Exercises

E7.3 [OCS] Let e_n, d_n be two real sequences such that $d_n \le e_n$ for each n, and suppose that $\limsup_n e_n = \liminf_n d_n = b$ (possibly infinite): then show that $\lim_n e_n = \lim_n d_n = b$.

Solution 1. [OCT]