

Preference filters:

*all preferences for same identifier and attribute are input to filters
each filter may remove some of the candidates
only some filters may exit*

Outcome of preference resolution

All preferences for identifier and attribute

RequireFilter

one required value

one selected

multiple required values

required is also prohibited

**constraint-failure
impasse**

*else, pass along
all candidates*

no acceptable values

**none selected
(this will lead to
a no-change
impasse if this
was an operator)**

AcceptableFilter

*all acceptable
candidates are
passed on*

ProhibitFilter

*all non-prohibited
candidates are
passed on*

RejectFilter

*all non-rejected
candidates are
passed on*

one value both better and
worse than another

two values better than each other

conflict impasse

BetterWorseFilter

*pass along
only candidates
that are better; if none,
pass on those that
are not worse*

two values worse
than each other

BestFilter

*pass along only
candidates that are
best; if none, pass on
all candidates*

WorstFilter

*all non-worst
candidates are
passed on*

remaining values are
ALL mutually indifferent

**one will be chosen
based on
user-select setting**

IndifferentFilter

*pass along
all candidates*

attribute is an operator
and values are NOT
mutually indifferent

tie impasse

ParallelFilter

values are
mutually parallel

select all

values are not
mutually parallel

tie impasse