

```

public class knap{

    public static void main(String a [])
    {
        int numA=0,numB=0,numC=0;
        int     volA=1,volB=3,volC=5;
        int     feeA=11,feeB=32,feeC=58;
        int  max = 0;
        int i,j,k,vol=8;

        for(i=0;i <= (int)(vol/volA);i++)
        {

            for(j=0;j <= (int)(vol/volB);j++)
            {

                for(k=0;k <= (int)(vol/volC);k++)
                {
                    int y = i*feeA+j*feeB+k*feeC;
                    //      System.out.println("A=" + i + ",B
= "+j + ",C="+ k+ ",fee =" +y);

                    if(i*volA+j*volB+k*volC <= vol)
                    {
                        // allowed loading
                        if(i*feeA+j*feeB+k*feeC >= max)
                        {
                            max =
i*feeA+j*feeB+k*feeC;
                            numA=i;numB=j;numC=k;

System.out.println("A=" + numA + ",B = "+ numB + ",C="+ numC + " with fee =" +max);
                        }
                    }
                }
            }

        }

        System.out.println("A=" + numA + ",B = "+ numB + ",C="+ numC + " with fee =" +max);

    }

}

```