

Standard qsort (using append)

```
qsort([], []).
qsort([X|L],SL) :-
    partition(L,X,Left,Right),
    qsort(Left,SLeft),
    qsort(Right,SRight),
    append(SLeft,[X|SRight],SL).
```

```
partition([],_B,[],[]).
partition([E|R],C,[E|Left1],Right):-
    E < C,
    partition(R,C,Left1,Right).
partition([E|R],C,Left,[E|Right1]):-
    E >= C,
    partition(R,C,Left,Right1).
```