1 Example 2: 0+4

Using the recursive definition:

$$0+4 = (0+3)+1$$

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

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

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

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

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

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

$$= 3+1$$

$$= 4$$