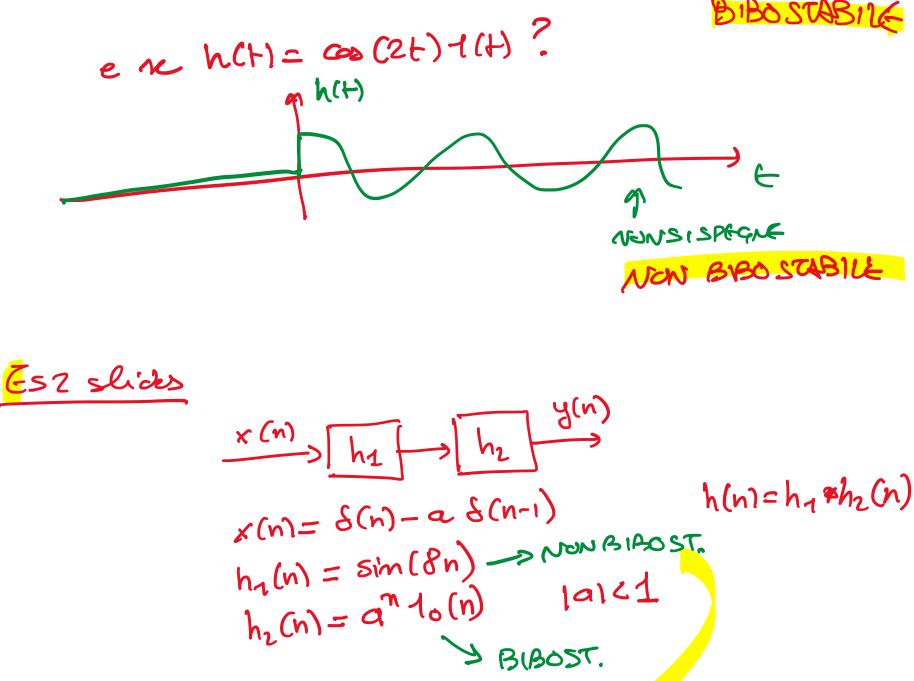
Le11 Thursday, 21 March 2024 19:29 x(H= sim(++2)1(+) NOTA yCH= et1(H) Ex = [0, 00) 9 KCH TYCH 2(+1= \sim(v+2) \frac{1}{100}. et -u -1(+xu) +-v>0 +>w ust na sensos clo y(+,u) x(u) =0 $2(n) = \sum_{k=-\infty}^{n-1} 3^k = \sum_{k=-\infty}^{+\infty} 10(n-k-1)3^k$ EDS shids ? = > x(k) y(n-k) 10_ (K-(n-1)) = 10 (n-1-K) = (0 (n-K-1) $x(n)=3^n$ y(n)=10 (n-1) STABILITA DI h(n) = n cos (T/4n) to (n) ES 1.4 slight ere h (n) = cos (t(cen) to (n) 9 9 9 9 9 9 9 9 9 7 ° ° $\frac{200}{1000} = \frac{1000}{1000} = \frac{1000}{1000}$ STABILITAT BABO CON h(+)= etcs(2+)1(+) REALE Ln= [et/cos(2t)/16t) dt - = et/cos(2t)/16t) = $\int_{0}^{+\infty} e^{-t} |\cos(2t)| \cdot dt$ dt = $\int_{0}^{+\infty} e^{-t} dt = -e^{-t} = 0 - (-1)$ = $\int_{0}^{+\infty} e^{-t} dt = -e^{-t} = 1$ e re h(t)= cos (2t)-1(t)? m h(H) NUNSISPEGNE NOW BYSO STABILE



y (n) = x * h1 * h2 (n) = (x + h2) + h1 (n) 2(n)= x + hz(n) = hz(n) -a hz(n-1) $= a^{n} + b(n) - a a^{n-1} + b(n-1)$

1) BIBO STABILE? NON BIBOST.

2) USCITA 4 (m)=?

$$= \delta(n)$$
 $= \delta(n)$
 $= \delta(n)$

 $= a^n (10(n) - 10(n-1)) = a^n S(n)$