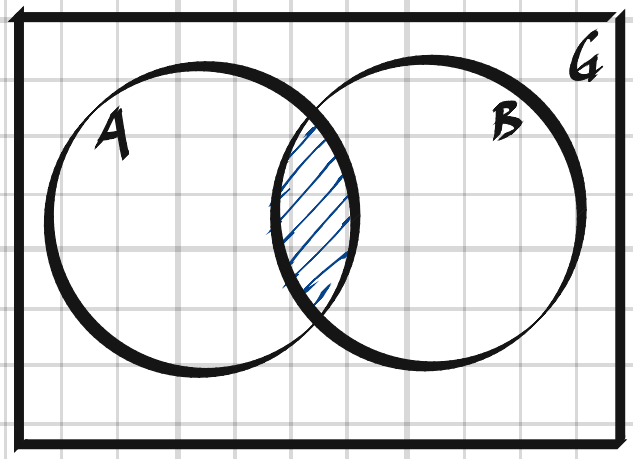
Mängdoperatorer och Venndiagram

ex. $G = \{1,2,3,4,5,6,7,8,9,10\}$

$A = \{2,4,6,8,9\}$, $B = \{2,5,7,8\}$

Snittet $A \cap B$

(A and B)

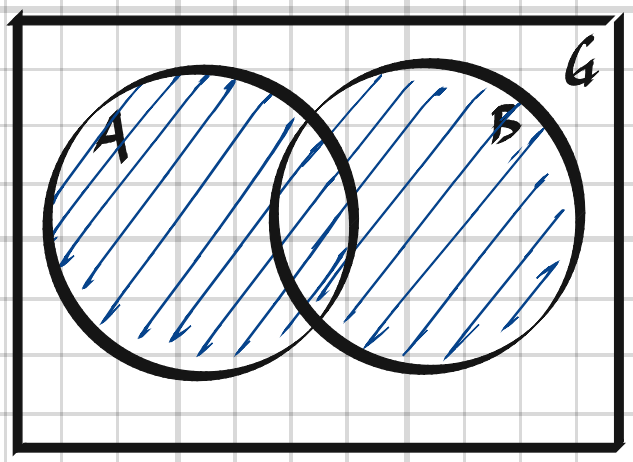


$A \cap B = \{2,8\}$

$|A \cap B| = 2$

Unionen $A \cup B$

(A or B)

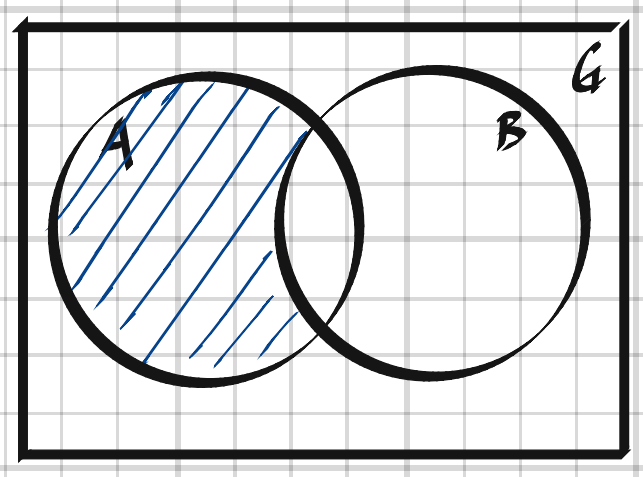


$A \cup B = \{2,4,5,6,7,8,9\}$

$|A \cup B| = 7$

Mängddifferensen

$A \setminus B$

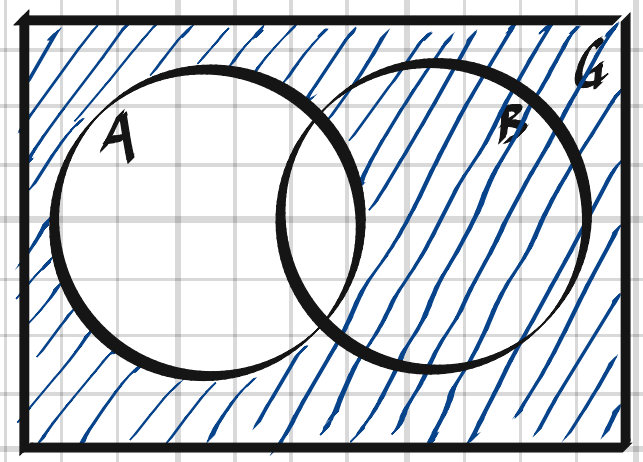


$A \setminus B = \{4,6,9\}$

$|A \setminus B| = 3$

Komplementmängden

A^c



$A^c = \{1,3,5,7,10\}$

$|A^c| = 5$