

Btree of order m (m = maximum number of children)

A Btree of order m is a m -way search tree where all failures (ϕ subtrees) are on same level. A Btree node has structure

$t_0 (k_1 t_1) (k_2 t_2) \dots (k_m t_m)$

① value of all keys in t_i
 $\underline{k_{i-1}} < \underline{\text{all keys in } t_i} \leq \underline{k_i}$

② $k_i \leq k_{i+1}$ for all $i = 1, \dots, m$

Btree of order $m=4$

(2,4) tree





