

for (i=0; i<N; i++)

for (j=i ; j<N; j++)

for (k=j ; k<N; k++)

maxValue = max (A[i] * B + A(j] * C + A(k)*), max Value)

m, is max -> tve

B, C, D.

L

tve +ve +ve

mi*B mi*c mi*D.

B C D -ve -ve j-ve by b mx c mx x D.

If B is -ve (max)* B.

(-21, 34, 3, 46, 8, -47, 47), B=-13, C=10, D=9.

4629

[273-210, 273+340, 273+340, 273+460, 273+460, 273+460, 273+460) [63, 613, 613, 733, 733, 733, 733]

[63-189, 613+306, 613+306, 613+414, 613+414, 613+414, 613+414, 613+414) [-126,919,919,147,107,127,127]

```
public int solve(int[] A, int B, int C, int D) {
    int[] pf = new int[A.length];
    pf[0] = A[0]*B;
    for(int i=1; i<A.length; i++){
        pf[i] = Math.max(pf[i-1], A[i]*B);
    }

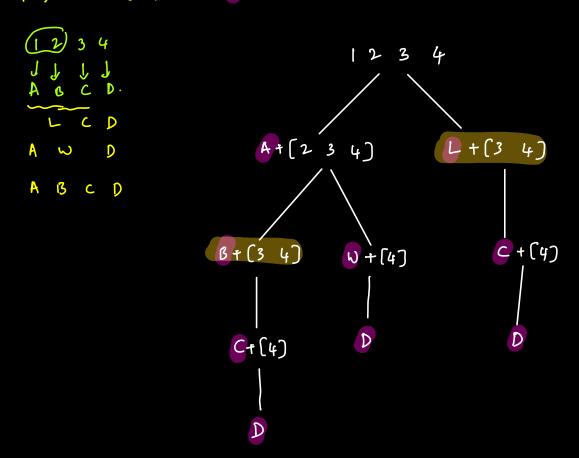
    pf[0] = pf[0]+C*A[0];
    for(int i=1; i<A.length; i++){
        pf[i] = Math.max(pf[i-1], pf[i]+C*A[i]);
    }

    pf[0] = pf[0]+D*A[0];
    for(int i=1; i<A.length; i++){
        pf[i] = Math.max(pf[i-1], pf[i]+D*A[i]);
    }

    return pf[A.length-1];
}</pre>
```

(2 4 1 6 3 5 0), B= 3, C= 4, 0=5.

ABCDEFGHIJKLMNOPARSTUVWXYZ IV3456A8910 HIZBI4151617181910 4 22 23 24 25 26



 $dp(i) \rightarrow No. of ways to decode chars from (0-i)$ dp(i) = dp(i-1) + dp(i-2) if(i i-1) < 26.

```
ways To Decode (String word, int i)
int
    ik (i 40)
                                                           [1234,3]
       return 0
   if (i<=0)
                                                            (123,2)
       return 1
   if(ap(i)!=-1)
       int count = ways To De code (word, i-1)
                                                                     (1,0)
                                                        (12,1)
      if (can Decode Two Chars (i, word))
            count += ways To De code (word, i-2)
                                                     (1,0)
      dp (i) = count
   return ap(i)
```