## Interval search tree: analysis

Implementation. Use a red-black BST to guarantee performance (easy to maintain auxiliary information using log N extra work per op).

operation	brute	interval search tree	best in theory
insert interval	1	log N	log N
find interval	N	log N	log N
delete interval	N	log N	log N
find any one interval	N	log N	log N
that intersects (lo, hi)			
final all intervals	N	R log N	R + log N
that intersects (lo, hi)			

order of growth of running time for N intervals.

