

### 100.38 Proof without words: sum of a numerical series by telescoping

Theorem: 
$$\sum_{n=1}^{\infty} \frac{2n + 1}{n^2 (n + 1)^2} = 1.$$

Proof: Here is a visual proof of the theorem:

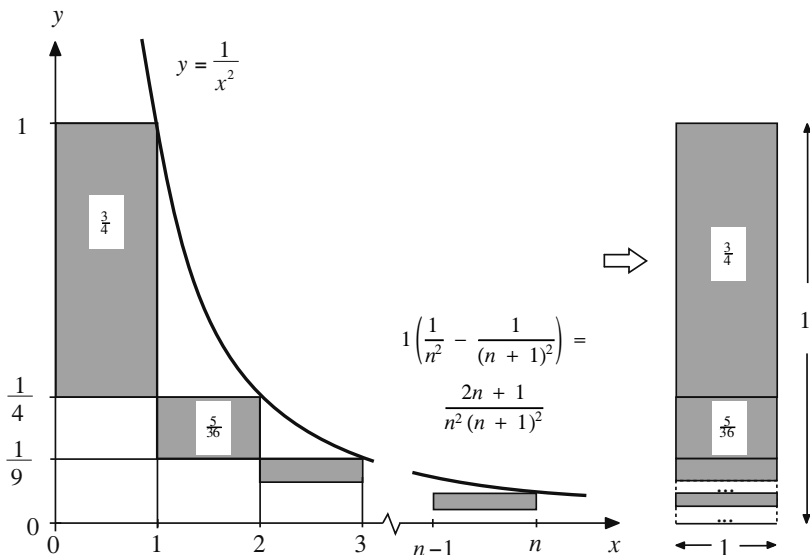


FIGURE 1

10.1017/mag.2016.125

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