



Vocabularies	
$a \cdot b$ "a times b"	
"a multiplied by b"	
"a into b"	
$\frac{a}{b}$ " <i>a</i> divided by <i>b</i> " " <i>a</i> by <i>b</i> " " <i>a</i> over <i>b</i> " ( <i>a</i> : numerator (Zähler), <i>b</i> : denominator (Nenner)) $a^b$ " <i>a</i> raised to the <i>b</i> -th power"	
" <i>a</i> to the <i>b</i> -th"	
"a raised to the power of b"	
" <i>a</i> to the power of <i>b</i> "	
"a raised to b"	
<i>"a</i> to the <i>b</i> "	
"a raised by the exponent of b"	
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## 3 Goals

- Gain knowledge about efficient algorithms for important problems, i.e., learn how to solve certain types of problems efficiently.
- Learn how to analyze and judge the efficiency of algorithms.
- Learn how to design efficient algorithms.

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