

Advent of Code

--- Day 2: 1202 Program Alarm ---

Part 1

```
inp=[1,0,0,3,1,1,2,3,1,3,4,3,1,5,0,3,2,10,1,19,1,6,19,23,1,23,13,...
    27,2,6,27,31,1,5,31,35,2,10,35,39,1,6,39,43,1,13,43,47,2,47,...
    6,51,1,51,5,55,1,55,6,59,2,59,10,63,1,63,6,67,2,67,10,71,1,...
    71,9,75,2,75,10,79,1,79,5,83,2,10,83,87,1,87,6,91,2,9,91,95,1,...
    95,5,99,1,5,99,103,1,103,10,107,1,9,107,111,1,6,111,115,1,115,5,...
    119,1,10,119,123,2,6,123,127,2,127,6,131,1,131,2,135,1,10,135,0,99,2,0,14,0];

inp1=inp;
inp(2)=12; inp(3)=2;

for i=1:4:length(inp)
    if i<145
        temp1=inp(1,i+1);
        temp2=inp(1,i+2);
        temp3=inp(1,i+3);

        if inp(1,i)==1
            inp(1,temp3+1)=inp(temp1+1)+inp(1,temp2+1);
        end

        if inp(1,i)==2
            inp(1,temp3+1)=inp(temp1+1)*inp(1,temp2+1);
        end

        if inp(1,i)==99
            break
        end
    end
end
disp(inp(1))
```

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Part 2

```
inpp=inp1;
for j=0:1:99
    for k=0:1:99
        timp=inpp;
        c=opcode(timp,j,k);
        if c(1)==19690720
            disp(j)
            disp(k)
        end
    end
end
```

