## 667B - Coat of Anticubism

It is possible to make a convex polygon with given side lengths if and only if a generalized triangle inequality holds: the length of the longest side is less than the sum of lengths of other sides. It is impossible to make a convex polygon from a given set, so there is a side which is longest than (or equals to) than sum of others. Assume it is greater by k; then it is sufficient to add a rod of length k+1. More, it is clear that adding any shorter length wouldn't satisfy the inequality. Thus the answer for the problem is  $\max(l_1,\ldots,l_n)-(l_1+\cdots+l_n-\max(l_1,\ldots,l_n))+1$ .