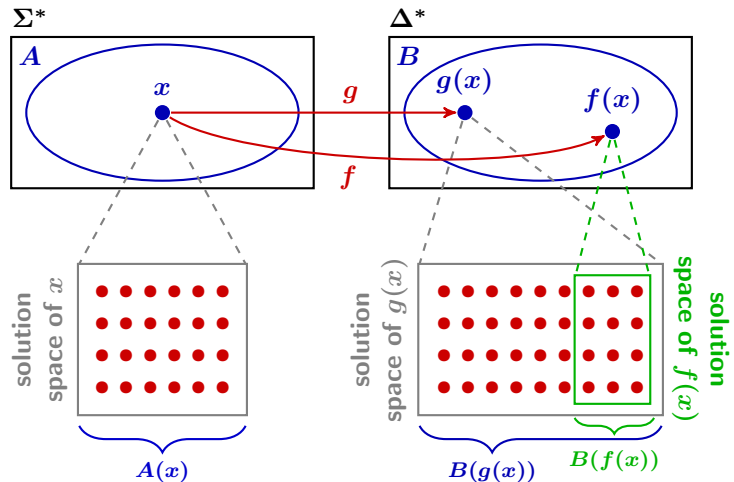


**parsimonious reductions maintain cardinalities of the solution spaces, so  $|A(x)| = |B(f(x))|$**



**subtractive reductions recalculate cardinalities:  $|A(x)| = |B(g(x))| - |B(f(x))|$**