Answer on Question #63837, Programming & Computer Science / MatLAB | Mathematica | MathCAD | Maple

Write a function seqSum(a, N) that returns the sum of the sequence of a, a/2, a/3, ..., a/N where a and N are integers. The function should return the value of a + a/2 + a/3 + ... + a/N. You are not allowed to use "for" or "while" loop for this problem.

Solution:

```matlab
function S = seqSum(a, N)
    numerator = a*ones(1,N);
    denominator = 1:N;
    S = sum(numerator./denominator);
end
```

Output:

>> seqSum(2, 4)

ans =

   4.1667

>> seqSum(5, 40)

ans =

   21.3927