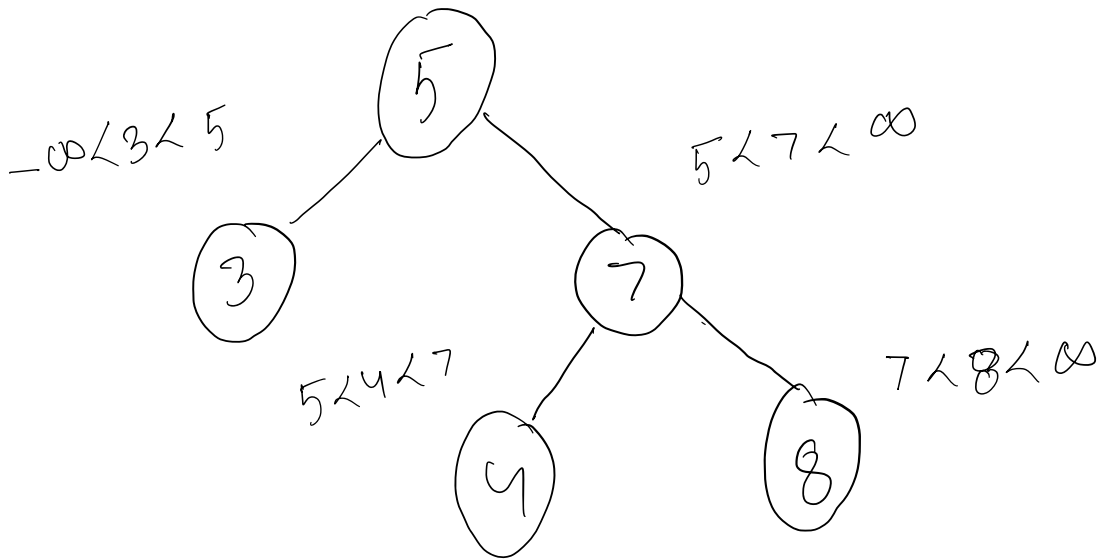


$-\infty = \text{LONG_MIN}$

$\infty = \text{LONG_MAX}$

$-\infty < 5 < \infty$



For left child update right value, as it should be less than the right value.

For right child update left value as it should be greater than left value.