# CF25A: IQ test, brute force, 1300

# <http://codeforces.com/problemset/problem/25/A>

input()  
s = [int(i) % 2 for i in input().split()]  
if s.count(1) == 1:  
 print(s.index(1)+1)  
else:  
 print(s.index(0)+1)



# CF615A: Bulbs, implementation, 800

# <http://codeforces.com/contest/615/problem/A>

button, bulb = [int(i) for i in input().split()]  
b = [False] \* bulb  
for i in range(button):  
 for j in [int(k) for k in input().split()[1:]]:  
 b[j - 1] = True  
if b.count(False) == 0:  
 print("YES")  
else:  
 print("NO")

# CF723A: The New Year: Meeting Friends, implementation/math/sorting, 800

# <https://codeforces.com/problemset/problem/723/A>

s = set(int(i) for i in input().split())  
print(max(s)-min(s))

# CF705A: Hulk, implementation, 800

# <https://codeforces.com/problemset/problem/705/A>

s = "I hate "  
for i in range(int(input()) - 1):  
 if i % 2 == 0:  
 s += "that I love "  
 else:  
 s += "that I hate "  
print(s + "it")

# CF200B: Drinks, implementation/math, 800

# <https://codeforces.com/problemset/problem/200/B>

n = int(input())  
s = [int(i) for i in input().split()]  
print(sum(s)/n)

# CF270A: Fancy Fencegeometry, implementation/math, 1100

# <https://codeforces.com/problemset/problem/270/A>

for i in range(int(input())):  
 if 360 % (180 - int(input())) == 0:  
 print("YES")  
 else:  
 print("NO")

# CF1221A: 2048 Game, brute force/greedy/math, 1000

# <http://codeforces.com/problemset/problem/1221/A>

for i in range(int(input())):  
 input()  
 s = [int(j) for j in input().split() if int(j) <= 2048]  
 s.sort()  
 n = len(s)  
 while n > 1:  
 if s[0] == s[1]:  
 del s[0]  
 s[0] = s[0] \* 2  
 s.sort()  
 else:  
 del s[0]  
 n -= 1  
 if s != [] and s[0] >= 2048:  
 print("YES")  
 else:  
 print("NO")