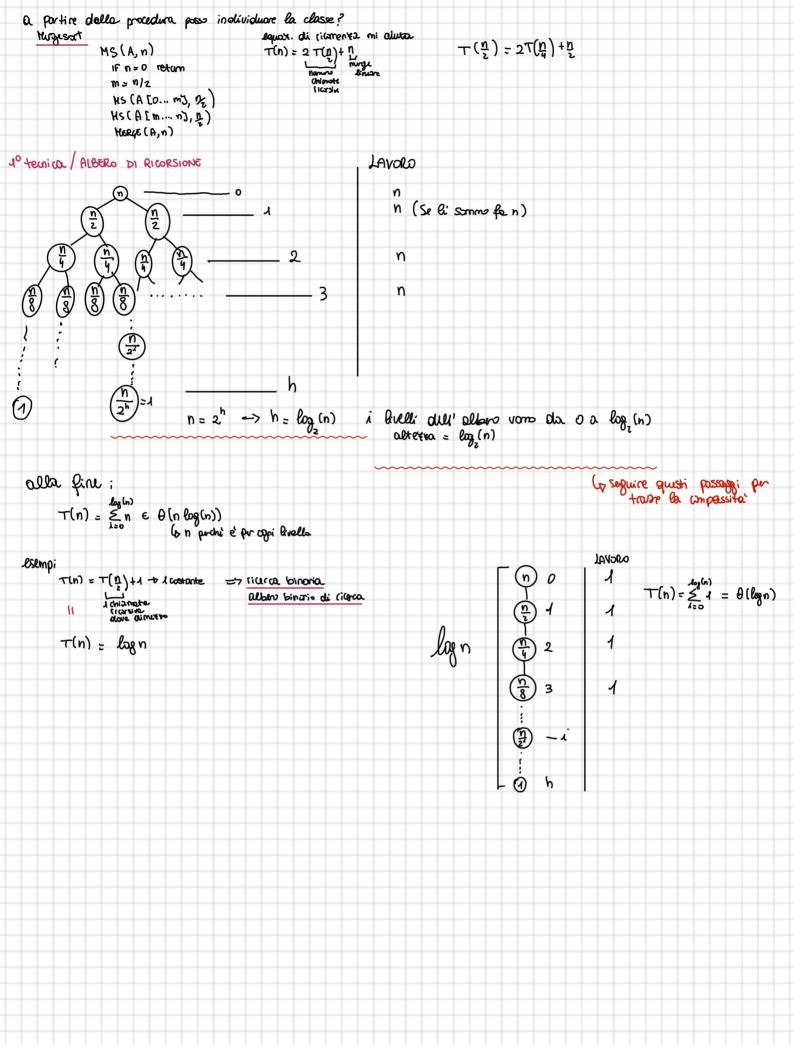
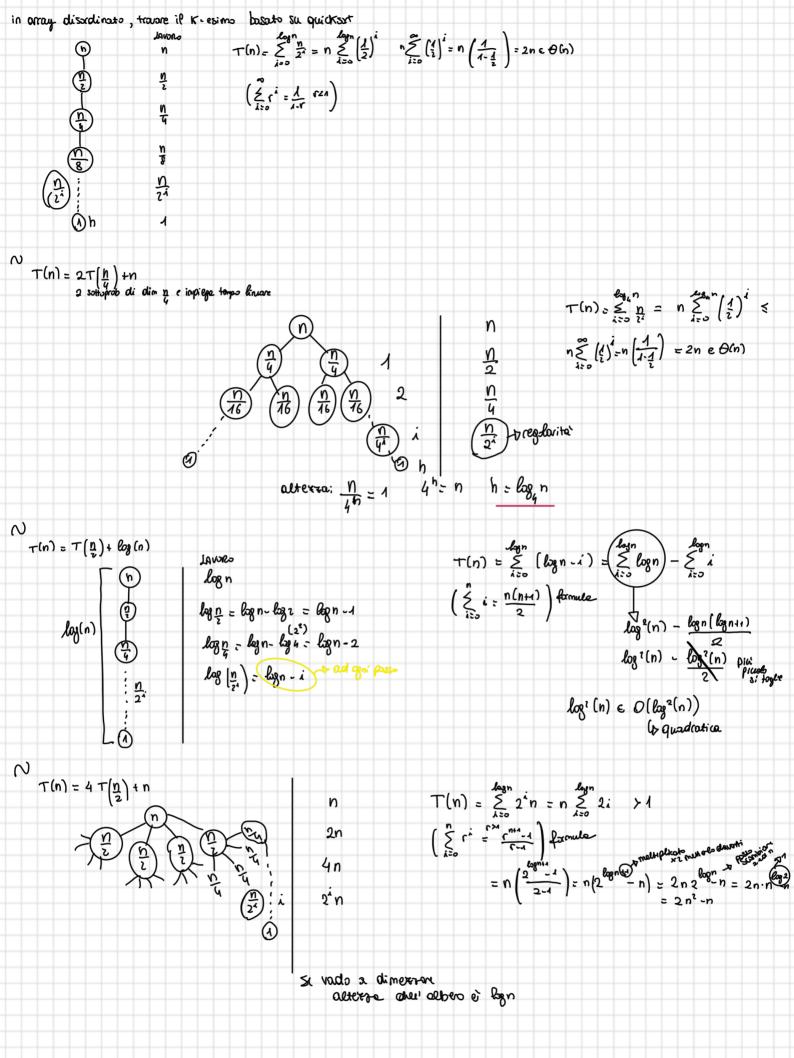
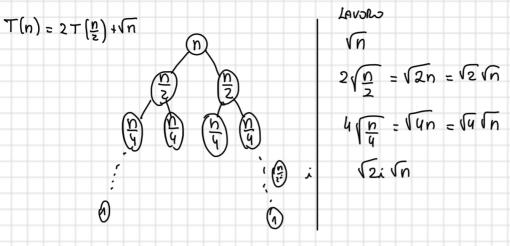


NOTATIONI ASINTOTICHE				
- Old di classi				
Classi Unu homo elementi				
25. F(n) = 03+ 4n4 2n60p3(n)	-3 li Confrontiamo F(n):	= 7n4 + clasx	, elimi rarla Oesu in meni era Simi Opparlengona alla class	P. O. LUHE & P. J. Sim Chi
4n4 n3 2n log3(n)	3 - dal più grade al più	pjyolo	apportengos alla clas	e ph
	IJ │	4		Sicativi ed elementi Unu damo
	undi non le Consilluro		contributo inutific	
• $F(n) = \frac{1}{40}n + \frac{1}{20}n + \frac{1}{2}$	no + 3000 F(n) = n ²	du Ugual: n	Si Sammono	
- Notationu a sintotica				
si scive:				
	0((2)			
F(n) e O (n ⁴⁰ log*n)	O(g(n)) to classe di tute le	funcioni du hamo can	aportomato Osiatetico Simil	3 a g(n)
Limite Streets	is h(n) & A(a(n)) lim	ຊເກ) ເ		
7	2s. h(n) ε θ(g(n)) lim	h(n)		
F(n) & 0 (g(n)) <=> g(n) & 0 F(n)	(lim sup inf oull'attre, stessa cl	oser brich, zi combotovo	allo stesso mada	and Street of A 5' Committee
0 (g(n)) = 5 F(n): 3 c,,c2, no 0 4	c, g(n) & F(n) & c, g(n) Yn > no f	F(n) sta Sampre in 1	mitto a c, e c, ; gin accomp	agna Sumpre Fin), Si Compartions Selection models
· O(n) (molto più ampla di				Giosa iliosia
F(n) & O(g(n)) (limitata superi				
Vostio Sopre Se si	comporta ugual o puggio a gin), a	elsa e O(n)		
O(g(n)) = } F(n): }c, no) 0 &	f(n) ≤ c g(n), Vn>no g			
, ,				1
CONTINUE SID. HUNTERONI CA	i si comportano allo stesso modo, m	a ci sono anche guelle	i un si competano meglio	,
lim inf = F(n) e I (g(n) lim sup = F(n):	= () (u(n))		0. 8
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0 (	. 2			0 - on
TT (8(v)= ) +(n): 9 e, 10"	0 \( cg(n) \( f(n) \) \\ \n \\ \ n \\ \]	—> definitions di.	Ω.	
P(n) = A(a(n) 5, 0 500 50	E(n) c () (e(n)) e F(n) c () (n)	in can) (m	dio sta all'intemo)	
( (ii) @ O((ii) 22 C 2503 30	F(n) $\in$ $O(g(n))$ $\in$ F(n) $\in$ $\Omega(g)$ possions solve	im, ( www men	ALO GIAL GEO IINETIA	
	arienes aciesem signorale	miare		
⊕ (d(u)) ⊂ 0 (d(u)) (o bin, por cour d(u) cour d(u) o wed(no	A Sottoinsieme di O			
$\triangle (g(u)) \subset O(g(u))$	う o (g(n))			
(g(n)) c Il (g(n)) come o pu	wio.			
o of our to the training to	20,0			
tina classe the racinitude le funda (cn) o (a(n)) o (cn) o (a)	terni chu si comportano maglio di gl o e f (n) e c g(n), tin z no g	in) ma mai kanu -		
w (g(n)) puggio ma mai come w (g(n)) { F(n) ; 3 c, no 1 c	oe cg(n) < f(n) , tn > no }			
$(\theta, 0, 1)$	2,0 Tutte le n	ototei oni		
7 7 1 4	-, 0			
TOURSELLE MOTEONS IN	on x esimpi adinam	unto)		
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$$T(n) = \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i} = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n + \sum_{i \ge 0}^{\log n} (2^{i} \ln z)^{i}) = (n$$