

Class no. 26

Class topic: Number Theory, Recursion and Backtracking

0	1	0	0
0	0	0	1
1	0	0	0
0	0	1	0

Nqueen only one assignment:

<https://ideone.com/vnFwf1>

Nqueen all possible assignment:

<https://ideone.com/NoUX6r>

3 = 0, 1, 2, 3 = 4 ta upay	1 = 2 ta upay	2 = 3 ta upay	3 = 4 ta upay
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protita box theke at most box e jotogula mango ache totogula nite parba....ekhn finally bolte hobe koto upaye tmi selection korte paro?

firstbox * second * third * fourth =

$(2^5) * (3^3) * (5^2)$

color - 2, 5 ta am 6	color 3, am - 3 ta 4	color 5, am - 2 ta 3
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$$6 * 4 * 3 = 72$$

Generating all the divisors of some number n:

<https://ideone.com/RZYwRX>

Next Steps:

For practicing in CF:

<https://c2-ladders.com/>

you should solve problems with rating ± 200 of your own rating.

topic list: cp algorithms, shafayet's planet, top-coder, usaco.....

material list: our course