Sunday, April 26, 2020

0.24 DM

```
T_{1,1} =repeated trapezium on 1 interval T_{2,1} =repeated trapezium on 2 subintervals T_{3,1} =repeated trapezium on 2^2 subintervals T_{n,1} =repeated trapezium on 2^{n-1} subintervals
```

$$T_{i,j} = \frac{4^{-j+1}T_{i-1,j-1} - T_{i,j-1}}{4^{-j+1} - 1}, i = 2, ..., n, j = 2, ..., i.$$

$$T_{1,1}$$
 $T_{2,1}$ $T_{2,2}$
 $T_{3,1}$ $T_{3,2}$ $T_{3,3}$
 \vdots
 $T_{n,1}$ $T_{n,2}$... $T_{n,n-1}$ $T_{n,n}$