Test

Test

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  - Nginx
  - □□□□

□□ 1

□□

□□□ 1

page contents

PAGE2

> PAGES2

```
main() {
  }
```

Nginx

Nginx[illegible]

1[illegible]

[illegible] web[illegible] 2 [illegible]

image-20211021081901761

Nginx[illegible] Nginx [illegible] web [illegible] Nginx [illegible]

2[illegible]

Nginx[illegible] 2[illegible] Ip hash [illegible] 3[illegible]

image-20211021082137339

Ip hash[illegible] ip[illegible] hash[illegible] hash[illegible] ip [illegible] session[illegible]

image-20211021082157521

3[illegible] web[illegible]

Nginx[illegible] FastCGI_Cache[illegible] FastCGI [illegible] ngx_cache_purge[illegible] URL[illegible]

4、常见配置

1.$remote_addr 与 $http_x_forwarded_for 用以记录客户端的 ip地址;

2.$remote_user：用来记录客户端用户名称;

3.$time_local： 用来记录访问时间与时区;

4.$request： 用来记录请求的 url与 http协议;

5.$status： 用来记录请求状态; 成功是 200;

6.$body_bytes_s ent：记录发送给客户端文件主体内容大小;

7.$http_referer：用来记录从那个页面链接访问过来的;

8.$http_user_agent：记录客户端浏览器的相关信息;

□□ 1

□□□□

□□□□

```
□static boolean is(int x) {
□□return x%400==0 || (x%4==0 && x%100!=0);
□}
```

□□□

```
□static boolean is(int n) {
□□if(n==1)
□□□return false;
□□for(int i=2;i*i<=Math.sqrt(n);i++)
□□□if(n%i==0)
□□□□return false;
□□return true;
□}
```

□□□

```
public class □□□□       {


□public static void main(String[] args) {
□□boolean[] is = new boolean[1000005];
□□is[1] = true;//true□□□□□
□□for(int i=2;i<1000005;i++)
□□□if(!is[2])
□□□□for(int j=2*i;j<1000005;j+=i)
□□□□□is[j] = true;
□□System.out.println(is[2004]);
□}
```

```
}
```

01□□

```
public class _01□□    {

□public static void main(String[] args) {
□□Scanner in = new Scanner(System.in);
□□int m = in.nextInt();//□□
□□int n = in.nextInt();//□□□
□□int[] dp = new int[m+5];//□□□□□□□□□
□□for(int i=1;i<=n;i++) {
□□□int v = in.nextInt();//□□
□□□int w = in.nextInt();//□□□□
□□□for(int j=m;j>=v;j--)
□□□□dp[j] = Math.max(dp[j], dp[j-v]+w);
□□}
□□System.out.println(dp[m]);
□}

}
```

□□□□

```
import java.util.Scanner;

public class _□□□□       {

□public static void main(String[] args) {
□□Scanner in = new Scanner(System.in);
□□int m = in.nextInt();//□□
□□int n = in.nextInt();//□□□
□□int[] dp = new int[m+5];//□□□□□□□□□
□□for(int i=1;i<=n;i++) {
□□□int v = in.nextInt();//□□
□□□int w = in.nextInt();//□□□□
```

```
for(int j=v;j<=m;j++)
    dp[j] = Math.max(dp[j], dp[j-v]+w);
  }
  System.out.println(dp[m]);
 }


}
```

□□□□ gcd

```
 static int gcd(int a,int b) {
  return b==0?a:gcd(b,a%b);
 }
```

□□□□ lcm

```
 static int lcm(int a,int b) {
  return a*b/gcd(a,b);
 }
```

□□□□

```
 static void f(int[] a) {
  int n = a.length;
  int l=0,r=n-1,ans=0;//□□□□□□□
  while(l<=r) {
   int mid = l + (r-l)/2;
   if(ok(a[mid])) {
    r = mid-1;
    ans = mid;
   }else
    l = mid+1;
  }
  System.out.println(ans);
 }
 
```

```
□static boolean ok(int x) {
□□return false;//□□□□
□}
```

□□□

```
import java.util.Scanner;

public class □□□□□          {

□public static void main(String[] args) {
□□Scanner in = new Scanner(System.in);
□□int n = in.nextInt();
□□int[] sum = new int[n+1];
□□for(int i=1;i<=n;i++)
□□□sum[i] = sum[i-1] + in.nextInt();//□□□□

□}

}
```

□□□□ (□□□)

```
□static int n,m,cnt=0;
□static int[] f = new int[10005];//□□□□□□          f[i]=i
□
□static int find(int x) {
□□if(f[x]==x)
□□□return x;
□□return f[x] = find(f[x]);
□}
□
□static void union(int x,int y) {
□□int a = find(x);
□□int b = find(y);
□□if(a!=b) {
□□□f[a] = b;
```

```
□□□cnt++;
□□}
□}
```

□□□ BigInteger□ BigDecimal

```
import java.math.BigInteger;
public class Main {
    public static void main(String[] args) {
        //□□
        BigInteger add1 = new BigInteger("10");
        System.out.println(add1.add(new BigInteger("20")));

        //□□
        BigInteger sub1 = new BigInteger("10");
        System.out.println(sub1.subtract(new BigInteger("20")));

        //□□
        BigInteger div1 = new BigInteger("10");
        System.out.println(div1.divide(new BigInteger("20")));

        //□□
        BigInteger mul1 = new BigInteger("10");
        System.out.println(mul1.multiply(new BigInteger("20")));

        //□□
        BigInteger remain1 = new BigInteger("10");
        System.out.println(remain1.remainder(new BigInteger("8")));

        //□□□□□
        BigInteger mod = new BigInteger ("10");
        BigInteger pow = new BigInteger ("20");
        System.out.println(pow.modPow(pow,mod));

        //□□□□□□□□□□              ,□□□□      -1,□□□□      1,□□   0□□□□□        0
        BigInteger comp1 = new BigInteger("10");
        System.out.println(comp1.compareTo(new BigInteger("18")));

        //n□□□□□
```

```
BigInteger power1 = new BigInteger("2");
System.out.println(power1.pow(10));

//□□□□□□
BigInteger min1 = new BigInteger("2");
System.out.println(min1.min(new BigInteger("-23")));

//□□□□□□
BigInteger max1 = new BigInteger("2");
System.out.println(max1.max(new BigInteger("-23")));

//□□□□□□□□□□
BigInteger val = new BigInteger("123");
System.out.println(val.intValue());

//□□□□□□□
BigInteger gcd1 = new BigInteger("12");
System.out.println(gcd1.gcd(new BigInteger("6")));

//□□
BigInteger neg1 = new BigInteger("12");
System.out.println(neg1.negate());

//□□□
BigInteger and1 = new BigInteger("10");
System.out.println(and1.and(new BigInteger("1")));

//□□□
BigInteger or1 = new BigInteger("10");
System.out.println(or1.or(new BigInteger("10")));

//□□
BigInteger xor1 = new BigInteger("10");
System.out.println(xor1.xor(new BigInteger("10")));

//□□  n□□□□□□      (□□□□□      )
BigInteger decimal1 = new BigInteger("12");
System.out.println(decimal1.toString(2));

//□□□□□□□□
```

```
        BigInteger abs1 = new BigInteger("-12");
        System.out.println(abs1.abs());

        //□□□□□□□□□            1
        BigInteger testBit1 = new BigInteger("4");
        System.out.println(testBit1.testBit(2));

       //□□   1□
        BigInteger moveLeftBit1 = new BigInteger("4");
        System.out.println(moveLeftBit1.shiftLeft(1));

        //□□   1□
        BigInteger moveRightBit1 = new BigInteger("4");
        System.out.println(moveRightBit1.shiftLeft(-1));

        //□
        BigInteger not = new BigInteger ("10");
        System.out.println(not.not());

        //valueOf()□□□

        //□□□□□□□□□□□□
        BigInteger negate = new BigInteger ("10");
        System.out.println(negate.negate());

        //□□□□□□□□
        BigInteger prime = new BigInteger ("10");
        System.out.println(prime.probablePrime());
        System.out.println(prime.nextprobablePrime());
    }
}
```

```
package com.vivo.ars.util;
import java.math.BigDecimal;

/**
 * □□□□□□□□□□□□□□□
 */
public class ArithmeticUtils {
    //□□□□□□□□
    private static final int DEF_DIV_SCALE = 10;
```

```
/**
 * □□□□□□□□□
 *
 * @param v1 □□□
 * @param v2 □□
 * @return □□□□□□
 */

public static double add(double v1, double v2) {
    BigDecimal b1 = new BigDecimal(Double.toString(v1));
    BigDecimal b2 = new BigDecimal(Double.toString(v2));
    return b1.add(b2).doubleValue();
}

/**
 * □□□□□□□□□
 *
 * @param v1 □□□
 * @param v2 □□
 * @return □□□□□□
 */
public static BigDecimal add(String v1, String v2) {
    BigDecimal b1 = new BigDecimal(v1);
    BigDecimal b2 = new BigDecimal(v2);
    return b1.add(b2);
}

/**
 * □□□□□□□□□
 *
 * @param v1    □□□
 * @param v2    □□
 * @param scale □□   scale □□□
 * @return □□□□□□
 */
public static String add(String v1, String v2, int scale) {
    if (scale < 0) {
        throw new IllegalArgumentException(
                "The scale must be a positive integer or zero");
    }
```

```
    BigDecimal b1 = new BigDecimal(v1);
    BigDecimal b2 = new BigDecimal(v2);
    return b1.add(b2).setScale(scale, BigDecimal.ROUND_HALF_UP).toString();
}

/**
 * □□□□□□□□□
 *
 * @param v1 □□□
 * @param v2 □□
 * @return □□□□□□
 */
public static double sub(double v1, double v2) {
    BigDecimal b1 = new BigDecimal(Double.toString(v1));
    BigDecimal b2 = new BigDecimal(Double.toString(v2));
    return b1.subtract(b2).doubleValue();
}

/**
 * □□□□□□□□□□
 *
 * @param v1 □□□
 * @param v2 □□
 * @return □□□□□□
 */
public static BigDecimal sub(String v1, String v2) {
    BigDecimal b1 = new BigDecimal(v1);
    BigDecimal b2 = new BigDecimal(v2);
    return b1.subtract(b2);
}

/**
 * □□□□□□□□□
 *
 * @param v1    □□□
 * @param v2    □□
 * @param scale □□   scale □□□
 * @return □□□□□□
 */
public static String sub(String v1, String v2, int scale) {
    if (scale < 0) {
```

```
            throw new IllegalArgumentException(
                    "The scale must be a positive integer or zero");
        }
        BigDecimal b1 = new BigDecimal(v1);
        BigDecimal b2 = new BigDecimal(v2);
        return b1.subtract(b2).setScale(scale, BigDecimal.ROUND_HALF_UP).toString();
    }

    /**
     * □□□□□□□□□
     *
     * @param v1 □□□
     * @param v2 □□
     * @return □□□□□□
     */
    public static double mul(double v1, double v2) {
        BigDecimal b1 = new BigDecimal(Double.toString(v1));
        BigDecimal b2 = new BigDecimal(Double.toString(v2));
        return b1.multiply(b2).doubleValue();
    }

    /**
     * □□□□□□□□□
     *
     * @param v1 □□□
     * @param v2 □□
     * @return □□□□□□
     */
    public static BigDecimal mul(String v1, String v2) {
        BigDecimal b1 = new BigDecimal(v1);
        BigDecimal b2 = new BigDecimal(v2);
        return b1.multiply(b2);
    }

    /**
     * □□□□□□□□□
     *
     * @param v1    □□□
     * @param v2    □□
     * @param scale □□   scale □□□
     * @return □□□□□□
```

```
 */
public static double mul(double v1, double v2, int scale) {
    BigDecimal b1 = new BigDecimal(Double.toString(v1));
    BigDecimal b2 = new BigDecimal(Double.toString(v2));
    return round(b1.multiply(b2).doubleValue(), scale);
}

/**
 * □□□□□□□□□
 *
 * @param v1    □□□
 * @param v2    □□
 * @param scale □□   scale □□□
 * @return □□□□□□
 */
public static String mul(String v1, String v2, int scale) {
    if (scale < 0) {
        throw new IllegalArgumentException(
                "The scale must be a positive integer or zero");
    }
    BigDecimal b1 = new BigDecimal(v1);
    BigDecimal b2 = new BigDecimal(v2);
    return b1.multiply(b2).setScale(scale, BigDecimal.ROUND_HALF_UP).toString();
}

/**
 * □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
 * □□□□□        10□□□□□□□□□□□□
 *
 * @param v1 □□□
 * @param v2 □□
 * @return □□□□□□
 */

public static double div(double v1, double v2) {
    return div(v1, v2, DEF_DIV_SCALE);
}

/**
 * □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□                                    scale□□□
 * □□□□□□□□□□□□□
```

```java
 *
 * @param v1    □□□
 * @param v2    □□
 * @param scale □□□□□□□□□□□□□□□□□
 * @return □□□□□□
 */
public static double div(double v1, double v2, int scale) {
    if (scale < 0) {
        throw new IllegalArgumentException("The scale must be a positive integer or zero");
    }
    BigDecimal b1 = new BigDecimal(Double.toString(v1));
    BigDecimal b2 = new BigDecimal(Double.toString(v2));
    return b1.divide(b2, scale, BigDecimal.ROUND_HALF_UP).doubleValue();
}

/**
 * □□□□□□□□□□□□□□□□□□□□□□□□□□                                    scale□□□
 * □□□□□□□□□□□□□
 *
 * @param v1    □□□
 * @param v2    □□
 * @param scale □□□□□□□□□□□□□□
 * @return □□□□□□
 */
public static String div(String v1, String v2, int scale) {
    if (scale < 0) {
        throw new IllegalArgumentException("The scale must be a positive integer or zero");
    }
    BigDecimal b1 = new BigDecimal(v1);
    BigDecimal b2 = new BigDecimal(v1);
    return b1.divide(b2, scale, BigDecimal.ROUND_HALF_UP).toString();
}

/**
 * □□□□□□□□□□□□□□
 *
 * @param v     □□□□□□□□□
 * @param scale □□□□□□□□
 * @return □□□□□□□□
 */
public static double round(double v, int scale) {
```

```
    if (scale < 0) {
        throw new IllegalArgumentException("The scale must be a positive integer or zero");
    }
    BigDecimal b = new BigDecimal(Double.toString(v));
    return b.setScale(scale, BigDecimal.ROUND_HALF_UP).doubleValue();
}

/**
 * □□□□□□□□□□□□□□□
 *
 * @param v     □□□□□□□□□
 * @param scale □□□□□□□□
 * @return □□□□□□□□
 */
public static String round(String v, int scale) {
    if (scale < 0) {
        throw new IllegalArgumentException(
                "The scale must be a positive integer or zero");
    }
    BigDecimal b = new BigDecimal(v);
    return b.setScale(scale, BigDecimal.ROUND_HALF_UP).toString();
}

/**
 * □□□
 *
 * @param v1    □□□
 * @param v2    □□
 * @param scale □□□□□□□□
 * @return □□
 */
public static String remainder(String v1, String v2, int scale) {
    if (scale < 0) {
        throw new IllegalArgumentException(
                "The scale must be a positive integer or zero");
    }
    BigDecimal b1 = new BigDecimal(v1);
    BigDecimal b2 = new BigDecimal(v2);
    return b1.remainder(b2).setScale(scale, BigDecimal.ROUND_HALF_UP).toString();
}
```

```
    /**
     * □□□       BigDecimal
     *
     * @param v1    □□□
     * @param v2    □□
     * @param scale □□□□□□□□
     * @return □□
     */
    public static BigDecimal remainder(BigDecimal v1, BigDecimal v2, int scale) {
        if (scale < 0) {
            throw new IllegalArgumentException(
                    "The scale must be a positive integer or zero");
        }
        return v1.remainder(v2).setScale(scale, BigDecimal.ROUND_HALF_UP);
    }

    /**
     * □□□□
     *
     * @param v1 □□□□
     * @param v2 □□□
     * @return □□   v1 □□   v2 □  □□   true □□   false
     */
    public static boolean compare(String v1, String v2) {
        BigDecimal b1 = new BigDecimal(v1);
        BigDecimal b2 = new BigDecimal(v2);
        int bj = b1.compareTo(b2);
        boolean res;
        if (bj > 0)
            res = true;
        else
            res = false;
        return res;
    }
}
```