

mest significant bit

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		A A (.	, ,		<u>.</u> + .	inthition & Sel.
Not	M	5B_	N	mpo	rtar	t! in 3 step	
			_	000	>	011)	- Solve manualy
							- Salve with
	(a	7 5	- 11	2)		trie t	
	{1,7,5,11,8}					-Code	
			3			•	- Ode
	ex	9		0	0		(3 5)
		7	6				7,5}
		T	0	•	U		(2,1,0)
		5	0		0	1	{9,11,8}
							·
		11	- 1	0			
		8	1	0	0	0	
		0	U	U	0	0	
			1	1	1	1	
			. 0	•	1	- 3	4 5
	ex	Az	150	,30	, 15	5, 2	5,10,5}
MOX			•				
ans		4	ડ	٤	١	0	
_0	20	1	0	1	0	0	
1 0	30	1	1	1	1	0	
27	15	0	1				
27	15	U	•	•	•	1	
272	25	1	1	0	0	1	
			,				0/ 1/0
30	10	0	1	0		0	
30	5	0	0		0		10 15 20 25 30
	,	•	5		•		

```
ret max xor in trie
                                        int search (root, X);
         void insent (root, x){
Code
                                        for (1=4, 1>=0,1--)
           cur = root
                                                             0(b)
           for (1=4, 1>=0,1--)
                                           b=((X>>i)&1)
0(6)
                                                                0(1)
              b=((X>>i)&1)
                                           if (cur. bit[t]!=null)
             if (cur. bit[b]==null){
0(1)
                                           else our. bit[t] fortunate
our=our. bit[b] unfortunate
                 cur. hit (b) = new Node(),
              cur = cur bit (b)
                                        ret x^ cur. dotta
            cur. Later = X
         main ()
                                          TC; O( N)
           ans = a[0] ^ a[1]
                                           sc3 0(bx n)~0(n)
            insent (root, a[0])
            insent (root, a[1])
            for (i=2; i<n; i++){
             ans= Max(ans, search(root,a[i]))
insert(root,a[i])
     0 (n)
            ret ans
```

P3 Convert a given binary tree to linked list in preorder. VLR don't preorder Left pointers flattening R bivory tree

