



STEP III, 2015 , Q2 EC

3. Under 20% attempted this, making it the least popular Pure question on the paper, and it was the least successfully attempted of all questions on the paper. Candidates seemed to find it intimidating, and many gave up before part (ii). They often got confused when dealing with separate cases and did not seem to understand what was required to show $\sec \theta > 0$ in part (i). Those that did make a stab at (ii) usually omitted a factor of two and most failed to find the correct limit to use.



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