

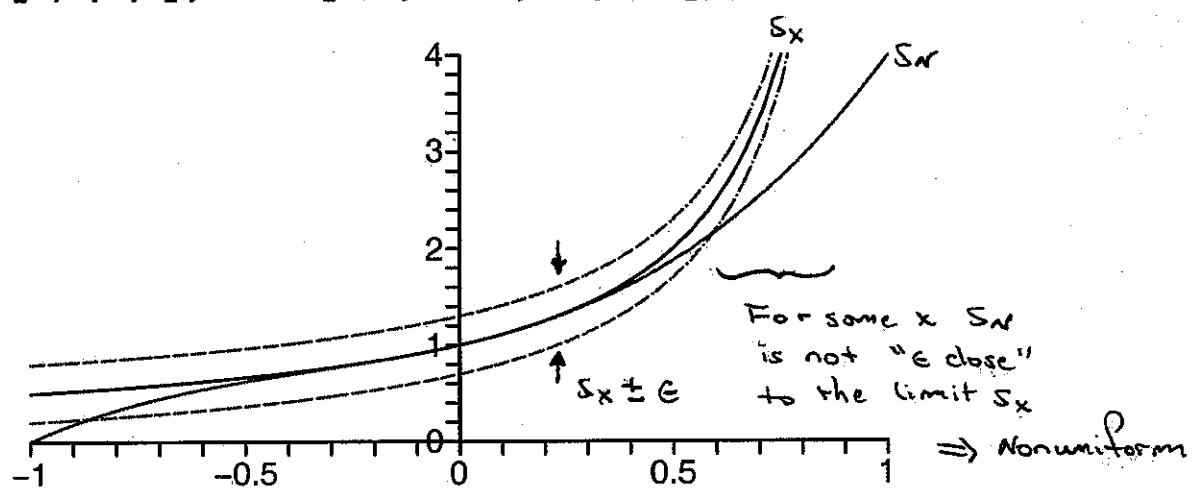
```
> SN:= sum( x^n, n=0..N);
subs(N=3, SN);
SX:= 1/(1-x);
```

$$SN := \frac{x^{(N+1)}}{x-1} - \frac{1}{x-1}$$

$$\frac{x^4}{x-1} - \frac{1}{x-1}$$

$$SX := \frac{1}{1-x}$$

```
> epsilon:= 0.3;
plot( [1/(1-x)-epsilon, SX, 1/(1-x)+epsilon, subs(N=3,SN)],
x=-1..1, 0..4,
linestyle=[2,1,2,1], color=[red,black,red,blue]);
```



```
> plot( [1/(1-x)-epsilon, SX, 1/(1-x)+epsilon, subs(N=6,SN)],
x=-1..1, 0..4,
linestyle=[2,1,2,1], color=[red,black,red,blue]);
```

