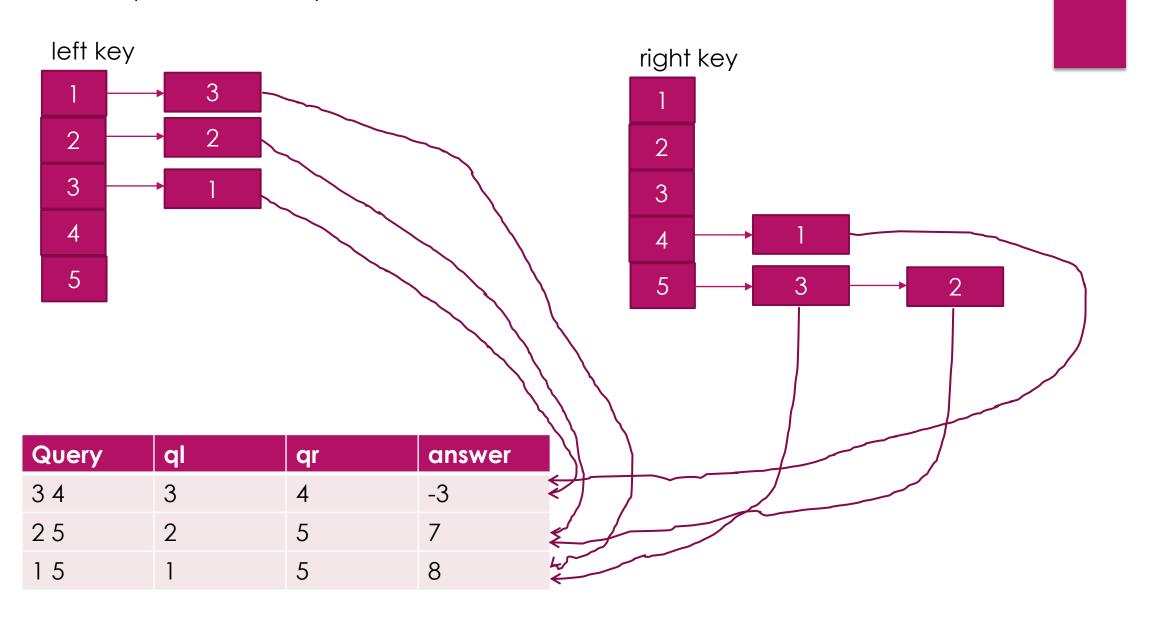
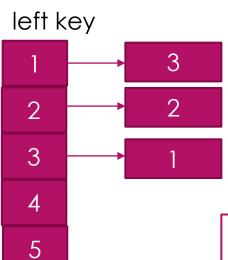
Query	ql	qr	answer
3 4	3	4	-3
2 5	2	5	7
1 5	1	5	8

for a node (I,r), which queries can be updated, how to update their answers:

- 1. | 1. | 1. | 1. | 1. | 2. | 3. | 3. | 4. | 4. | 5. | 5. | 6. | 6. | 7. | 7. | 8. | 7. | 8. | 8. | 8. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. <p
- 2. ql≤l≤mid<qr<r : try use left_result, across[l,qr] to update;

how to update efficiently





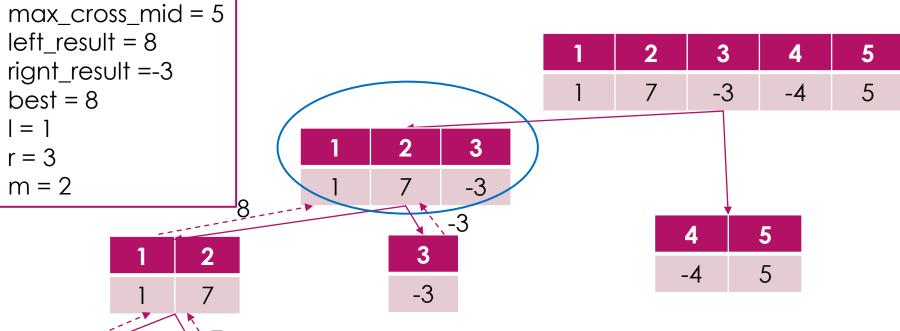
从I到m,

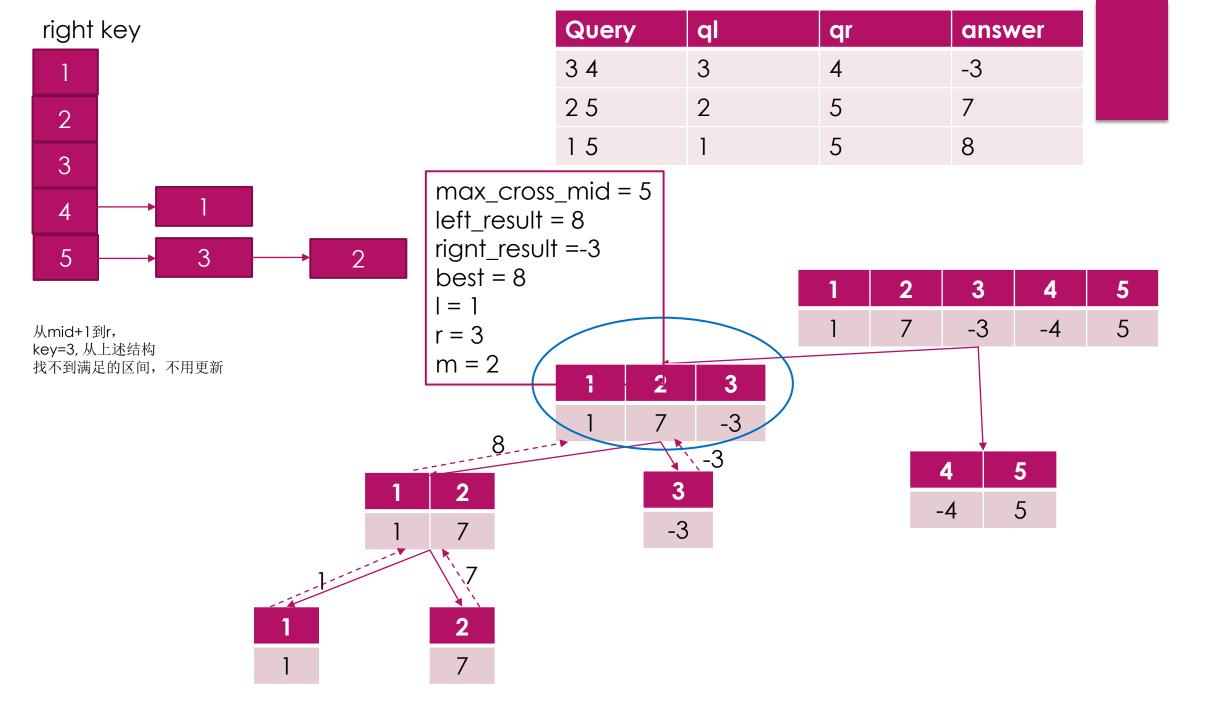
key=1, 从上述结构 找到满足的区间定位3, 找到3 号区间

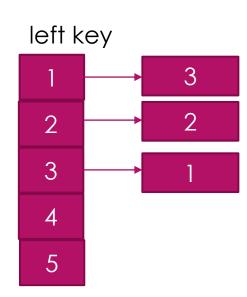
(1,5)发现这个区间的qr>r,用right_result, across[ql,r] 更新其answer;

key= 2,从上述结构找到满足的区间定位2,找到2号区间(2,5)发现这个区间的qr>r,用right_result, across[ql,r] 更新其answer。

Query	ql	qr	answer
3 4	3	4	-3
2 5	2	5	7
1 5	1	5	8







从I到m,

key=1, 从上述结构 找到满足的区间定位3, 找到3 号区间

(1,5)发现这个区间的qr≥r,用right_result, across[ql,r] 更新其answer;

key= 2,从上述结构找到满足的区间定位2,找到2号区间(2,5)发现这个区间的qr≥r,用right_result, across[ql,r] 更新其answer。

key= 3,从上述结构找到满足的区间定位1,找到1号区间(3,4)发现这个区间的qr<r,用across[ql,qr]更新其answer。

Query	ql	qr	answer
3 4	3	4	-3
2 5	2	5	7
1 5	1	5	8

