Bir bakista yakinsak mi iraksak mi säyleyecegimiz

1 Geo. Seri: $\sum_{n=1}^{\infty} a_n r^{-1} \rightarrow |r| < 1 = 1 \, |raksak$

3 Daha genel 20 1 PSI + Yaknsak P-serisi: 20 1P4a 7P4a 7P6I + Irakiak (a: bir sayı)

AK Sodece a' ain kurvetleriai iceren kesirli bir genel terine sahip serinin yakınsaklığını islemsiz belirleme:

R(n) = P(n) olmak Stere [R(n) karakterini belirlerken:

P(n) > Payin ve paydanin en bûyûk derecesini belirle

Poyin derecesi > Paydonin derecesi = 1 Seri iroksak (n. Terim

Paydanin derecesi - Payin derecesi >1 =1 Seri yakinsak (Limit Testinden; payve paydanin derecesini

egitlemek ifin pollolon yokinsok seri seceriz حتملتا

Paydanin derecesi-Payin derecesi (1 =1 Seri iraksak (Yine Limit Testinden)

Orner.

 $\frac{\sum_{n=1}^{N-1} \frac{1}{n^2 + 3n^2}}{\sum_{n=1}^{N-1} \frac{1}{n^2 + 3n^2}} = \frac{\sum_{n=1}^{N-1} \frac{1}{n^2 + 3n^2}}{\sum_{n=1}^{N-1} \frac{1}{n^2 + 3n^2}} = \frac{\sum_$

Der (-11). 1 Der Jest = 1 Seri Rutlak Yaknsak

$$\frac{\partial net}{\partial s} \frac{c - i n}{\sqrt{n+1}} \rightarrow \rho = \frac{1}{2} < 1$$

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