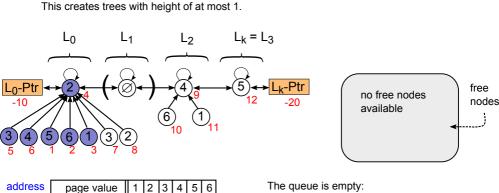
Cleanup procedure: Step 1: Apply a find operation with path compression to all 2m=12 nodes.



Q = []

node id	1	2	3	4	5	6	7	8	9	10	11	12
page value	5	6	1	2	3	4	3	2	4	6	1	5
parent	4	4	4	4	4	4	4	4	9	9	9	12
left	-1	-1	-1	-10	-1	-1	-1	-1	4	-1	-1	9
right	-1	-1	-1	9	-1	-1	-1	-1	12	-1	-1	-20
count	0	0	0	0	0	0	0	0	1	0	0	0
marked	1	1	1	1	1	1	0	0	0	0	0	0
	_	_	_	-	_	_	_	_		-	_	_

The parent array shows that nodes 2,3,7,8 are now directly

array

node id

linked to node 4 due to path compression.

L0-Ptr = 4l k-Ptr = 12

The variables L0-Ptr and I k-Ptr

The rank value of nodes

1 and 4 are updated due to path compression:

rank[1] = 0rank[4] = 1