

$$\begin{array}{c|c} 1 & 3 \\ 2 & 4 \end{array} \leq 6$$

$$A(x, y) = (x \setminus y) - y$$

maximize:

$$\dots, A(A(x, y), z), \dots$$

$$(x \setminus y) - y$$

↓

set bits that are  
in  $x$  but aren't in  $y$

1 1 0 0