## 1 Example 3: 2 + 3

Breaking down the recursion step-by-step:

$$2+3 = (2+2)+1$$

$$= ((2+1)+1)+1$$

$$= (((2+0)+1)+1)+1$$

$$= ((2+1)+1)+1$$

$$= (3+1)+1$$

$$= 4+1$$

$$= 5$$