Petrol pump rotation HARD

public class MyClass

{

static class petrolPump

{

int petrol;

int distance;

// constructor

public petrolPump(int petrol, int distance)

{

this.petrol = petrol;

this.distance = distance;

}

}

public static void main(String args[])

{

petrolPump[] arr = {new petrolPump(6, 4),

new petrolPump(3, 6),

new petrolPump(7, 3)};

int start = printTour(arr, arr.length);

System.out.println(start == -1 ? "No Solution" : "Start = " + start);

}

public static int printTour(petrolPump arr[],int n)

{

int start=0;

int end=1;

int price=arr[start].petrol-arr[start].distance;

while(start!=end && price<0)

{

while(start!=end && price<0)

{

price -=arr[start].petrol-arr[start].distance;

start=(start+1)%n;

if(start==0)

{

return -1;

}

}

price +=arr[end].petrol-arr[end].distance;

end=(end+1)%n;

}

return start;

}

}