06

Thursday, March 25, 2021 12:10 AM

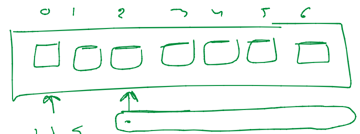
RGB

n = 8

3 2 2 2 2 2 2 2

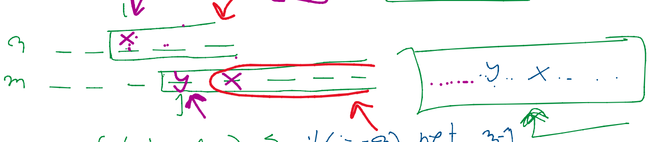
$3 \times 2^{n-1}$

W = 0
R = 1
G = 2
B = 3



f(in, last) {
if (last != 1) R →
if (last != 2) G →
if (last != 3) B →

f(0, 0)

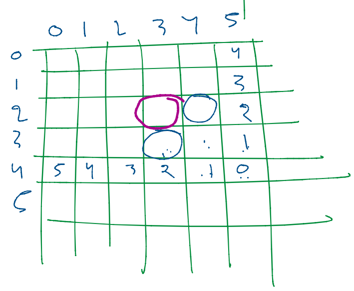


f(i, j) { if(i==n) ret n-j
a = ∞;
if(a[i] == b[j]) a = 1 + f(i+1, j+1)
else {
a = min(1 + f(i+1, j),
1 + f(i, j+1))
}
}

f(0, 0)

a[i] b[j]

n4 m5



a b c

a v w x y z

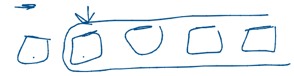
0 1 2 3 4 5

n-j

j = 2 | 4
3 | 3
4 | 2
5 | 1
6 | 0

| n = 6

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



n = 3 k = 6 s = 10

f(in, rem){ f(0, s);
if(in==n) { if(!rem) ret 1;
ret 0
}
for(t=1; t<=k; t++)
ans += f(in+1, rem-t);
ret ans

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