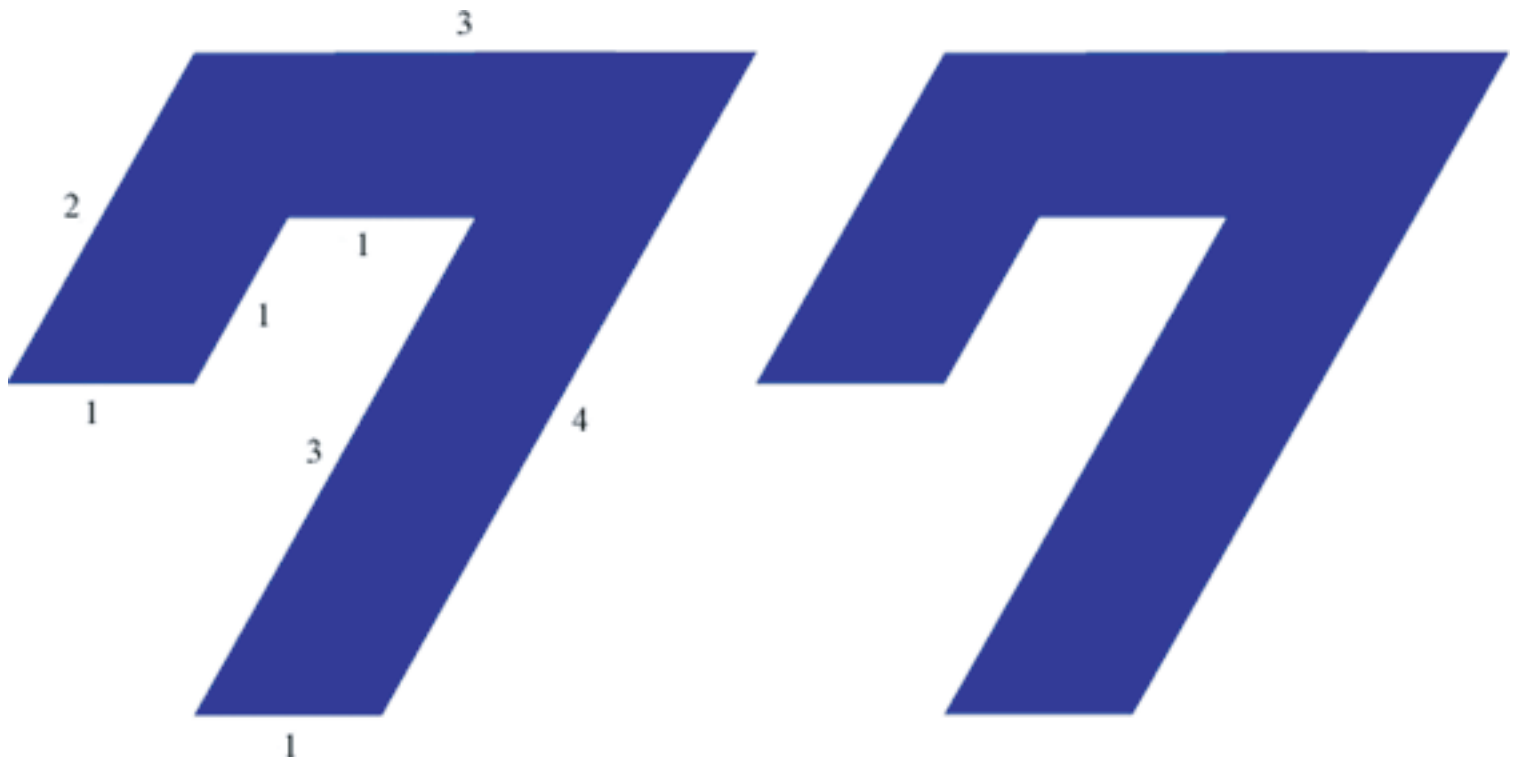Puzzle ID : **INPC2005-01**

77 figure dissection

Cut two sevens into numbers of pieces. Put together them, then, make a regular triangle and a square which are just same area as a seven both.
Numbers of pieces is minimum best.

77 figure dissection

Answer Key: Number of Pieces altogether. Show the cutting figure on two 7s and show a triangle and a square with cutting lines.

Puzzle ID : **INPC2005-02**

pup zuz puzzle

Find the longest character string only consisting of " p ", " u ", and " z ", such that it does not include an iterative substring, and also includes neither " puz " nor " zup " as substring.
For example, " pzz " is not the case because it repeats " z ", and " zpuzpz " is not good too because it has " puz ". Such a string as " zpupzu " is good, but find the longest.

Answer Key: Write the longest character string. Enjoy careful thinking!