

Operations on Cubes

Union (or sum) of two cubes, written as $c \cup d$ or $c+d$, is the set of vertices covered by the input part of either c or d

Basic idea: combine all cubes

$$c_i = [2 \ 0 \ 2 \ 4 \ 3]$$

$$d_i = [1 \ 2 \ 0 \ 4 \ 3]$$

$$c_i \cup d_i = [2 \ 0 \ 2 \ 3 \ 4]$$

$$[1 \ 2 \ 0 \ 4 \ 3]$$