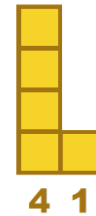


# King Kong Skyscrapers

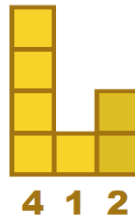
King Kong starts with a skyscraper



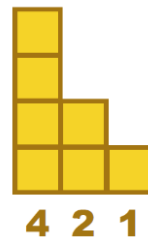
King Kong removes the top floor from each column of the skyscraper...



He then makes a new column out of the floors he has removed...



He now organises the columns tallest to shortest...



Can you show that if he does this process again starting with 421 he gets to:



What happens if he continues?

What happens if he starts with 6 floors instead of 7?

What other starting numbers have the same pattern as 6?