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public static void bulgarianSolitaire(int numCards) {
    ArrayList<Integer> bulgaria = new ArrayList<>();
    ArrayList<Integer> ideal = new ArrayList<>();
    Random randy = new Random();
    int left = numCards;
    int nextPile = 0;
    int newVal = 0;
    int sum = 0;
    int added = 0;
    for (int i = 1; sum<numCards; i++) {
        ideal.add(i);
        sum+=i;
    }
    while (left>0) {
        added = randy.nextInt(left)+1;
        bulgaria.add(added);
        left = left-added;
    }
    for (int i = 0; i==0;) {
        nextPile=0;
        for (int j = 0; j<bulgaria.size(); j++) {
            newVal = bulgaria.get(j) - 1;
            bulgaria.set(j, newVal);
            if(bulgaria.get(j) == 0) {
                bulgaria.remove(j);
                j--;
            }
        }
        nextPile++;
    }
    if(nextPile != 0)
        bulgaria.add(nextPile);
    System.out.println(bulgaria);
    if(bulgaria.equals(ideal)) {
        break;
    }
}
// Check if given number of cards is triangular
int n = (int) Math.sqrt(2*numCards);
if (n*(n+1)/2 != numCards) {

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        System.out.println(numCards + " is not  
triangular");  
        return;  
    }  
  
}
```