

Extensible Hashing Example

Suppose that the global depth is 2 and the bucket size is 4.

Suppose that we have records with these keys and hash function $h(\text{key}) = \text{key} \bmod 64$.

key	$h(\text{key}) = \text{key} \bmod 64$	bit pattern
288	32	100000
8	8	001000
1064	40	101000
120	56	111000
148	20	010100
204	12	001100
641	1	000001
700	60	111100
258	2	000010
1586	50	110010
44	44	101010

LOCAL DEPTH

Insert

GLOBAL DEPTH

288

8

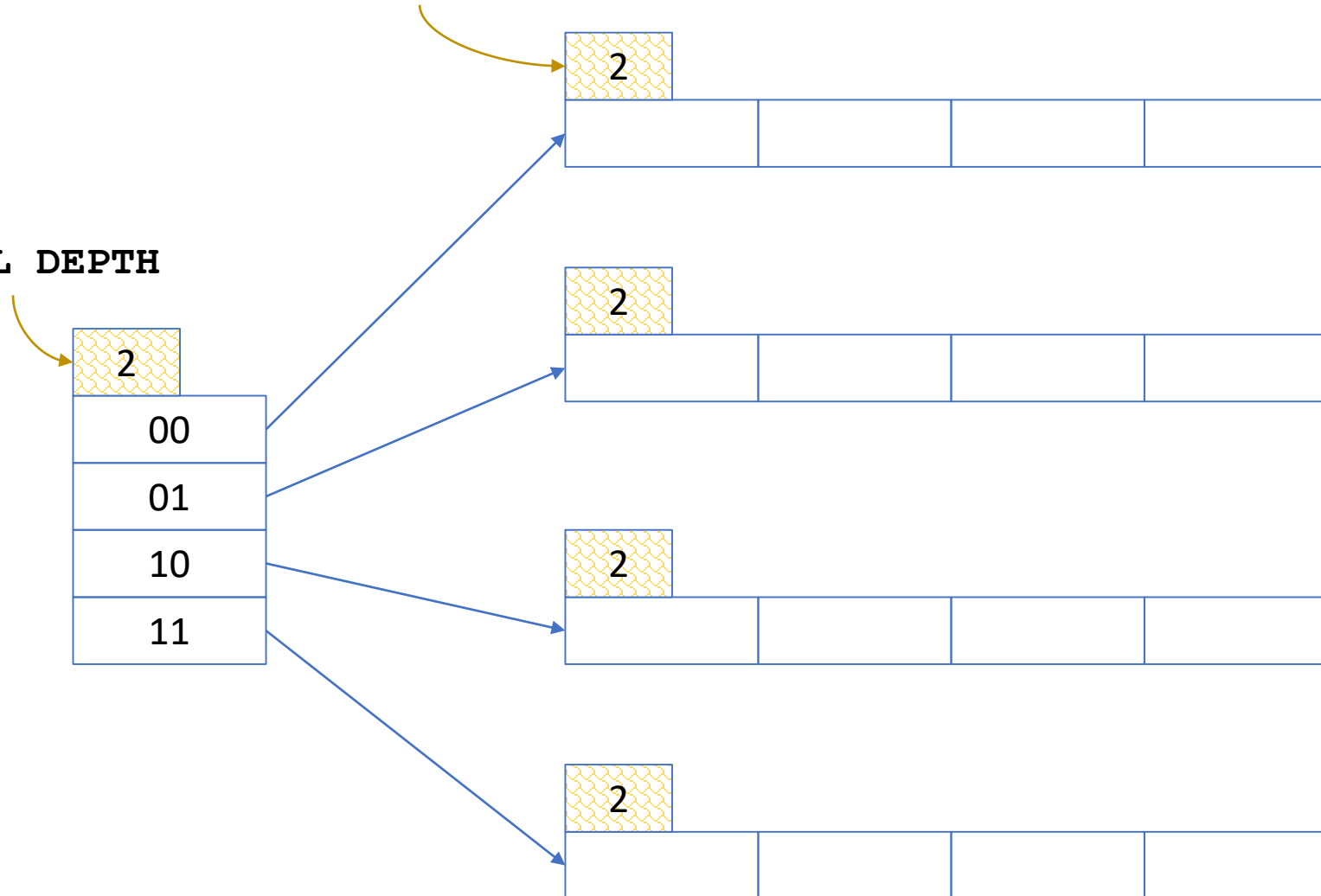
258

641

1064

700

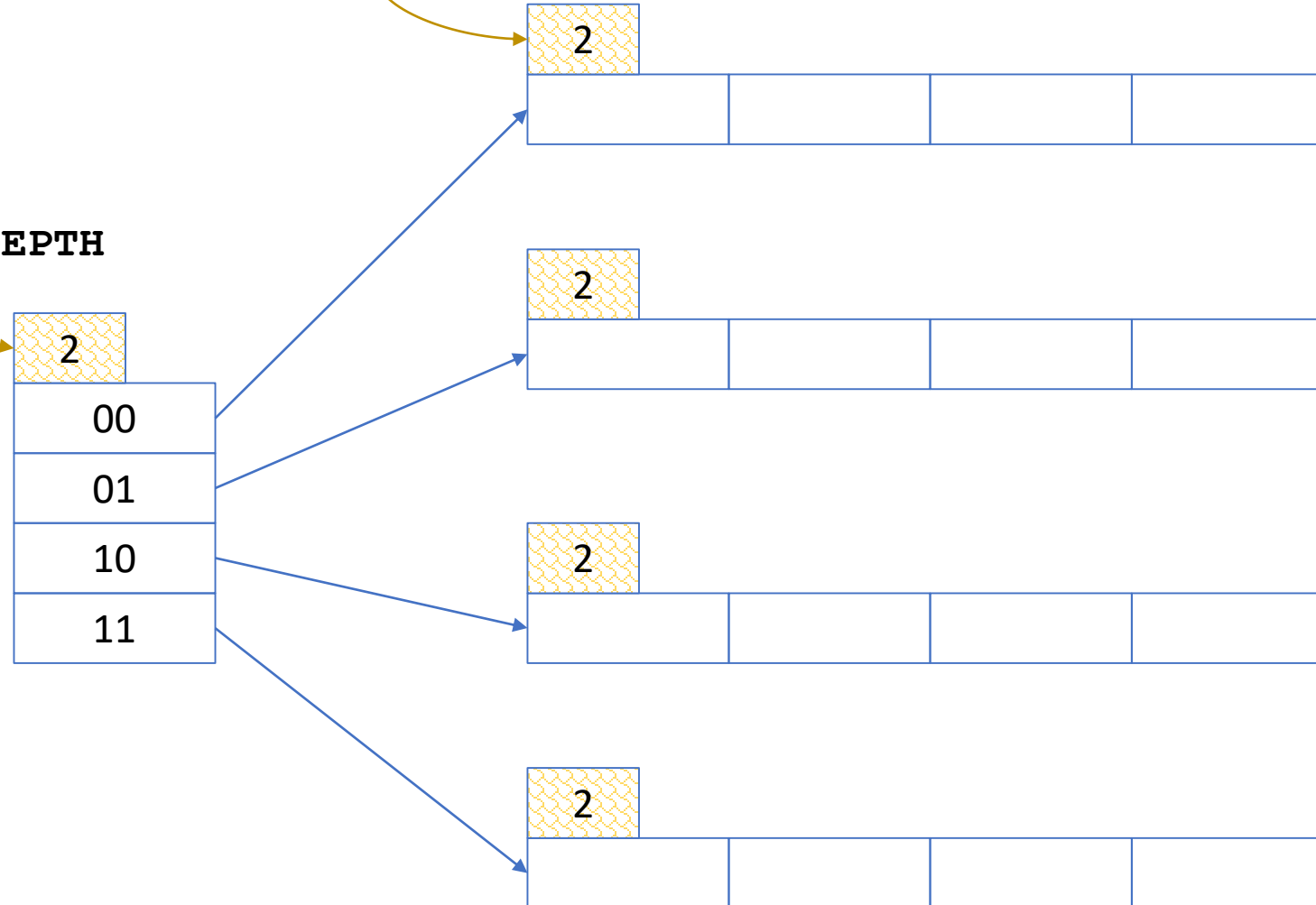
204



LOCAL DEPTH

Insert

GLOBAL DEPTH



288

8

258

641

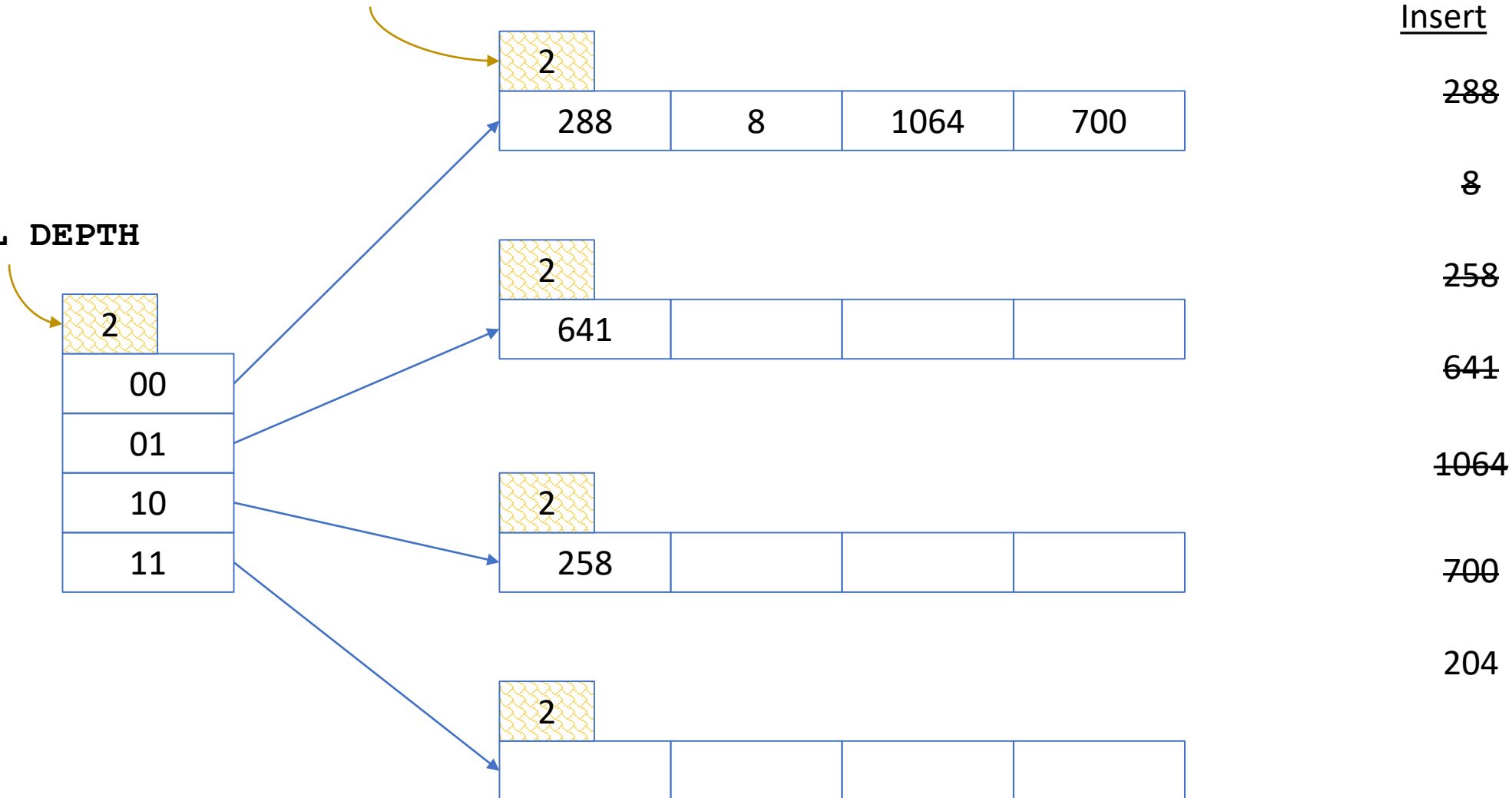
1064

700

LOCAL DEPTH

Insert

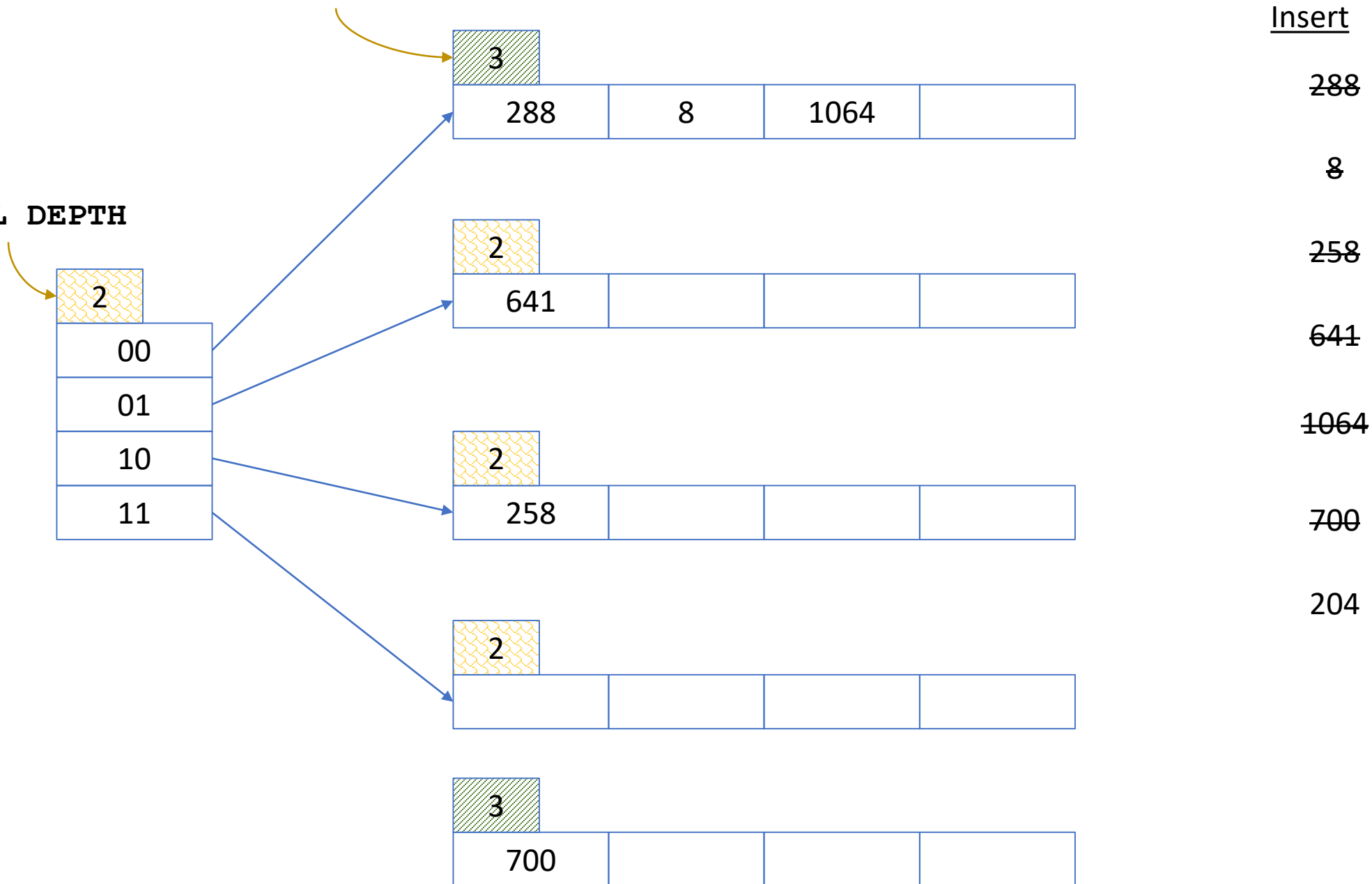
GLOBAL DEPTH



LOCAL DEPTH

Insert

GLOBAL DEPTH



LOCAL DEPTH

Insert

GLOBAL DEPTH

