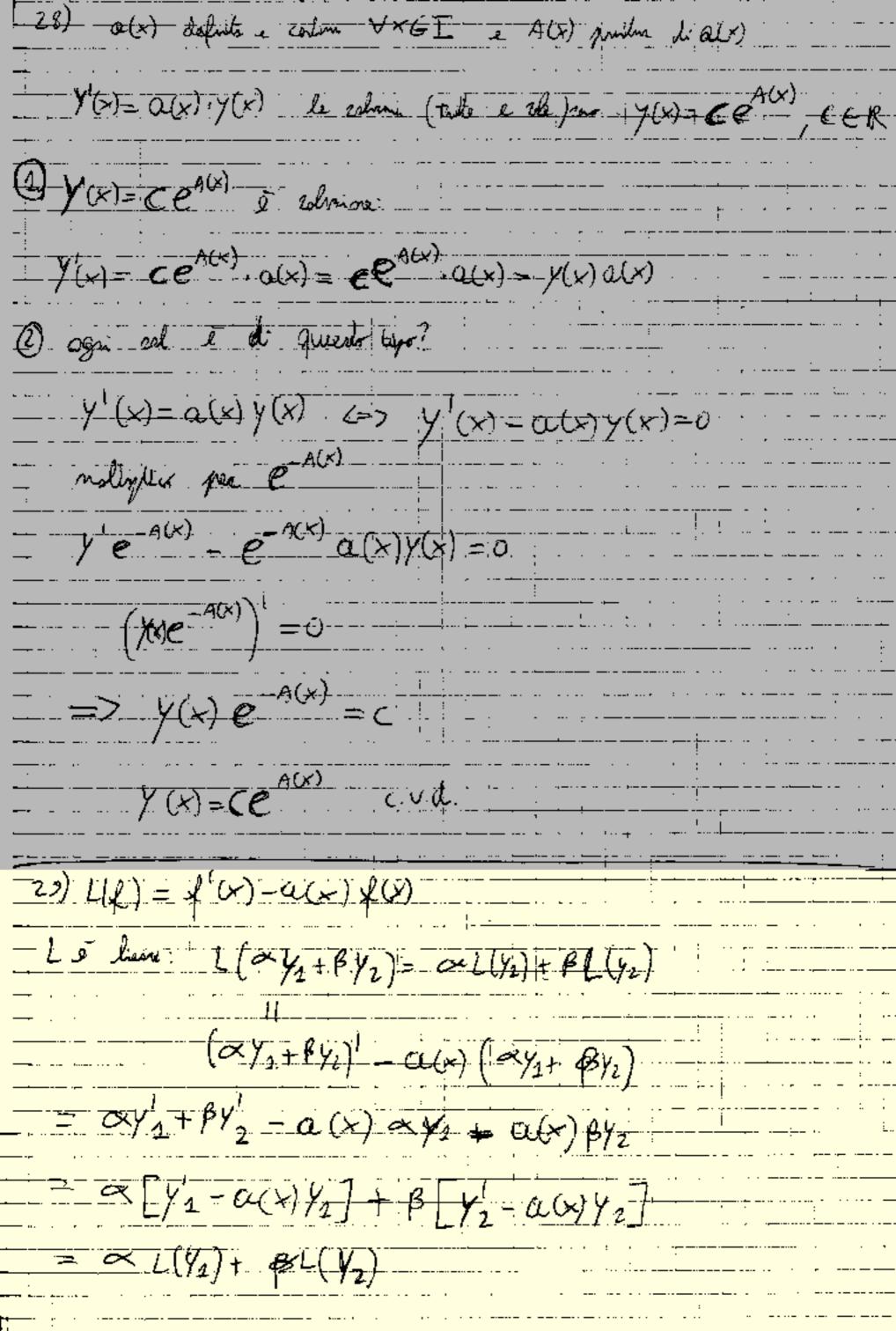
The n=P+K =>  $\frac{\alpha_{f+K+1}}{\alpha_{f+K}} < \beta => \alpha_{f+K+2} < \beta_{af2}$ 

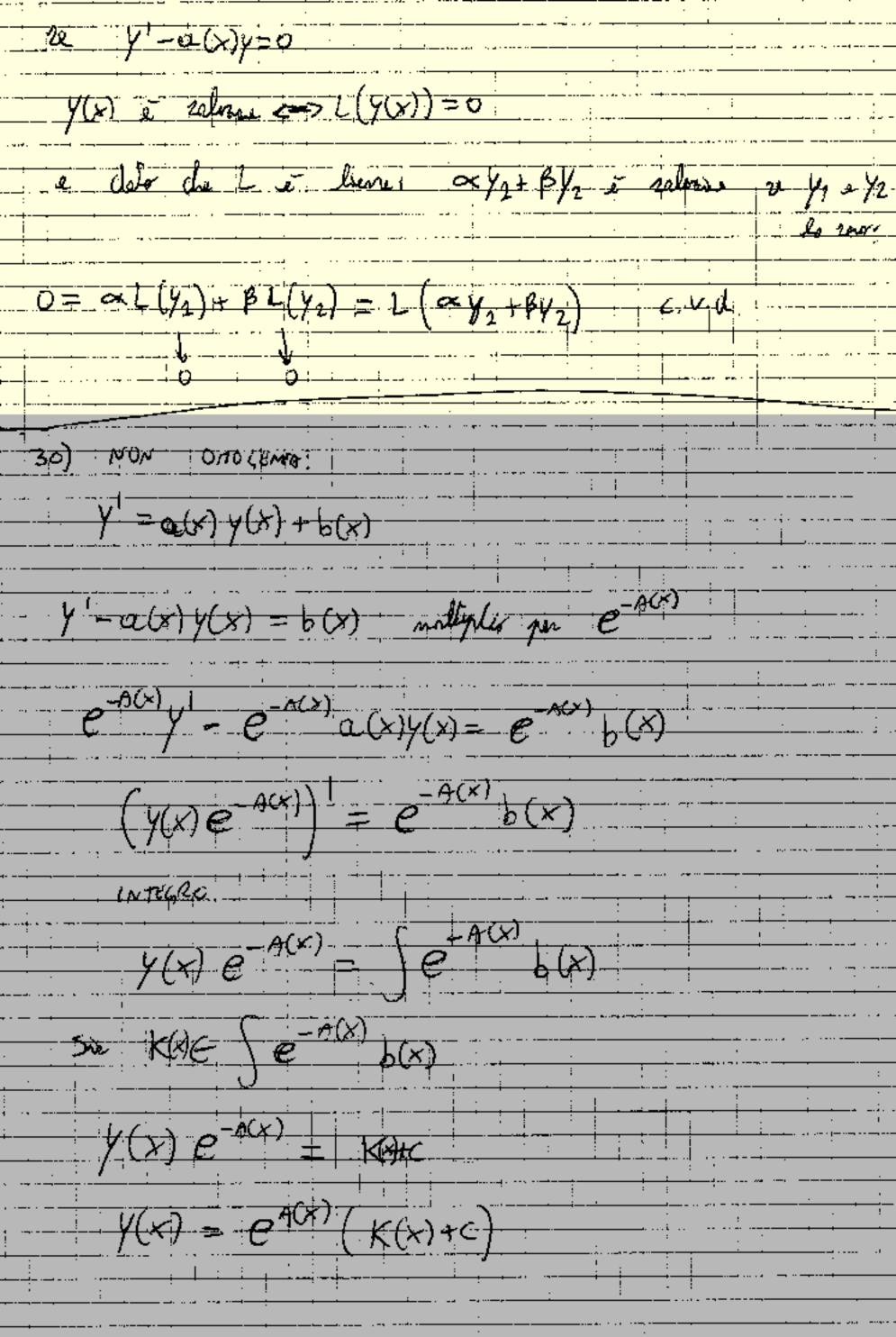
The n=P+K =>  $\frac{\alpha_{f+K+1}}{\alpha_{f+K}} < \beta => \alpha_{f+K+2} < \beta_{af2}$ 

The n=P+K =>  $\frac{\alpha_{f+K+1}}{\alpha_{f+K+2}} < \beta_{af2}$ 

The n=P+K =>  $\frac{\alpha_{f+K+1}}{\alpha_{f+K+1}} < \frac{\alpha_{f+K+1}}{\alpha_{f+K+1}} <$ 







- Che to 2 almer the one in the y(x) = e A(x) (K(x)+c) & alme  $y' = e^{A(x)} \cdot a(x) \left( k(x) + c \right) + e^{A(x)} \cdot e^{A(x)} b(x)$  $= e^{A(x)} a(x) (K(x) + b(x) + b(x) + c + d + (K(x))$ VAL .- SEPARATH 2 Johns - h, (x) = a(x) & (h(x)) a.I. VR who g IR - JR colus 1 Solven - court  $\lambda_i(x) = 0 \quad \forall x \in I = > 0 = \sigma(x) \cdot \delta(x)$ 2 (x) ≠0 y(x)=yo = 20l ∠=> g(y.)=0 10 man cept ne y(x) x yo ] in lendr n in g(y(x)) x o dudo per g(y(x)):  $\frac{Y'(x)}{2^{(y(x))}} = \omega(x)$  $\int \frac{dz}{9^{(z)}} = \int a(x) dx$ - تعروشا calondo della. y'antx=dz =A(x)+C & rolling

A VAL. SEP con a I the from Lx - I almo un relience re a com in I e g. Colum - 3 - to Unica - satisfien se meltre g E (D) (PC) (Y=a(x) y(x)+ b(x)-\(\forall \(\forall \) = \(\forall \) re a e b zono costre Vallar la solvane e Dato W & a prison entirele 10 rede 12-line  $\sqrt[4]{W} = \left\{ \frac{1}{2}, \frac{1}{2}, \frac{1}{2} \right\}$ W= 7 (a 0+1 sin 0) cona + i ma) = [ (con (na) + 1 sin (na) = W Na=Q+ZKIT VKE

