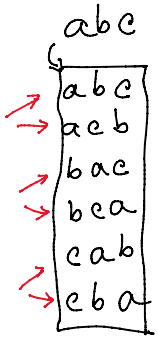
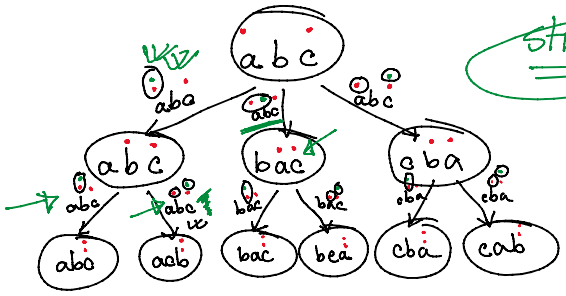
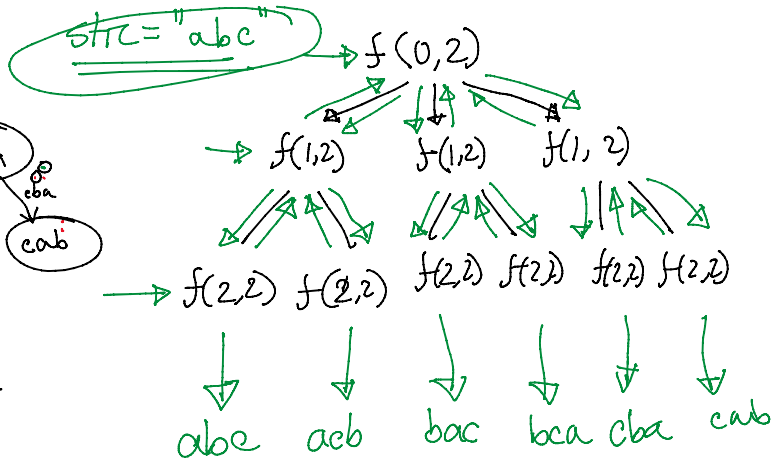
Backtrack 2

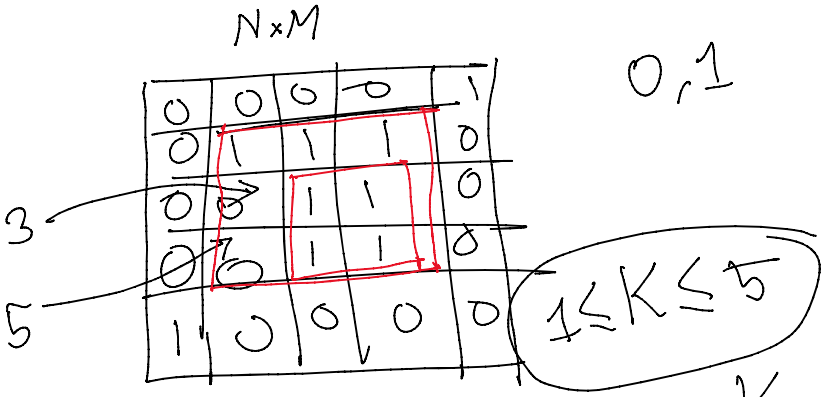
Saturday, October 24, 2020 10:28 PM







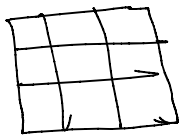

```
perm(L, R)
{ if(L==R)  → str
  for(i = L....R)
  { swap(s[i], s[L])
    perm(L+1, R)
    swap(s[i], s[L]);
  }
}
```

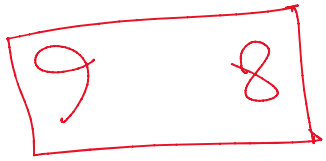


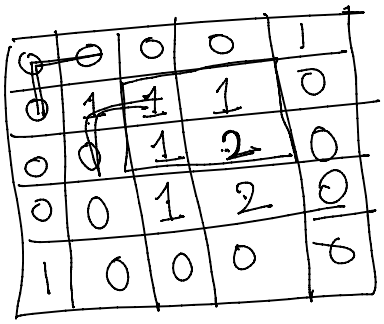
$1 \le T \le 7$

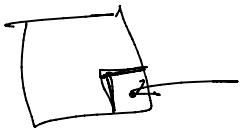
$1 \le N, M \le 1000$

$1 \le K \le \min(10^4, NM)$









$2^K \cdot N \cdot M \cdot T$

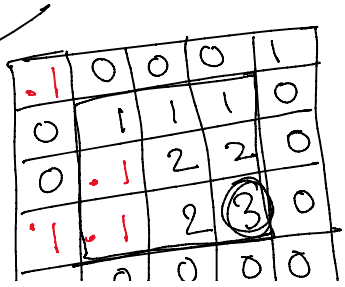
$2^5 \times 10^6 \times 7$

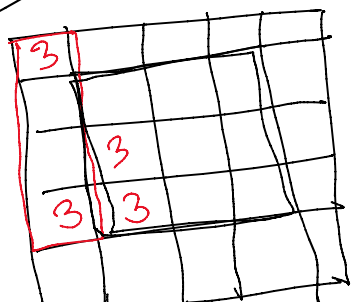
$32 \times 10^6 \times 7$

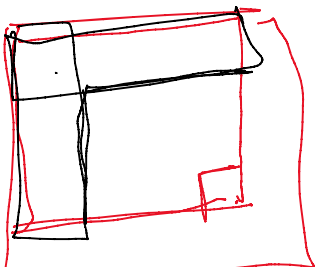
$200 \times 10^6 \le 2 \times 10^8$

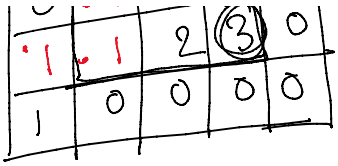
dp

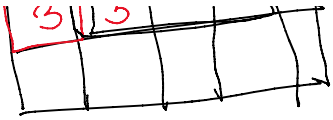
cost 9 6







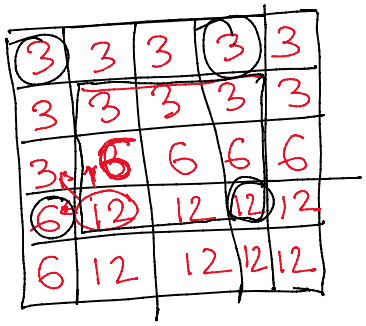




$O(1)$

$12-6-3+3$

6



$g[i][j] += g[i-1][j] + g[i][j-1] - g[i-1][j-1]$

$O(TNM)$

maximum

maximal

$cost[x_2][y_2] - cost[x_2][y_1-1] - cost[x_1-1][y_2] + cost[x_1-1][y_1-1]$