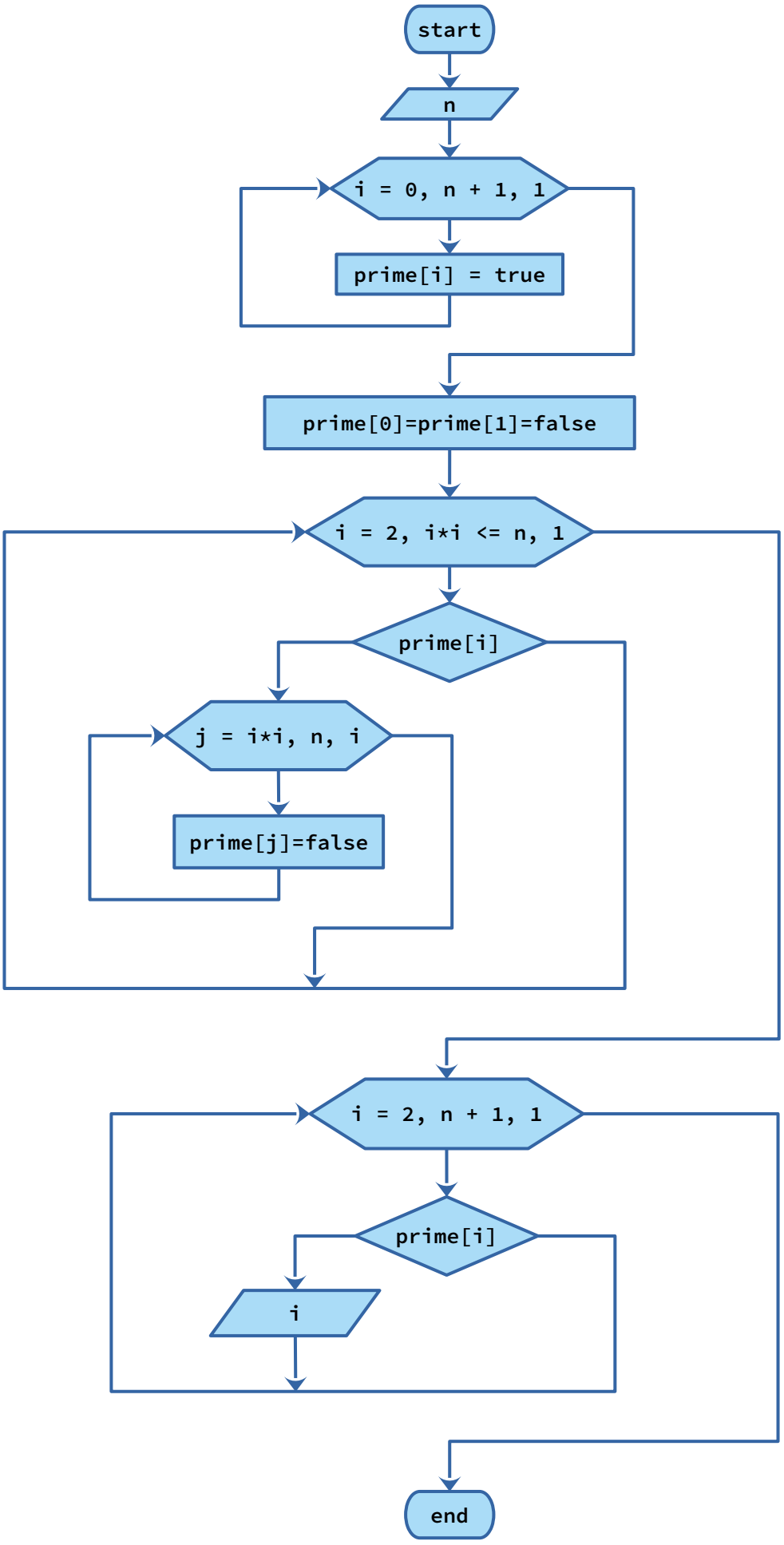
start
n
i = 0, n + 1, 1
prime[i] = true
prime[0]=prime[1]=false
i = 2, i*i <= n, 1
prime[i]
j = i*i, n, i
prime[j]=false
i = 2, n + 1, 1
prime[i]
i
end