**Fight of the two Great Ninjas**

After a long debate over “who Is the best”, Naruto and Uchiha went to pervy sage Jiraiya to seek guidance. Jiraiya was busy so he told them to compete for a game of collecting coins from a town. The overall winner of the game will be declared the best.

There are N(Even) shops in the town. Each town contains a coin with some integer value.

Now Naruto and Uchiha would compete for N/2 rounds.

1. In each round each player would collect a coin from any shop. Lets say Naruto’s coin’s value is x and Uchiha’s coin value is y.
2. If x>y Naruto wins, otherwise Uchiha wins.
3. Each shop’s coin can be used only once.
4. Naruto collects first in each round.

If Naruto wins strictly more rounds than Uchiha, then Naruto is Declared the overall winner, otherwise Uchiha is declared the overall winner.

Both payers play optimally.

**Input:**

The first line contains a single integer N (2≤N≤105)— the number shops.(EVEN)

The second line contains N integers a1, a2,…,an (-109≤ai≤109) — Values of coins in each shop.

**Output:**

In the first line print the number of total rounds won by Naruto.

In the second line print “Naruto” if Naruto is the overall winner, else print “Uchiha”. (without quotes)

**Sample:**

**Input:**

4

1 2 3 4

**Output:**

2

Naruto

**Input:**

2

1 1

**Output:**

0

Uchiha

**Explanation:**

In first case:

There will be two rounds,

In the first round, Naruto collects 4 and Uchiha collects 1 -> Naruto wins

In the second round, Naruto collects 3 and Uchiha collects 2 -> Naruto wins

Overall winner is Naruto as he wins 2 rounds and Uchiha wins 0.

In second case:

There will be one round,

In the first round, Naruto collects 1 and Uchiha collects 1 -> Uchiha wins

Overall winner is Uchiha as he wins 1 round and Naruto wins 0.