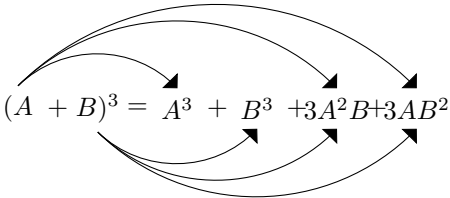


$$(A + B)^3 = A^3 + B^3 + 3A^2B + 3AB^2$$


The diagram illustrates the expansion of the binomial expression  $(A + B)^3$  into its constituent terms. On the left, the expression  $(A + B)^3$  is shown. On the right, the expanded form  $A^3 + B^3 + 3A^2B + 3AB^2$  is displayed. Four curved arrows originate from the left side of the equation and point to each of the four terms on the right:  $A^3$ ,  $B^3$ ,  $3A^2B$ , and  $3AB^2$ . The arrows are arranged in two pairs, one pair curving upwards and the other pair curving downwards, visually connecting the single binomial on the left to the sum of four terms on the right.