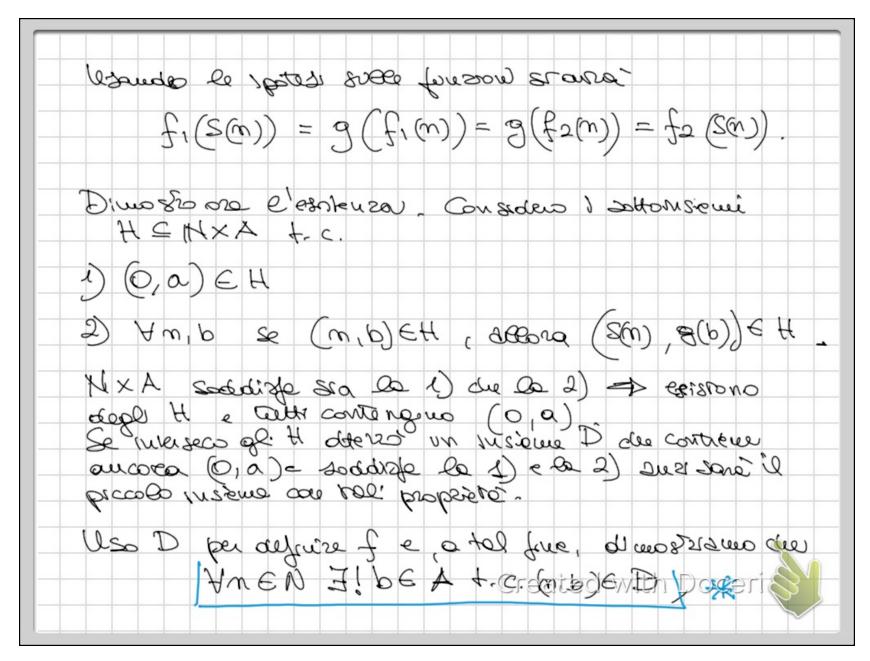
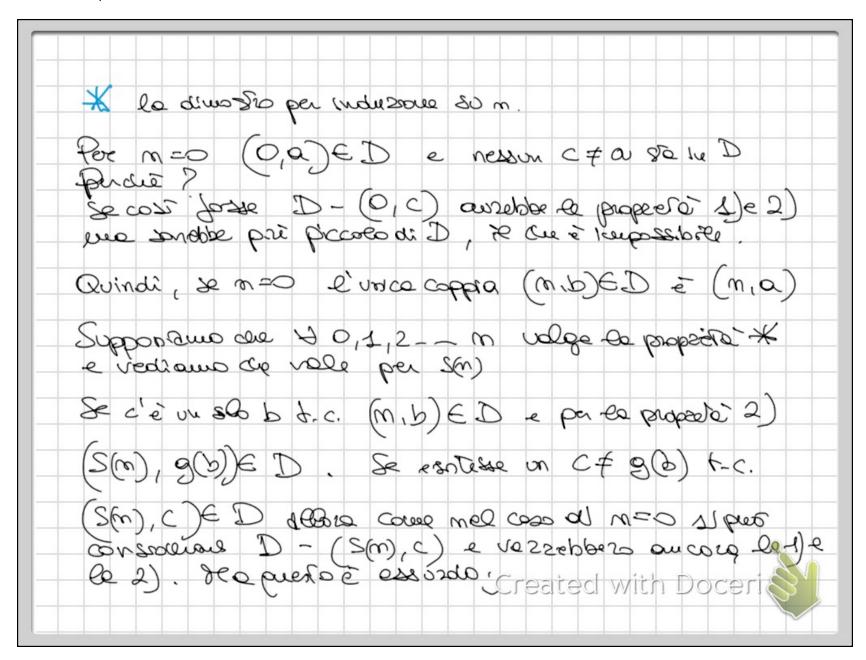
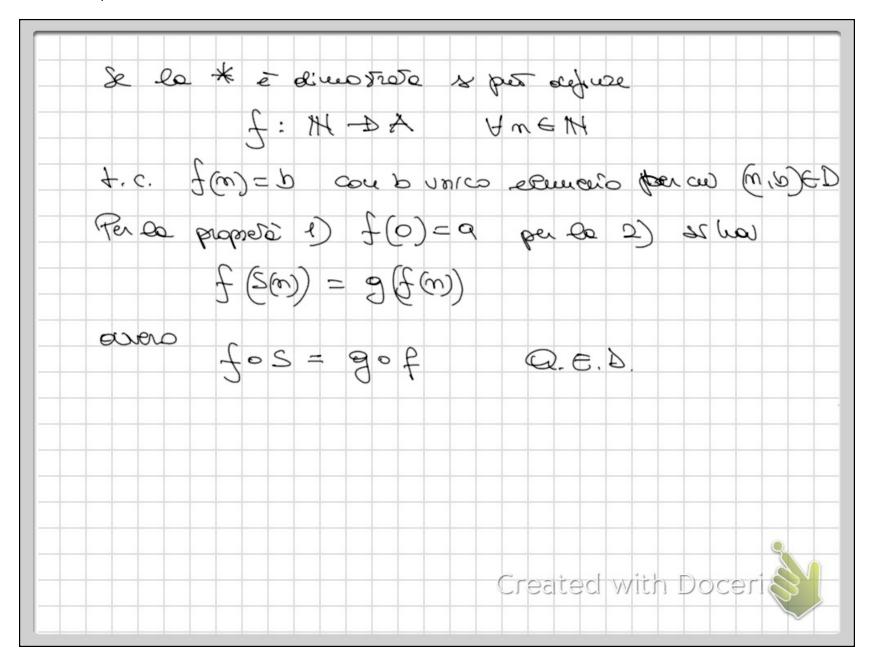
Lezione sel 8/10/2024 MEPVS
Dedekind
(th, +) L'openssone su in insèrme A è nea fonctione AXA — AXA
2 l'usème di tutte le coppie di elementi di *.
Lemento di Lementi di A associama un allra clemento di A il organisa.
"Smma" à via fousione des posse coppia d' muner nota sol: (2,3) orsocia le munero 5
de souve in M la définieur per ricorsense
$A(m,n) \in M$, $m \neq 0 = m$; $m \neq s(m) = s(m \neq n)$ $Es. (m \neq 0 = m)$; $m \neq 1 = s(m) = m \neq 1 = s(m)$

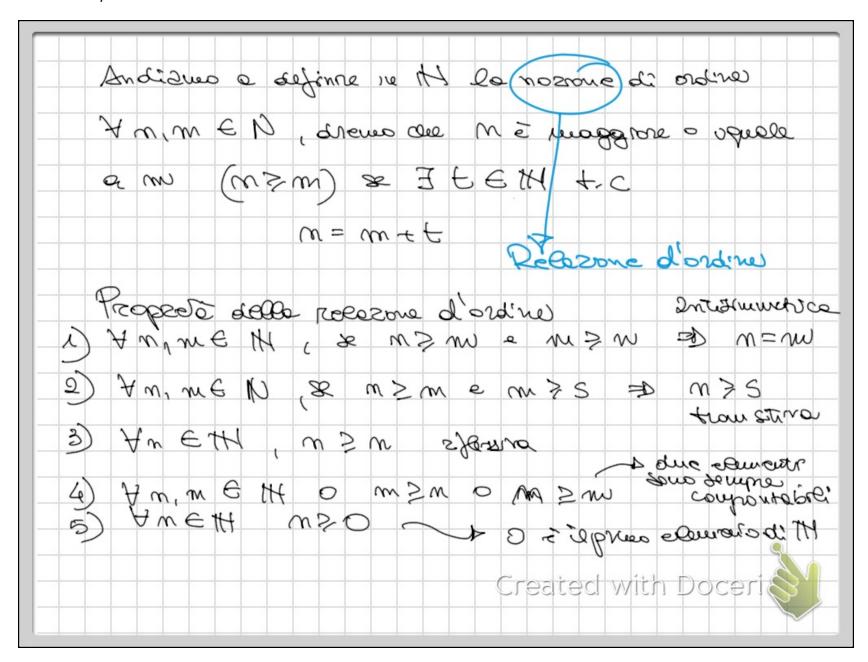
ES. 3t	3 = 5(5	(5(3)) =	6	
	= S(S.			
	o a m lo noglovo per o			
				a defensor
di Su	we per tul	e la coppi	saucon (b :	notuse.?

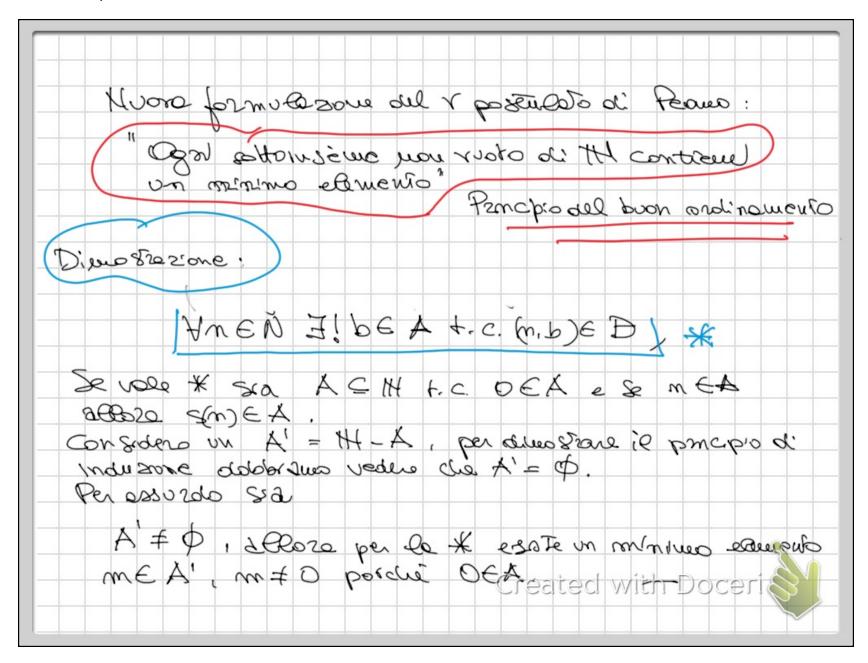
TEORERA di Dedekind 1888) di Ploorsever o Pronstone
Sco AM Institues, seo a EA un suo saucuto; sea
$g:A\to A$. Allow early one foreson $f:H\to A$ take the $f(0)=a$ of $f\circ S=g\circ f$
Dismo successors: Supportues de estatores 2 forsor fre fe
to Si sue per indusone su m de $f_1(m) = f_2(n) \ \forall m$ Sia $f_1(0) = f_2(0)$ (prime pero indutivo)
Suppose sur cle volga $f_1(n) = f_2(n)$ e volume to vole on the $f_1(n+1) = f_2(n+1)$ eated with Doceri

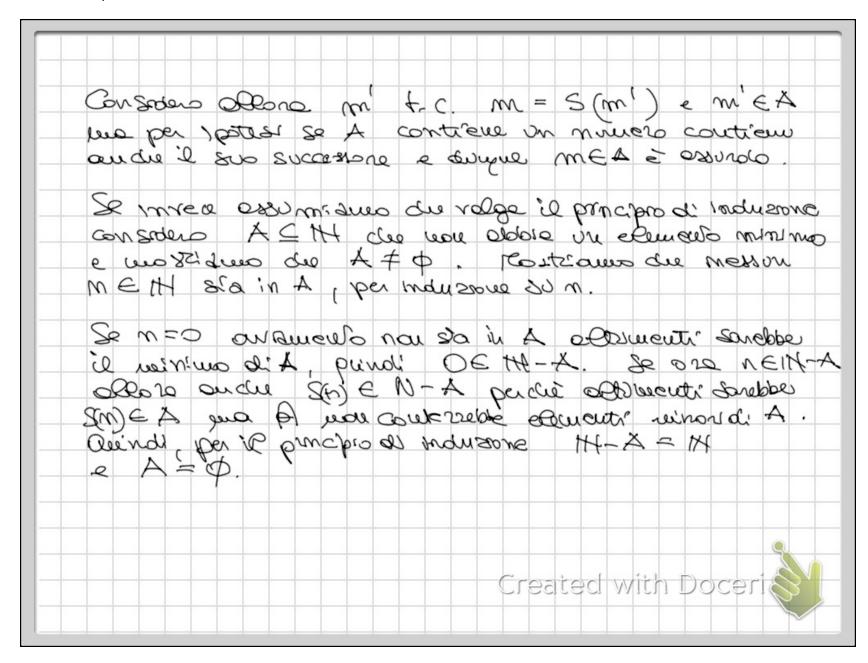


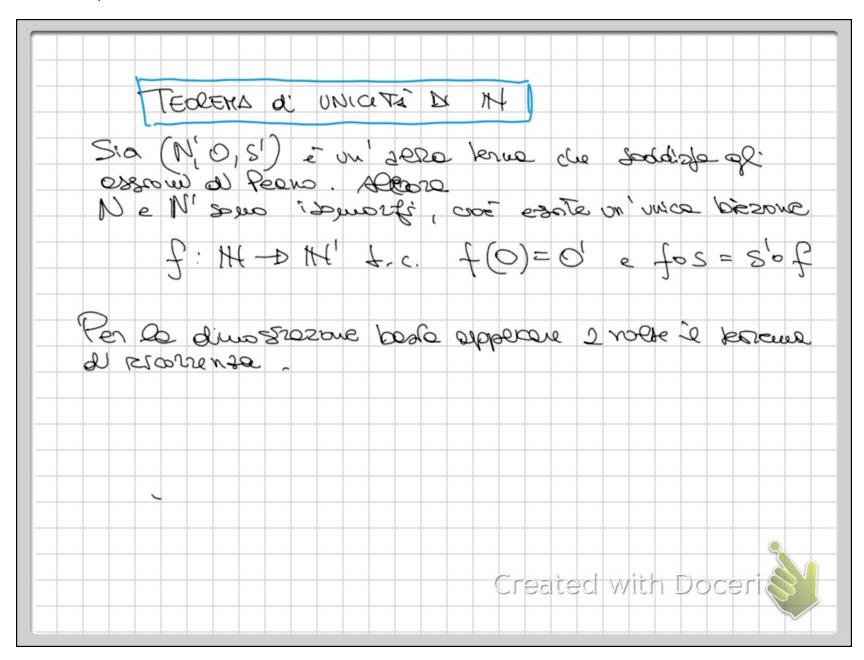






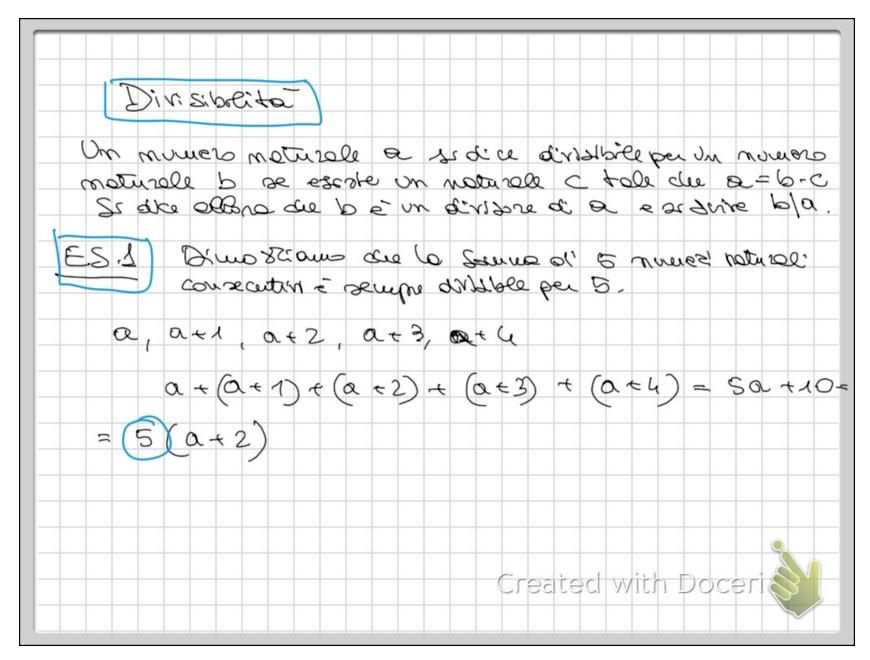


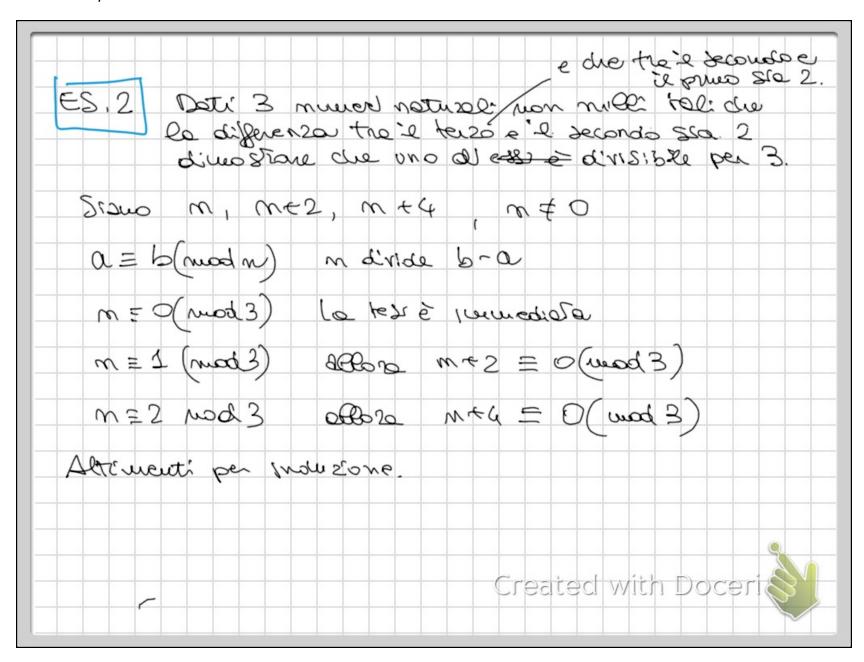




Le operazion Su M
L'aprosone a Serimo der gent gabs sedienti biolisios:
Si) Yn, m, t Ett, m+ (m+t) = (m+m) +t losscotrol
S) Yn Ettl, O+n = n+O = n esse l'elemato noutro
S3) Y m, m E tH, m+m = m+n commutativa
Se e Se de desur per brone e diver 20 13
Poe Induzione & m.
Se n =0 4 S3 S1 voluce 000 S2!
Se m=1 1+m=m+1 per mousone sum. Per m =0 - Olden Ruso De So Se è vers per un surseurs per mer 1+ S(m) = 1+ (m+1) = (++m)+1 = S(m)+1

Supportues de mem = men e redions de
$S(\omega) + \omega = \omega + S(\omega)$
Avreus are m+ s(m) = s (m+n) = s (n+m) =
= m + S(m) = m + (n+1) = m + (1+m) =
(m-1)+m=S(m)+m. QED.
Our vetimo proposto lago moetiperce e Suma
Sm) In $m, m, t \in N$, $m \times (m+t) = (n \times m) + (n \times t)$
propos distributiva all produtto copetto
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TES. 2) Per Down notwoll mon mole: m, m. de m seo d'usore d' m e contemposis m soo d'usore d' m e contemposis m = m.	rouente
some me divisse de me me divisse de me me divisse de me me a.m.	UW
$a, b \in H, a \neq 0, b \neq 0.$	
$A88020 m \cdot m = (a \cdot m) \cdot (b \cdot m) = ab \cdot m \cdot m \cdot $	= b ab = 1
Co Silva Des nel cons a = b = 1	
Non pri de assese n = m.	
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