H-tree embedding
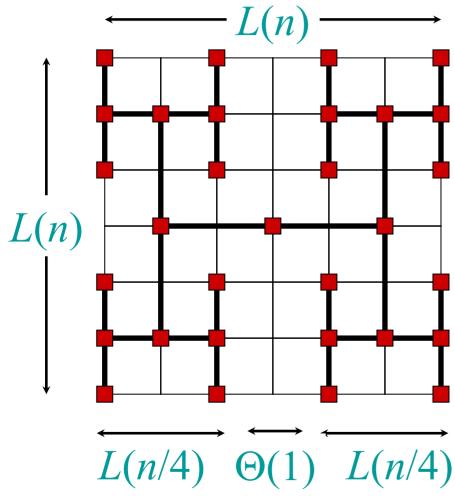

$$L(n) = 2L(n/4) + \Theta(1)$$
$$= \Theta(\sqrt{n})$$

$$\text{Area} = \Theta(n)$$