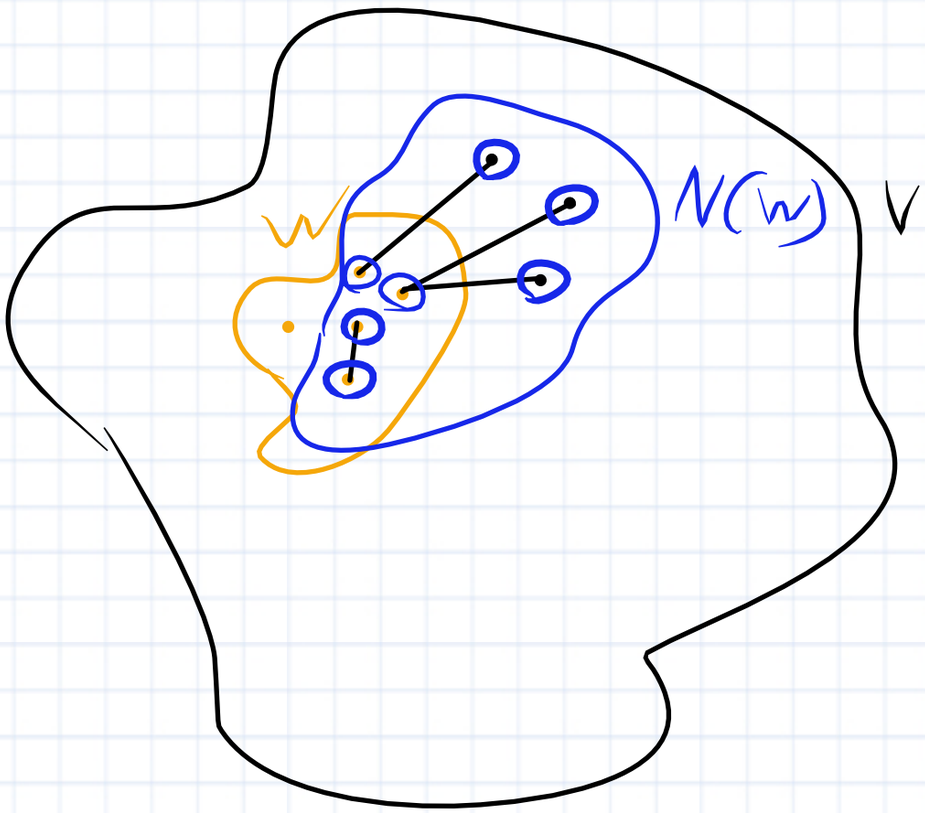
$G = (V, E)$, $W \subseteq V$

$$N(W) = \{v \in V : \exists_{w \in W} \{v, w\} \in E\}$$




## Warunek Halla

$G := (A \cup B, E)$ ← dwudzielny

$A' \subseteq A \implies |N(A')| \geq |A'|$

$B' \subseteq B \implies |N(B')| \geq |B'|$

## Warunek Halla spełniony

$\iff$

Istnieje skojarzenie doskonałe

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