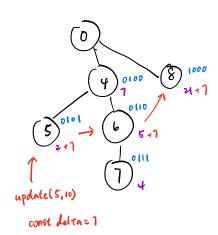


- BITTy is the powert of

 BITTX if y can be obtained

 by removing last set bit of x.

 4 is the parent of 5 and 6.
- Each node BITTx) stores the sum of elements between ty, x)
 y: inclusive of prent
 x: exclusive of child.
- BIT is 1-indexed array.



```
AYY:
      BIT:
                                          4 21 6 13 8 30
         Binary Indexed Tree 9
             get Sum (i) {}
  O(logn)
  0 ( (gn)
             update (index, val) {}
         To construct BIT, simply loop through arr
         and update for each value.
         So it takes O(hlogh).
getSam(7): 7:22+2'+2"
              = Yange (0,4) + Yang (4,6) + Yange (6,7)
              = B]7[4] + B]7[6] + B]7[1]
                     x =) x - laseSeeBielx)
update (5. 10):
         conse delta = 10-arr[5];
     x = x + (ast Set Bir (x)
```