Advent of Code

```
--- Day 8: Space Image Format ---
Part 1:
 clear; clc;
 px=(length(x)/25)/6;
 C={}; con=1; zl=[];
 for i=1:1:px
     temp=zeros(6,25);
     for i1=1:1:6
        for i2=1:1:25
            temp(i1,i2)=str2double(x(con));
            con=con+1;
        end
     end
     C{i,1}=temp;
     zl(i,1)=length(find(temp==0));
 end
 [p,q]=min(zl);
 fprintf('The layer with fewest 0 digits is the layer %d\n',q);
 The layer with fewest 0 digits is the layer 15
 temp1=C{q,1};
 an=length(find(temp1==2))*length(find(temp1==1));
 disp(an)
       2520
Part 2:
 fimg=zeros(6,25,3); w=[255,255,255]; b=[0,0,0];
 imgf=C{1,1};
 for j=2:1:length(C)
     imgf(:,:,j)=C{j,1};
 end
 for j1=1:1:6
     for j2=1:1:25
        for j3=1:1:100
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if imgf(j1,j2,j3)==0
 fimg(j1,j2,:)=b;

elseif imgf(j1,j2,j3)==1
 fimg(j1,j2,:)=w;

break

break

end

end

end

imshow(fimg)

end

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