第一题：分配粉笔

**package** JavaTest;

**import** java.util.\*;

**public** **class** Main {

**public** **static** **void** getMaxValue(**double** n, **double** m, **double** a,**double** b,**double** c, **double** d, **double** x ,**double** y ,**double** z) {

ArrayList<Double> list = **new** ArrayList<>();

list.add((**double**) (x / (a + b)));

list.add((**double**) (y / c));

list.add((**double**) (z / d));

Collections.*sort*(list);//从小到大排序

Collections.*reverse*(list);//从大到小排序

**int** price = 0;

**for** (Double singlePrice : list) {System.***out***.println(singlePrice);

**if**((singlePrice - (x / (a + b))) == 0.0) {

**int** min = (**int**) Math.*min*( n / a, m / b);

price = (**int**) (price + min \* x);

n = n - min;

m = m - min;

}**else** **if**((singlePrice - (y / c)) == 0.0) {

**int** min = (**int**) (m / c);

price = (**int**) (price + min \* y);

n = n - min;

}**else** {

**int** min = (**int**) (n / d);

price = (**int**) (price + min \* z);

m = m - min;

}

}

System.***out***.println(price);

}

**public** **static** **void** main(String[] args) {

Scanner sc = **new** Scanner(System.***in***);

**double** n = sc.nextDouble();

**double** m = sc.nextDouble();

sc.nextLine();

**double** a = sc.nextDouble();

**double** b = sc.nextDouble();

**double** c = sc.nextDouble();

**double** d = sc.nextDouble();

sc.nextLine();

**double** x = sc.nextDouble();

**double** y = sc.nextDouble();

**double** z = sc.nextDouble();

Main.*getMaxValue*(n, m, a, b, c, d, x, y, z);

}

}

第二题：跳水比赛