

POJ 2411

```
#include<iostream>
#include<cstdio>
#include<cstring>
#include<cmath>
#include<cstdlib>
using namespace std;
int h,w;
long long f[12][(1<<12)];
int read()
{
    int x=0,f=1;char c=getchar();
    while(c<'0' || c>'9'){if(c=='-')f=-1;c=getchar();}
    while(c>='0'&&c<='9'){x=x*10+c-'0';c=getchar();}
    return x*f;
}
int main()
{
    h=read(),w=read();
    while(h&&w)
    {
        if((h*w)%2){puts("0"),h=read(),w=read();continue;}
        memset(f,0,sizeof(f));
        if(!h&&!w)break;
        for(int i=1;i<=h;i++)
        {
            for(int j=0;j<(1<<w);j++)
            {
                if(i==1)
                {
                    f[i][j]=1;
                    for(int l=1;l<(1<<w);l<=1)
                    {
                        if((j&l)==0)
                        {
                            if((l<<1)>=(1<<w)){f[i][j]=0;break;}
                            else if(j&(l<<1)){f[i][j]=0;break;}
                            else l<=1;
                        }
                    }
                }
                else
                {
                    for(int k=0;k<(1<<w);k++)
                    {
                        if(!f[i-1][k])continue;
                        f[i][j]+=f[i-1][k];
                        for(int l=1;l<(1<<w);l<=1)
                        {
                            if(k&l)
```

```
        {
            if(j&l){f[i][j]-=f[i-1][k];break;}
        }
        else if((j&l)==0)
        {
            if((l<<1)>=(1<<w)){f[i][j]-
=f[i-1][k];break;}

            else if(j&(l<<1)){f[i][j]-=f[i-1][k];break;}
            else if(k&(l<<1)){f[i][j]-=f[i-1][k];break;}
            else l<<=1;
        }
    }
}

printf("%lld\n",f[h][0]);
h=read(),w=read();
}
return 0;
}
```

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Last update: 2020/05/10 01:33