Make a flowchart to show how to solve quadratic equations: ax2 + bx + c = 0.

Start

input a, b, c

Equation has only 1
solution: x = -c / b

Wrong

a = 0 — Correct → b = 0 — Correct

Wrong

delta = b*b - 4*a*c

delta >= 0 → the equation has no solution

Wrong

Correct

Equation has 2 solution:
x1 = (-b - sqrt(delta)) / 2a
x2 = (-b + sqrt(delta)) / 2a

End

Correct

delta = 0 — Correct → Equation has only 1 solution: x = -b / 2a
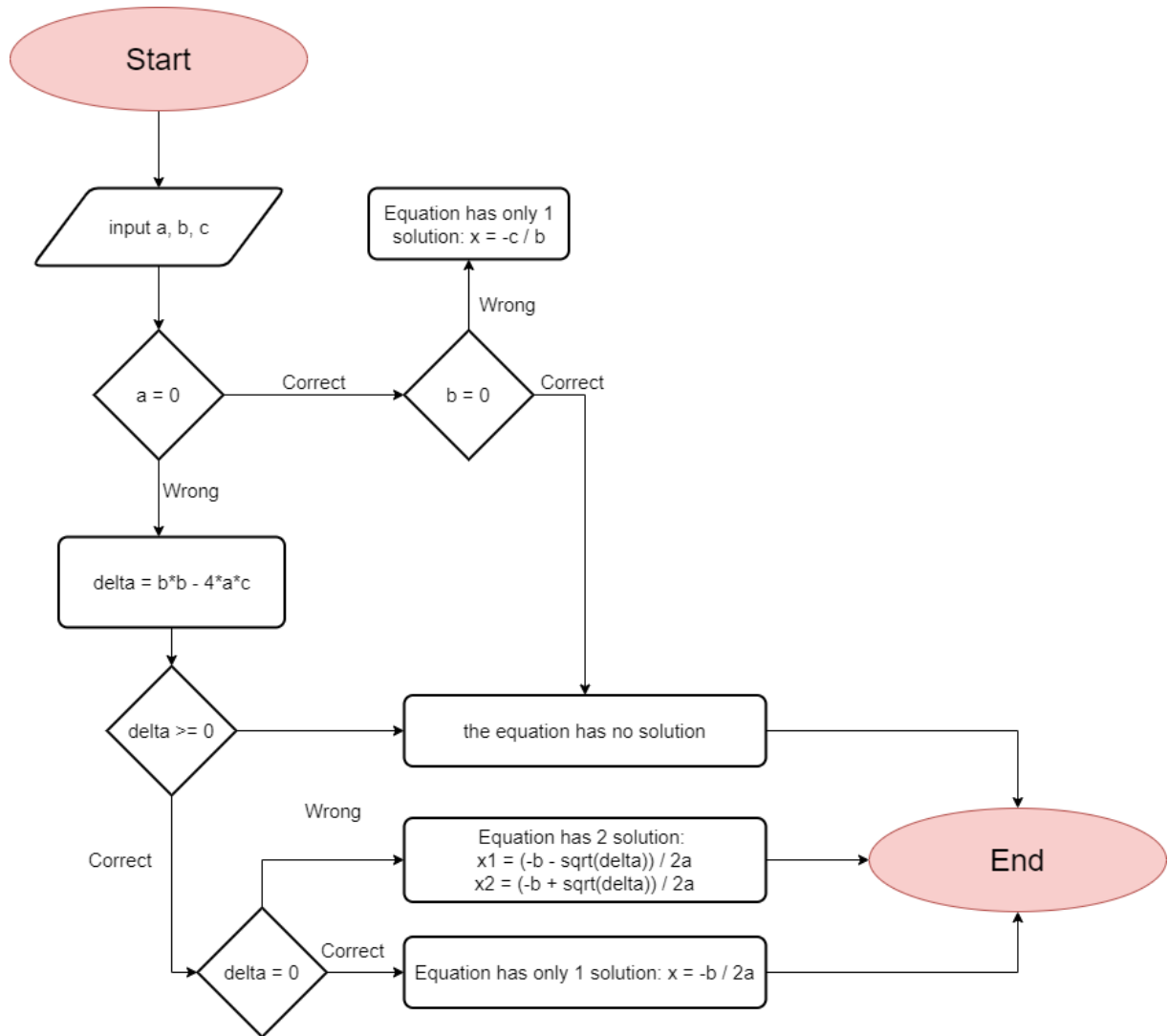
Given a array of N integers, make a flowchart to print all even numbers.

Start

input a[N], N

index = 0

index < N — Wrong → **End**

Correct

a[index] % 2 = 0 — Correct → print a[index]

Wrong

index = index + 1
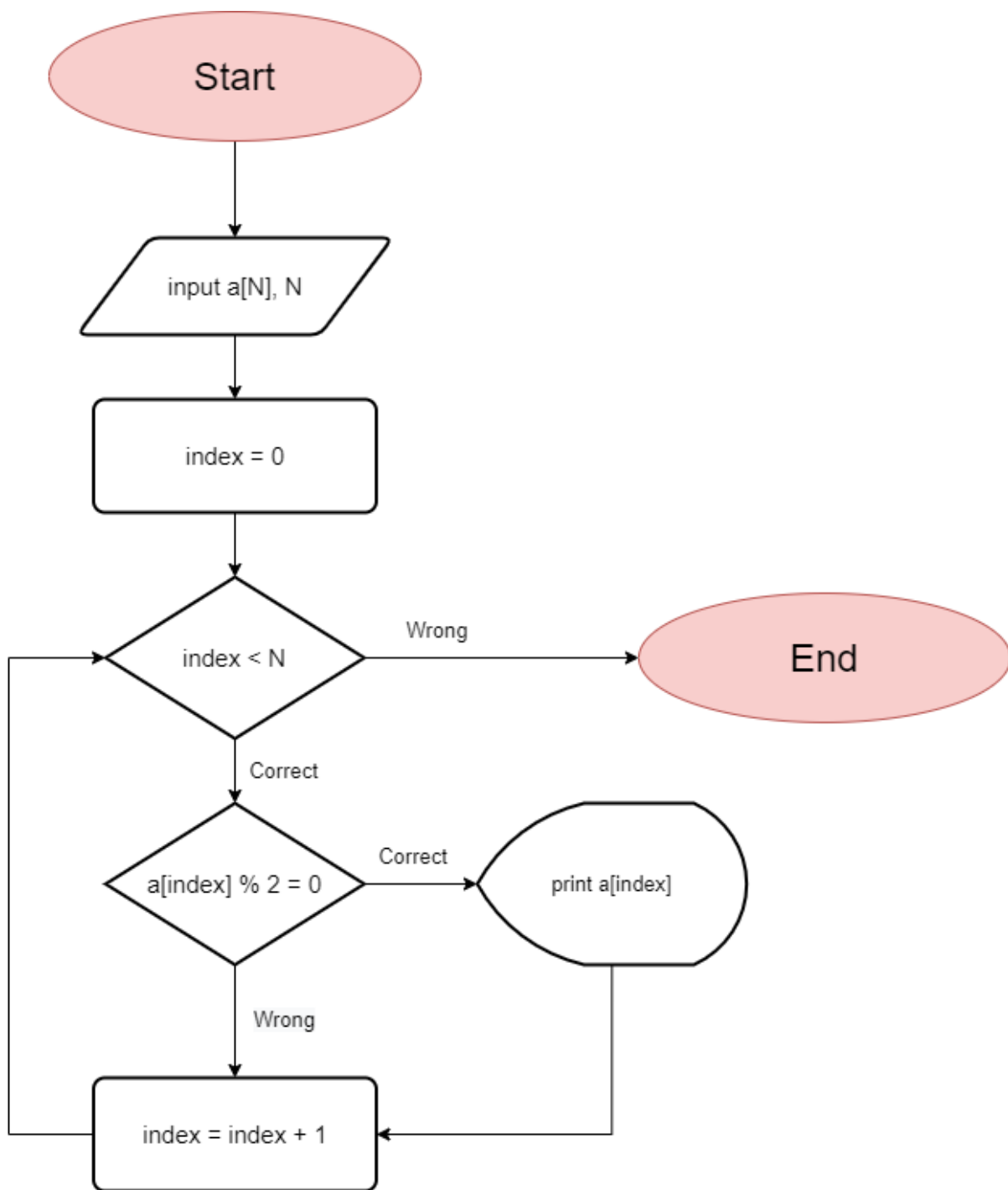
Make a flowchart to compute the sum of all odd number
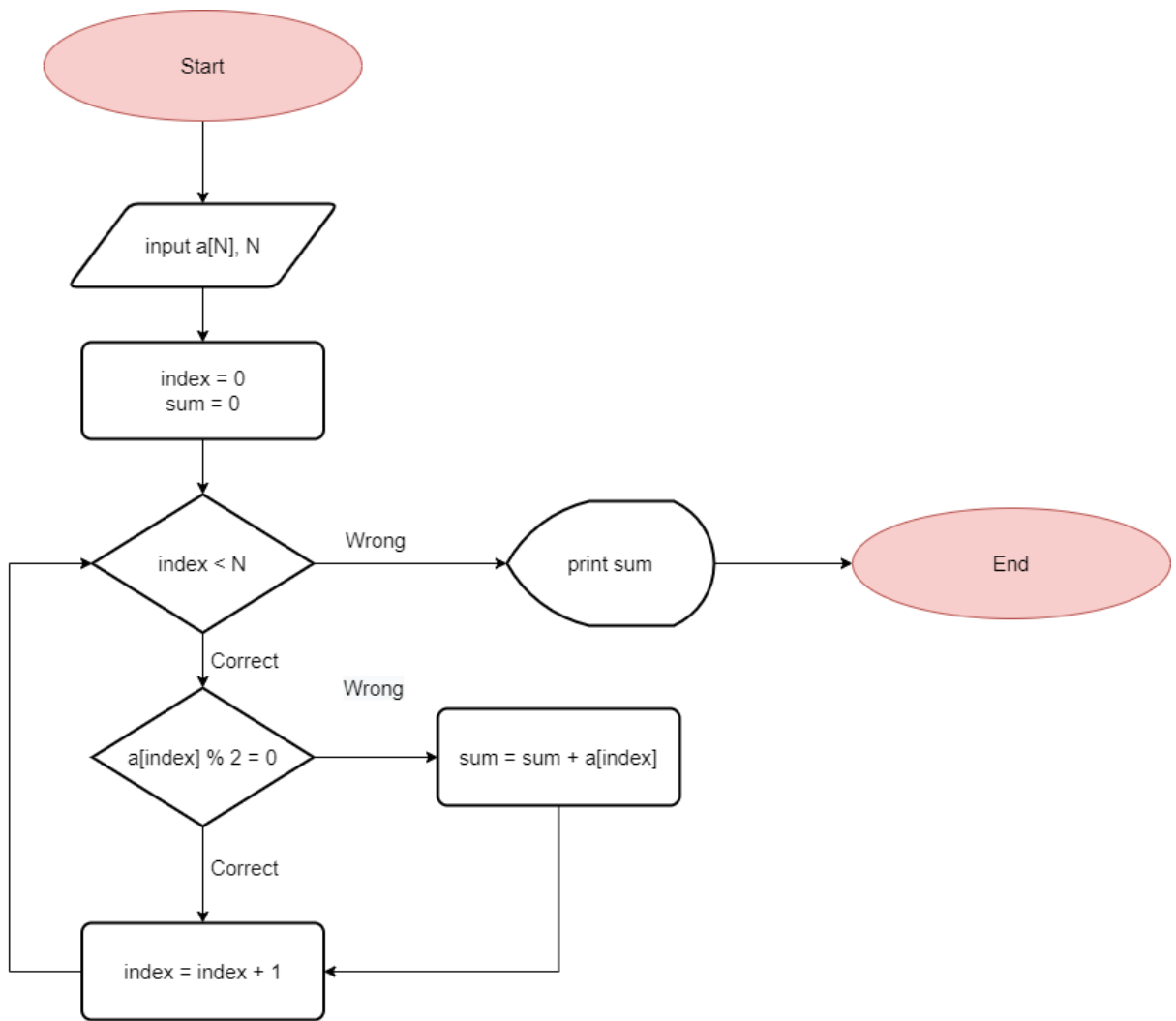
Make a flowchart to check if a number is a prime

```
Start
  │
  ▼
input N
  │
  ▼
N == 0 || N == 1 ──Correct──▶ print "N is a prime" ──────────▶ End
  │                                                              ▲
  Wrong                                                          │
  │                                                              │
  ▼                                                              │
count = 0                                                        │
index = 1                                                        │
  │                                                              │
  ▼                                    Correct                   │
index <= N ──Wrong──▶ count == 2 ──────────────▲                 │
  │                       │                                      │
  Correct                 Wrong                                  │
  │                       │                                      │
  ▼                       ▼                                      │
N % index == 0 ──Correct──▶ count = count + 1                    │
  │                              │               print "N is not a prime" ──▶ End
  Wrong                          │
  │                              │
  ▼                              │
index = index + 1 ◀──────────────┘
```