

METODO DELLE SUCCESSIVE BISEZIONI Ipotesi: f continuo, faifebleo Idee: ripitationente si suddivide l'intervalle in 2 servicintervalle e si onseeva quello du verifice le ipoteci. graficamente: 0 X. passo 1 Passo 3 1 X3 Xo, X1, X2, X3, ... Sons le successive appossimes, sui di & generate de metodo.

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$$I(k) = [a(k), b(k)] = [a(k), b(k)]$$

Pen agni $k \ge 0$. All one E he : lumpus deith $[a(k), b(k)]$

1) $[x(k) - a] \le 1/2 |b(k) - a(k)|$
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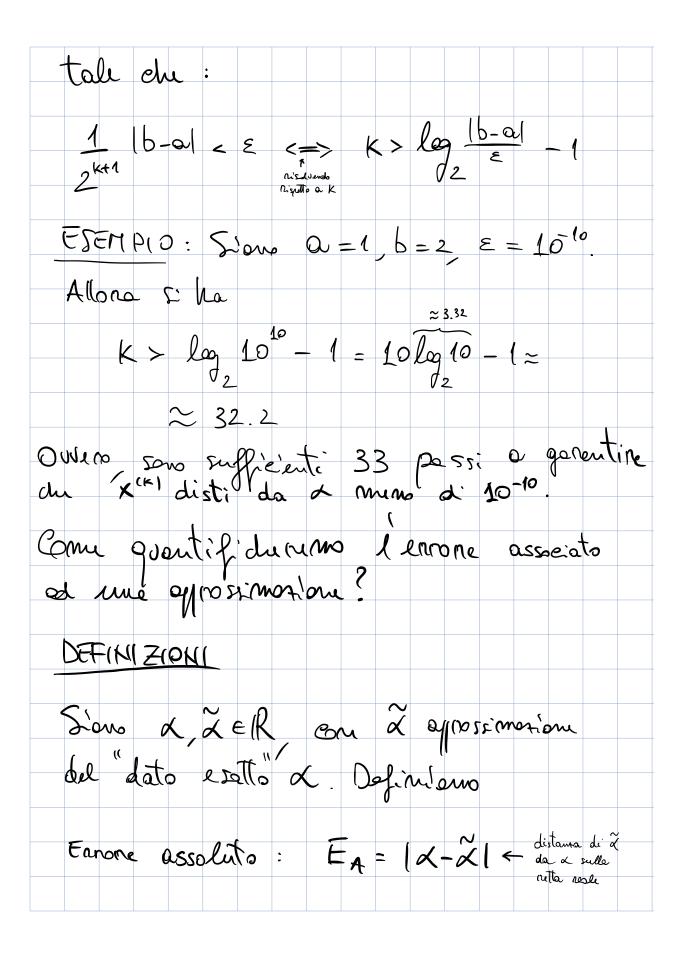
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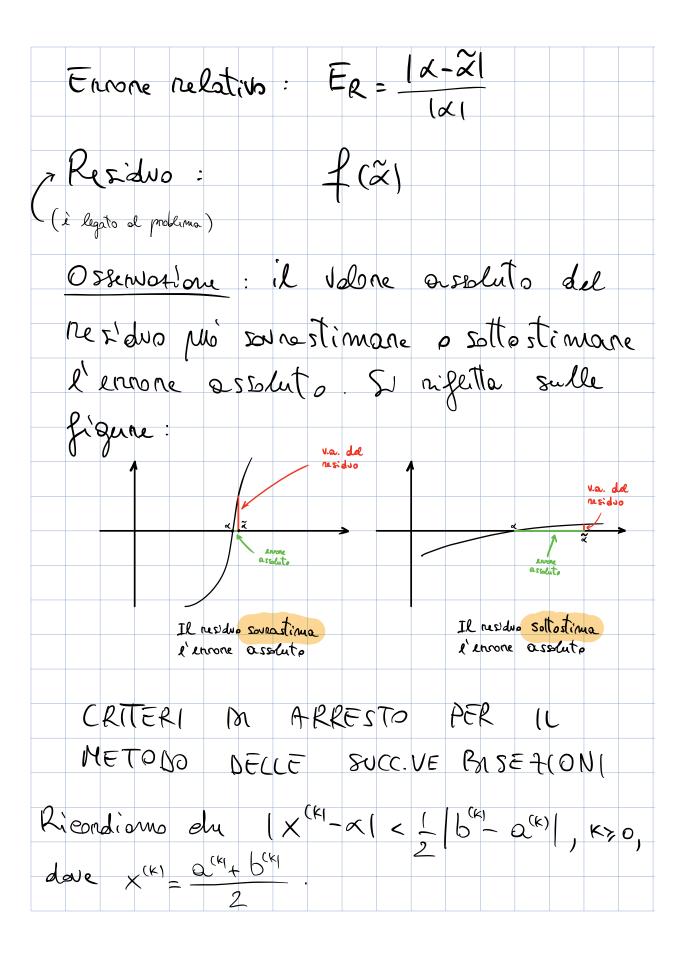
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1) stima ennone assoluts:

1 | | (K) - a(K) | < E

tollerouse 2) stime ennone relativo: 1/2/b - a(k) / < E) o esvisolentemente 16 - a(k) < E 3) Residuo: 1 (x(k)) < E

