

Compute/calculate the limits of a sequence.

CLAN (niza) - term

Opsti clan – a general term (of a sequence)

D

Dat the phrase:

Dat je ... pomocu

The function f is given by

(*do not miss the definite article!*).

Dobijati (rezultat) we have/we obtain

Dobija se

Trougo N se dobija kada se

The N triangle is obtained by

Dovoljno

Dovoljno malo/veliko

Tada, ako je x dovoljno malo

You have to use the inversion in such case.

Thus, the correct translation: Then for x sufficiently small

(it is not correct to write: Then for a sufficiently small x or If x is sufficiently small)

Odrediti – determine

granicne vrednosti

Determine the limits of the following sequences

In Serbian assignments, you will find such expressions written with infinitive:
odrediti.

I

Ispitati – to check

Izlaziti, slediti – it follow

Indukcija – induction, matematička indukcija, matematičkom indukcijom se ustanovljava - If we apply induction to (4), we get (no articles in front of induction)

K

Kako je (in dependent clauses) – Since

KONVERGENCIJA – convergence

M

MONOTONIJA – monotonicity

O

ODAVDE - hence (compare: odatle, whence)

This is easily solved by using the imperative mood: determine (or compute, calculate – for izracunati)

O

Odredjeni integral – definite integral

Omoguciti – enable

Primedba – observation, remark

Pretpostavka - assumption,

pod pretpostavkom, da/under the assumption that

Primena

Example: primena Stolzove teoreme omogucava nam

The application of Stolz's theorem enables to

Pustajuci ovde – by letting herein

Neka je x proizvoljno izabrano – Let us arbitrarily fix

P

Postojati –

There exists D such that (No comma required!)

Posmatrani niz:

The sequence under consideration,

The observed sequence

Pretpostaviti

Pretpostavimo – suppose that, assume that

Protivrečnost – contradiction

R

Rasudjivanje – reasoning (better), or method

Istim rasudjivanjem

By the same method

Or: reasoning, The same reasoning applies to the case ..

Redom – respectively

Reci

Mozemo reci za niz da strogo raste

The sequence can be said to be strictly increasing

T

Tacan – true: hold

In assignments that use expression such as:

Da li su jednakosti tacne? Do not translate as: Are the following equalities true?

But Do the following equalities hold? (also do not miss the expression: the following)

Teme: vertex

Trougao – triangle

Z

Zakljuciti – moze se zakljuciti, it may be concluded (not: it can be concluded!)

Zavisnost –

U zavisnosti od – depending on

