



Lez. 20-21

20-21 Gen. 2022

PREMESSA

NELLA DISCUSSIONE CHE SEGUE VALGONO SEMPRE LE SEGUENTI ASSUNZIONI PRELIMINARI.

- 1) I È UN INTERVALLO IN R (ESCLUSIVAMENTE UNA SEMIRETTA O TUTTO R) CHE A TERRA NOI CASI NON PRESENTA CUNCI DI ANNI.
- 2) f ∈ C(I)
- 3) a_n ∈ I

DAI) SEDE CHE a_n È DEFINITO. VUOL'IN < 0 CHE f(a_n) ∈ I

IN PARTICOLARE VUOL'IN a_n ∈ I

INOLTRE VUOL'IN a_n ∈ I(a_n) < a_n, CIOÈ (a_n) È DECRESCENTE.

QUINDI a_n = inf(a_n) (I. a_n è un numero).

PER MOSTRARE CHE L ESISTE. MOSTREREMO CHE

a_n = f(a_n)

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TEO. 4

SE 1) f(a_n) = f(a_n) 2) f(a_n) = f(a_n)

ALLORA f(a_n) = f(a_n)

Dimo

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TEO. 5

SE 1) f(a_n) = f(a_n) 2) f(a_n) = f(a_n)

ALLORA f(a_n) = f(a_n)

Dimo

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