

1. , .
2. P a.
3. P=0, a .
4. , i- (i<n) carry>0 ai=1.
5. , carry += ai carry 1, carry = carry / 2 . ,
carry .
6. ai carry%2, 1. , , carry>0 ai=1, ai
1.
7. , carry=0. , , .
n .
8. , a, 1, , m
.
9. a.
10. - O(n), n .
11. a - O(m), m .
12. , O(n + m), .
1. (a)
- (b)
- 2.
- 3.
1. (a)
- (b)
- 2.
- 3.