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public static void bulgarianSolitaire(int numCards) {

    // Check if given number of cards is triangular
    int n = (int) Math.sqrt(2*numCards);
    if (n*(n+1)/2 != numCards) {
        System.out.println(numCards + " is not triangular");
        return;
    }

    ArrayList<Integer> res = new ArrayList<Integer>();
    ArrayList<Integer> piles = new ArrayList<Integer>();

    Random randy = new Random();
    int num = numCards;
    while (num > 0) {
        int subtract = randy.nextInt(num)+1;
        piles.add(subtract);
        num-=subtract;
    }
    System.out.println("Starting piles: " + piles);
    int sum = 0;
    int count = 0; //number of elements
    for (int i = 1; sum != numCards; i++) {
        sum+=i;
        count++;
        res.add(i);
    }

    while (piles.containsAll(res) == false) {
        int elements = piles.size();

        for (int i = 0; i < piles.size(); i++) {
            piles.set(i, piles.get(i)-1);
            if(piles.get(i) == 0) {
                piles.remove(i);
                i--;
            }
        }
        piles.add(elements);
        System.out.println(piles);
    }
}

```

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System.out.println("Ending piles: " + piles);  
}
```