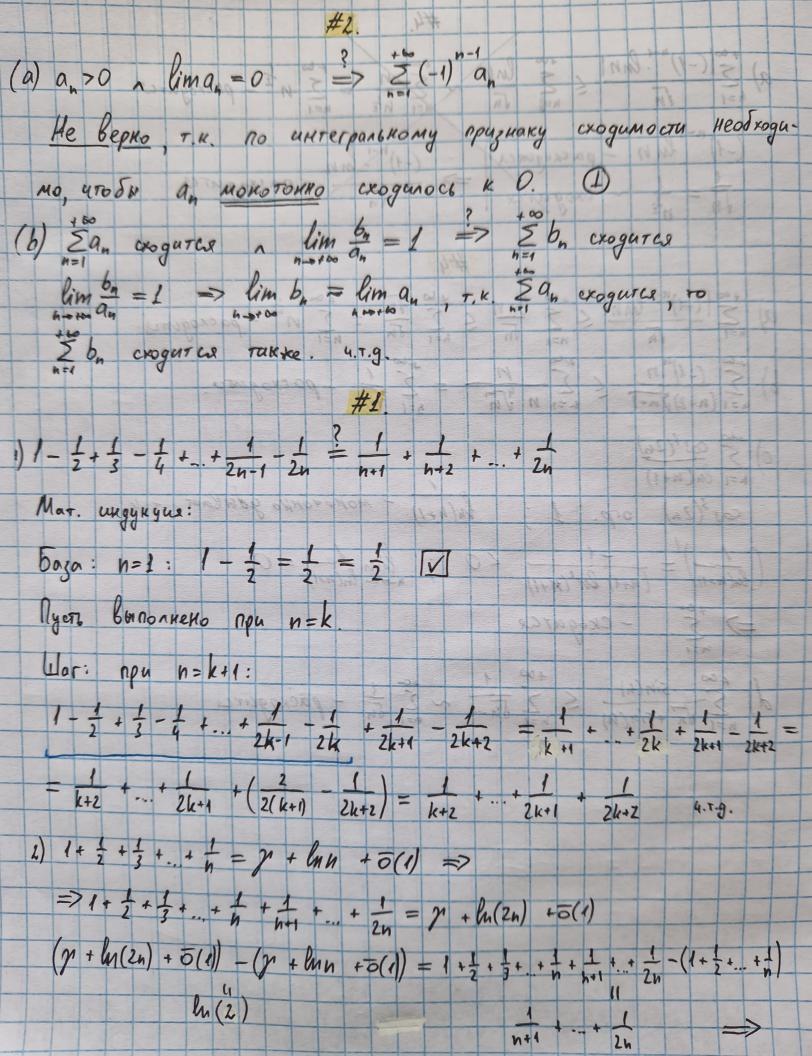
a)
$$\sum_{n=1}^{+\infty} \frac{|-1|^{n-1} \ln n|}{\ln n} \leq \sum_{n=1}^{+\infty} \frac{|-1|^{n}}{\ln n} \leq \sum_{n=1}^{+\infty} \frac{|-1|^{n}}{\ln n} = \sum_{n=1}^{+\infty} \frac{|-1$$



$$lm2 = \frac{1}{m+1} + \frac{1}{m+1} = 1 - \frac{1}{2} + \frac{1}{3} - \frac{1}{4} + \frac{1}{m+1} = \frac{1}{2m-1} = \frac{1}{m-1} =$$