Advent of Code

--- Day 1: Chronal Calibration ---

Problem 1

```matlab
load('input.txt');
input=input';
frequency=0;
fcheck=[];
for i=1:1:length(input)
    frequency=frequency+input(1,i);
    fcheck(1,i)=frequency;
end
disp(frequency);
```

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Problem 2

```matlab
fcheck1=[];
while true
    if ~(length(fcheck)==length(unique(fcheck)))
        [vu,iu]=unique(fcheck);
        ir=setdiff(1:length(fcheck),iu);
        vr=fcheck(1,ir);
        break
    end
    for i=1:1:length(input)
        frequency=frequency+input(1,i);
        fcheck1(1,i)=frequency;
    end
    fcheck=horzcat(fcheck,fcheck1);
end
disp(min(vr))
```

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