

The diagram illustrates the binomial expansion of $(a+b)^5$ using a sequence of rectangles. The top row shows 10 rectangles, representing the first term a^5 . The second row shows 5 rectangles, representing the second term $5a^4b$. The third row shows 6 rectangles, representing the third term $10a^3b^2$. The fourth row shows 2 rectangles, representing the fourth term $10a^2b^3$. The fifth row shows 4 rectangles, representing the fifth term $5ab^4$. The sixth row, which would represent the constant term b^5 , is not shown.

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