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Discrete Mathematics
 이산 vs continuous → 미분, 적분, calculus
 countable. real #

1. The Foundation: Logic and Proof

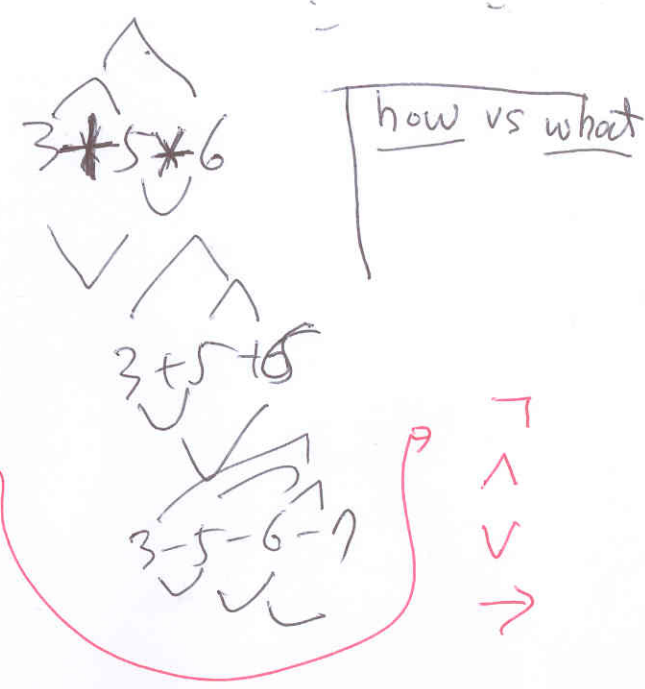
예제
 \emptyset $\{1, 2\}$ $\{1, 2, 3\}$
 해

1.1 Propositional Logic logical operator \neg, \wedge, \vee
 (not) (and) (or)

$P \rightarrow T | F | TP | P \wedge P | P \vee P$
 (variable: 변수)

exp. $\frac{1}{2} \rightarrow$ number | variable | exp + exp | exp x exp
 | - exp | * $\frac{1}{2}$ sin ...

infix binary operator.
 ambiguity (어디에서부터) \rightarrow
 $((p \vee q) \wedge r)$



precedence high vs low diff. operator
 associativity same operator
 left vs right