

$$\begin{aligned}
 f(123) &= \# \{100 \sim 123\} \\
 &= \# 123 - \# 99 \\
 &=
 \end{aligned}$$

10 11 99
 \rightarrow base 10 - base



think
 $x \text{ AND } y \leq$

$$\begin{array}{cccc}
 1 & 1 & 0 & 1 \\
 0 & 1 & 1 & 0
 \end{array}$$

$$\begin{aligned}
 x &= 0001 \\
 y &= 1111
 \end{aligned}$$

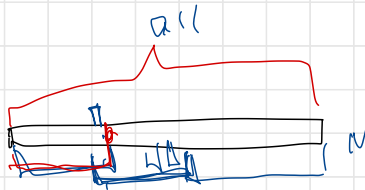
$$x \text{ AND } y = 1 \text{ a}$$

$$\begin{array}{cccc}
 0 & 0 & 0 & 1 \\
 1 & 0 & 0 & 0
 \end{array}$$

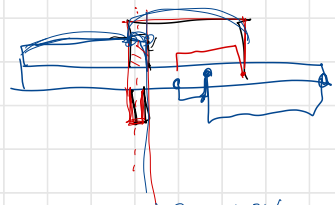
$$x + y = 8 \text{ s}$$

s-a and $y < 0$?

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$\rightarrow [right-left]$

$dp[left][right][k] := [left, right]$ 区間の代表

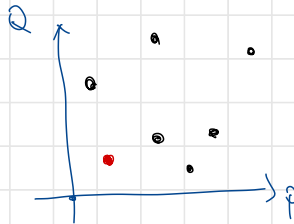
$= \text{ans}$

$dp[left][right][k]$

3×3

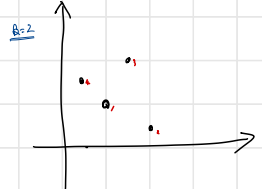
$= dp[left][right][k-1]$

$dp[left][n:k]$



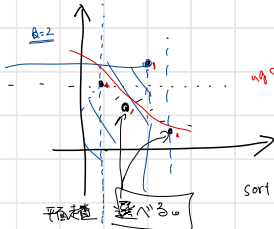
右下は必ず代表

Sample 1



ans: 3

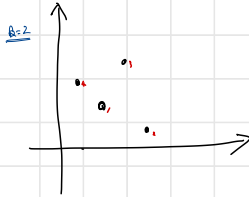
Sample 1



sort \rightarrow 2 1 3

ans: 3

Sample 1



ans: 3