פתרון בעית הבדים

static int Cut(int[,] p, int m, int n)

{

int max = 0;

int[,] result = new int[m+1, n+1];

result[1, 1] = p[1, 1];

for (int sumIJ =3 ; sumIJ <= n + m; sumIJ++)

for (int i =1 ; i <= m; i++)

if(sumIJ-i <=n)

{

max = p[i,sumIJ-i];

result[i,sumIJ-i] = max;

for (int k = 1; k < i; k++)

if (result[k, sumIJ - i] + result[i - k, sumIJ - i] > max)

{

max = result[k, sumIJ - i] + result[i - k, sumIJ - i];

result[i, sumIJ - i] = max;

}

for (int k = 1; k < sumIJ-i; k++)

if (result[i, k] + result[i, sumIJ - i - k] > max)

{

max = result[i, k] + result[i, sumIJ - i - k];

result[i, sumIJ - i] = max;

}

}

return result[m, n];

}

static void Main(string[] args)

{

int[,] p =

{{0,0,0,0 ,0},

{0,1,4,5,0},

{0,8,3,1,0},

{0,0,0,0,2} };

Console.WriteLine(Cut(p, 3, 4));

Console.ReadKey()

;

}

}