

Advent of Code

--- Day 1: The Tyranny of the Rocket Equation ---

Part 1

```
f=fopen('dayone.txt','r');
in=fscanf(f,'%f');
in=in';
totalFuel=zeros(1,100);
for i=1:1:length(in)
    totalFuel(1,i)=floor(in(i)/3)-2;
end
AN=sum(totalFuel);
disp(AN);
```

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Part 2

```
TotalFuel2=zeros(1,100);
for j=1:1:length(totalFuel)
    temp=[];
    z=totalFuel(1,j);
    temp(1,1)=z;
    c=2;
    while true
        x=floor(z/3);
        temp(1,c)=x-2;
        z=x-2;
        if z<0
            temp(1,c)=0;
            break
        end
        c=c+1;
    end
    TotalFuel2(1,j)=sum(temp);
end
ANF=sum(TotalFuel2)
```

ANF = 5046772