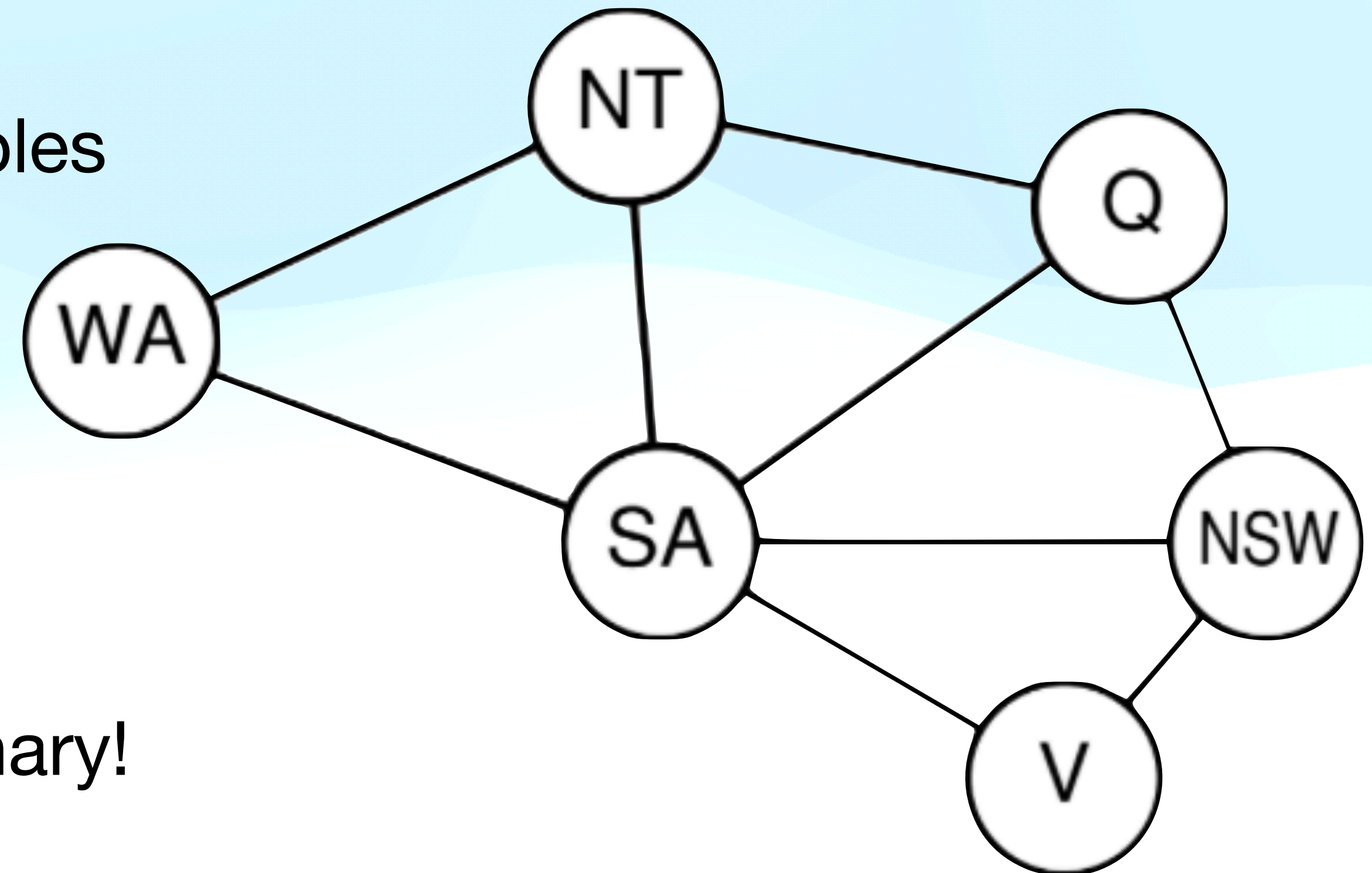


Binary CSP, Constraint Graph

- Each constraint only contains two variables
 - Node: variables, unary constraint
 - Edge: binary constraint
-
- A simple case of CSP! Not all CSP is binary!



Example

- Dependency requirements
 - Numpy (ver A, B, C)
 - Scipy (ver D, E, F)
 - Pytorch (ver X, Y, Z)
- Parallel Build order
 - $A \leftarrow \{B, C\}$
 - $B \leftarrow \{E\}$
 - $C \leftarrow \{D, E, F\}$
 - $D, E, F \leftarrow \{\}$
 - $G \leftarrow \{C\}$