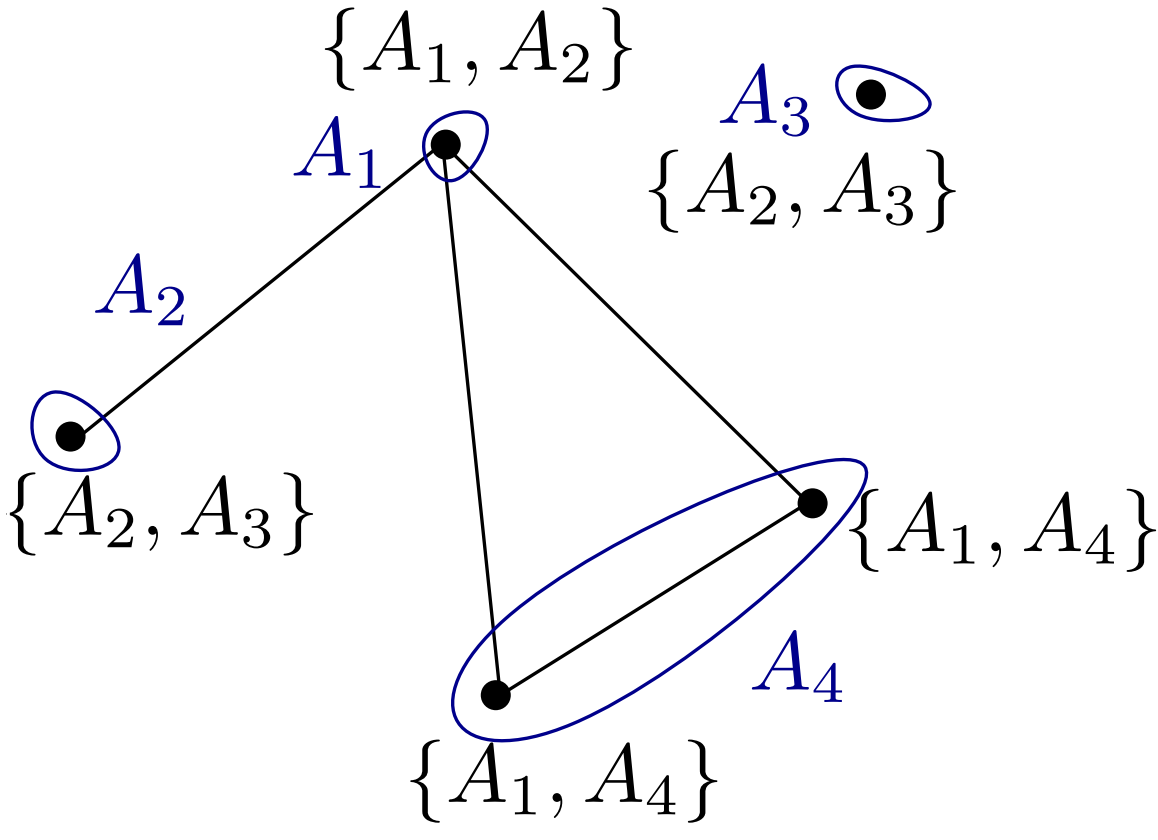
$\{A_1, A_2\}$
A_3
A_1
$\{A_2, A_3\}$
A_2
$\{A_2, A_3\}$
$\{A_1, A_4\}$
A_4
$\{A_1, A_4\}$