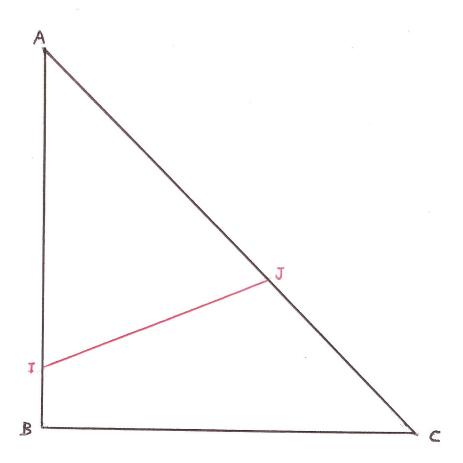
(A154747) 29th British Mathematical Olympiad, 1993, problem 2



$$BA = BC = 1$$

 $AC = sqrt(2)$

IJ =
$$sqrt(sqrt(2)-1)$$
 with AI = AJ = $1/2^{(1/4)}$ = $1/sqrt(sqrt(2))$

Bernard Schott, 21/12/2020