



A can create n puzzles with $O(n)$ effort.



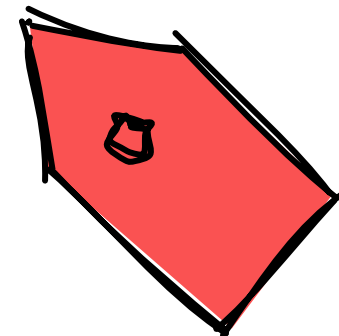
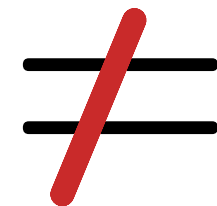
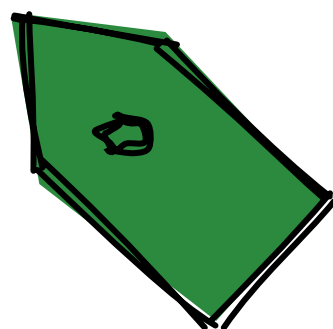
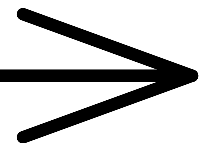
B can solve 1 puzzle with $O(n)$ effort.



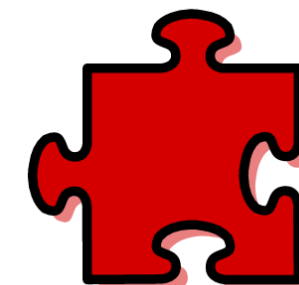
Attacker needs to solve puzzles until correct ID (+ matching key) is found
→ on average: $n/2$ puzzles, meaning $O(n^2)$ effort



solve



.....



solve

