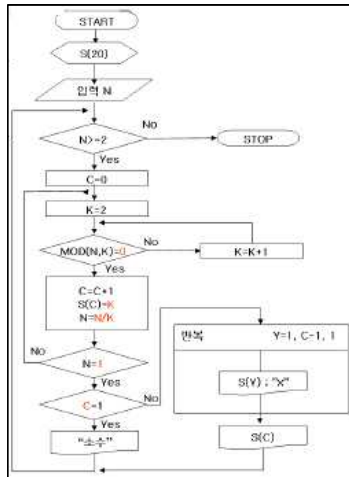소인수분해


```java
package a20_7_13;

import java.util.Scanner;

public class algo2_3 {
        public static void main(String[] args) {
                Scanner sc=new Scanner(System.in);
                int n=sc.nextInt();
                int c=0;
                int k;
                int s[]=new int[100];
                while(n>=2)
                {
                 c=0;
                 do {
                        k=2;
                        while(n%k !=0 ) k++;
                        s[c]=k;
                        c++;
                        n=n/k;
                        }while(n!=1);
                if(c!=1) {
                                for(int y=0;y<c-1;y++) {
                                        System.out.print(s[y]+"*");
                                }
                                System.out.println(s[c-1]);
                                break;
                        }
                System.out.println("소수");
                }
        }
}
```