

4.) (10 pts.) The series $\sum_{n=1}^{\infty} \frac{1}{n(1 + \ln n)^2}$ converges. What should n be so that the partial sum $S_n = \sum_{i=1}^n \frac{1}{i(1 + \ln i)^2}$ estimates the exact value of the series with error at most 0.1 ?