**Ways to get to 200**

All the possible ways to get to 200 using the pound sterling coins.

I understand that I have to use partition functions.

Find all the ways to get to 200 via all the ways to get to 100, 50, 20, 5, 2, 1

The way to get to 1:
1

The way to get to 2:
1+1
2

The way to get to 3:
1+1+1
2+1

The way to get to 4:
1+1+1+1
1+1+2
1+3
2+2

The way to get to 5:
1+1+1+1+1
1+1+1+2
1+1+3
1+2+2

There is definitely a pattern related how to get the max of the next number, because it is a function of the previous number, n +1