K29 - Omówienia

Friday, 27 May 2022 18:36

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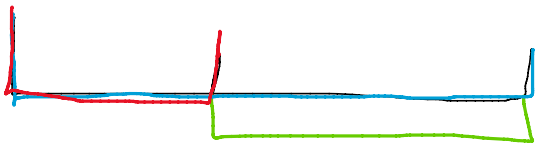
bin search

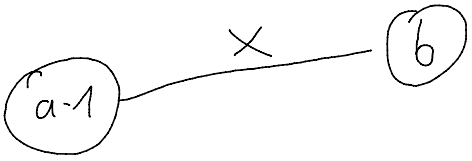
```
int FindLargestCommon(int a, int b) {
    int from = -1, to = min(len-a, len-b);

    while (from < to) {
        int center = (from+to+1)/2;

        if (Hash(a, a+center) == Hash(b, b+center))
            from = center;
        else
            to = center-1;
    }

    return from;
}

bool CompareSuffix(int a, int b) {
    int x = FindLargestCommon(a, b);

    return s[a+x+1] < s[b+x+1];
}
```

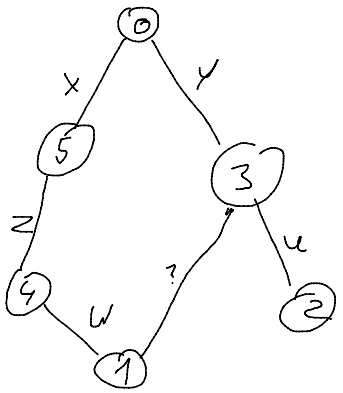
Xorowanie

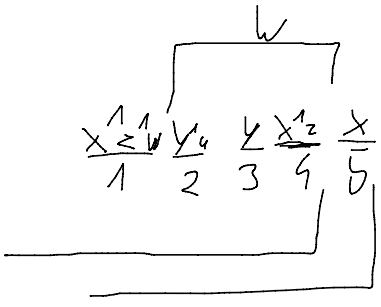


tab[b] ^ tab[a-1]

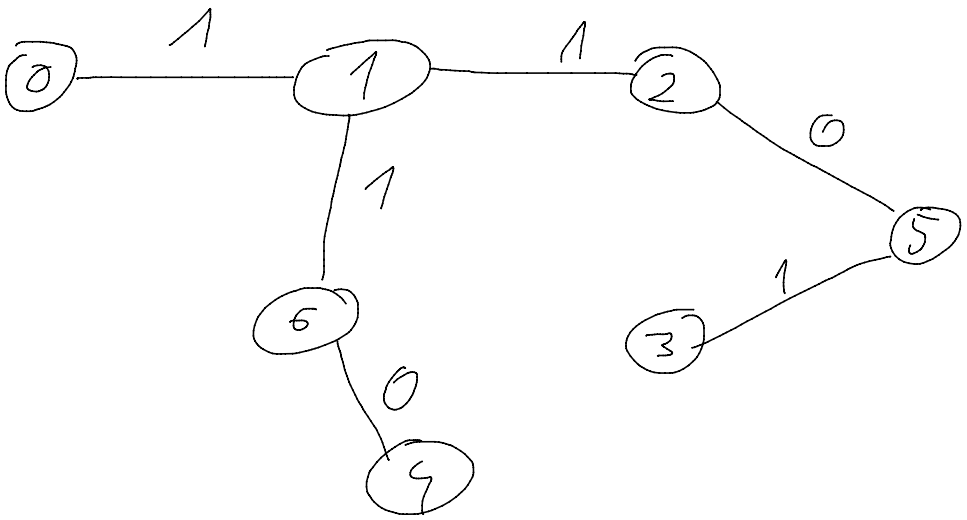
a b x

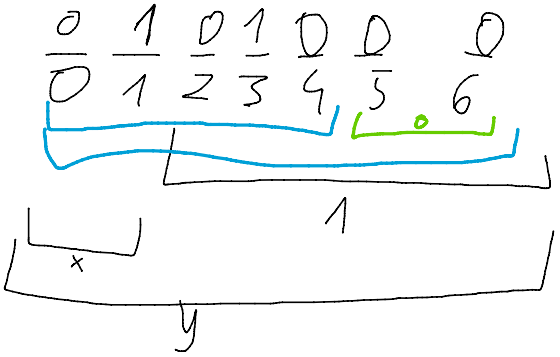






$x \wedge (x \wedge z) = z$





$0 \wedge x = 0$

$x = 0$

$x \wedge y = 1$

$1 \wedge y = 1 \quad / \wedge 1$

$y = 1 \wedge 1 = 0$

1	1	1	1	0	0
1	2	3	4	5	6