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```
clear
```

NOTE:

The way we plot is by selecting parsed data 1 by 1 and just hitting run. This helps us adjust the parameters between different sets of data for testing purposes. We can also use this to isolate different segments and plot individually. This design choice for code was purposeful

```
coviddata = load("COVIDdata.mat"); % TO SPECIFY
% The following line creates an 'anonymous' function that will return the cost
 (i.e., the model fitting error) given a set
% of parameters.  There are some technical reasons for setting this up in this
 way.
% Feel free to peruse the MATLAB help at
% https://www.mathworks.com/help/optim/ug/fmincon.html
% and see the sectiono on 'passing extra arguments'
% Basically, 'sirafun' is being set as the function siroutput (which you
% will be designing) but with t and coviddata specified.
pop = coviddata.STLmetroPop*1e5;
t = length(coviddata.COVID_STLmetro.cases); % TO SPECIFY
% t = 318 for mask mandate
coviddata = coviddata.COVID_STLmetro;
```

Data parsing to fit for different waves

```
coviddata2 = coviddata(1:134,:); % 07-18-2020
coviddata3 = coviddata(134:237,:); %10-29-2020
coviddata4 = coviddata(237:318,:); %01 - 18-2021
coviddata5 = coviddata(318:508,:);%07-27-2021
coviddata6 = coviddata(508:655,:);%12-21-2021
coviddata7 = coviddata(655:end,:);%05-13-2022

coviddata8 = coviddata(421:605,:); % Data for 5/1/21 – 11/1/21

t2 = length(coviddata2.date);
t3 = length(coviddata3.date);
t4 = length(coviddata4.date);
t5 = length(coviddata5.date);
t6 = length(coviddata6.date);
```

```
t7 = length(coviddata7.date);
t8 = length(coviddata8.date); % Correspoinding time for delta variant
```

Input data periods to plot here

```
%Note: Input data here for accurate plots

Inputtime = t;        %Input time here
InputData = coviddata; %Input data here

Policy = false; %Set to true to implement policy

sirafun= @(x)siroutput(x,Inputtime,InputData);
```

set up rate and initial condition constraints

Set A and b to impose a parameter inequality constraint of the form A*x < b Note that this is imposed element-wise If you don't want such a constraint, keep these matrices empty.

```
A = [0 0 1 0 0 0 0 0 0 0];
b = [1];
```

set up some fixed constraints

Set Af and bf to impose a parameter constraint of the form Af*x = bf Hint: For example, the sum of the initial conditions should be constrained If you don't want such a constraint, keep these matrices empty.

```
Af = ([0,0,0,1,1,1,1,0,0,0]);
bf = 1;
```

set up upper and lower bound constraints

Set upper and lower bounds on the parameters lb < x < ub here, the inequality is imposed element-wise If you don't want such a constraint, keep these matrices empty.

```
ub = [0.5 1 1 1 1 1 0 1 1 1];
lb = [0 0 0 0 0 0 0 0 0 0];

% Specify some initial parameters for the optimizer to start from
x0 = [0.0001    0.0000    0.0010    1.0000    0.000    0.000    0.001
 0.4643    0.4643    0.4643];


x = fmincon(sirafun,x0,A,b,Af,bf,lb,ub);

if Policy
x(1) = 0.75*(x(1));%First policy trial: Reduce infection rate by 25%
x(3) = 1.05*(x(3));%Increased recovery rate due to reduced workloads at
 hospitals
end

Y_fit = siroutput_full(x,Inputtime);
```

```
hold on
Simcases = pop - Y_fit(:,1)*pop; %Simulation cases
Simdeaths = Y_fit(:,4).*pop;    %Simulation deaths



% Make some plots that illustrate your findings.

plot(InputData.date,InputData.deaths,'b');
hold on
plot(InputData.date,Simdeaths,'r','LineWidth',1);
legend('Deaths data', 'Simulated deaths')
title("")
xlabel('date')
ylabel('Number of deaths to date')
```

Local minimum found that satisfies the constraints.

Optimization completed because the objective function is non-decreasing in feasible directions, to within the value of the optimality tolerance, and constraints are satisfied to within the value of the constraint tolerance.

f =

1.0000	*0.0000*	*0.0000*	*0*
0.9997	*0.0003*	*0.0000*	*0.0000*
0.9994	*0.0006*	*0.0000*	*0.0000*
0.9991	*0.0009*	*0.0000*	*0.0000*
0.9988	*0.0012*	*0.0000*	*0.0000*
0.9985	*0.0015*	*0.0000*	*0.0000*
0.9982	*0.0017*	*0.0001*	*0.0000*
0.9979	*0.0020*	*0.0001*	*0.0000*
0.9976	*0.0023*	*0.0001*	*0.0000*
0.9973	*0.0025*	*0.0001*	*0.0000*
0.9970	*0.0028*	*0.0002*	*0.0000*
0.9967	*0.0031*	*0.0002*	*0.0000*
0.9964	*0.0033*	*0.0003*	*0.0000*
0.9961	*0.0036*	*0.0003*	*0.0000*
0.9958	*0.0038*	*0.0004*	*0.0000*
0.9955	*0.0041*	*0.0004*	*0.0000*
0.9952	*0.0043*	*0.0005*	*0.0000*
0.9949	*0.0045*	*0.0005*	*0.0000*
0.9946	*0.0048*	*0.0006*	*0.0000*
0.9943	*0.0050*	*0.0007*	*0.0000*
0.9940	*0.0052*	*0.0007*	*0.0000*
0.9937	*0.0054*	*0.0008*	*0.0000*
0.9934	*0.0057*	*0.0009*	*0.0000*
0.9931	*0.0059*	*0.0010*	*0.0000*
0.9928	*0.0061*	*0.0011*	*0.0000*
0.9925	*0.0063*	*0.0011*	*0.0000*
0.9922	*0.0065*	*0.0012*	*0.0000*
0.9919	*0.0067*	*0.0013*	*0.0000*

0.9916	*0.0069*	*0.0014*	*0.0000*
0.9913	*0.0071*	*0.0015*	*0.0000*
0.9911	*0.0073*	*0.0016*	*0.0000*
0.9908	*0.0075*	*0.0017*	*0.0000*
0.9905	*0.0077*	*0.0018*	*0.0000*
0.9902	*0.0079*	*0.0019*	*0.0000*
0.9899	*0.0080*	*0.0021*	*0.0000*
0.9896	*0.0082*	*0.0022*	*0.0000*
0.9893	*0.0084*	*0.0023*	*0.0000*
0.9890	*0.0086*	*0.0024*	*0.0000*
0.9887	*0.0087*	*0.0025*	*0.0000*
0.9884	*0.0089*	*0.0027*	*0.0000*
0.9881	*0.0091*	*0.0028*	*0.0000*
0.9878	*0.0092*	*0.0029*	*0.0000*
0.9875	*0.0094*	*0.0030*	*0.0000*
0.9872	*0.0096*	*0.0032*	*0.0001*
0.9869	*0.0097*	*0.0033*	*0.0001*
0.9866	*0.0099*	*0.0035*	*0.0001*
0.9863	*0.0100*	*0.0036*	*0.0001*
0.9860	*0.0102*	*0.0037*	*0.0001*
0.9857	*0.0103*	*0.0039*	*0.0001*
0.9854	*0.0105*	*0.0040*	*0.0001*
0.9851	*0.0106*	*0.0042*	*0.0001*
0.9848	*0.0108*	*0.0043*	*0.0001*
0.9845	*0.0109*	*0.0045*	*0.0001*
0.9842	*0.0110*	*0.0046*	*0.0001*
0.9840	*0.0112*	*0.0048*	*0.0001*
0.9837	*0.0113*	*0.0050*	*0.0001*
0.9834	*0.0114*	*0.0051*	*0.0001*
0.9831	*0.0116*	*0.0053*	*0.0001*
0.9828	*0.0117*	*0.0055*	*0.0001*
0.9825	*0.0118*	*0.0056*	*0.0001*
0.9822	*0.0119*	*0.0058*	*0.0001*
0.9819	*0.0121*	*0.0060*	*0.0001*
0.9816	*0.0122*	*0.0061*	*0.0001*
0.9813	*0.0123*	*0.0063*	*0.0001*
0.9810	*0.0124*	*0.0065*	*0.0001*
0.9807	*0.0125*	*0.0067*	*0.0001*
0.9804	*0.0126*	*0.0068*	*0.0001*
0.9801	*0.0127*	*0.0070*	*0.0001*
0.9798	*0.0129*	*0.0072*	*0.0001*
0.9795	*0.0130*	*0.0074*	*0.0001*
0.9792	*0.0131*	*0.0076*	*0.0001*
0.9790	*0.0132*	*0.0078*	*0.0001*
0.9787	*0.0133*	*0.0079*	*0.0001*
0.9784	*0.0134*	*0.0081*	*0.0001*
0.9781	*0.0135*	*0.0083*	*0.0001*
0.9778	*0.0136*	*0.0085*	*0.0001*
0.9775	*0.0137*	*0.0087*	*0.0001*
0.9772	*0.0138*	*0.0089*	*0.0001*
0.9769	*0.0139*	*0.0091*	*0.0001*
0.9766	*0.0139*	*0.0093*	*0.0001*
0.9763	*0.0140*	*0.0095*	*0.0002*
0.9760	*0.0141*	*0.0097*	*0.0002*

0.9757	*0.0142*	*0.0099*	*0.0002*
0.9754	*0.0143*	*0.0101*	*0.0002*
0.9751	*0.0144*	*0.0103*	*0.0002*
0.9749	*0.0145*	*0.0105*	*0.0002*
0.9746	*0.0145*	*0.0107*	*0.0002*
0.9743	*0.0146*	*0.0109*	*0.0002*
0.9740	*0.0147*	*0.0111*	*0.0002*
0.9737	*0.0148*	*0.0113*	*0.0002*
0.9734	*0.0149*	*0.0116*	*0.0002*
0.9731	*0.0149*	*0.0118*	*0.0002*
0.9728	*0.0150*	*0.0120*	*0.0002*
0.9725	*0.0151*	*0.0122*	*0.0002*
0.9722	*0.0152*	*0.0124*	*0.0002*
0.9719	*0.0152*	*0.0126*	*0.0002*
0.9716	*0.0153*	*0.0128*	*0.0002*
0.9714	*0.0154*	*0.0131*	*0.0002*
0.9711	*0.0154*	*0.0133*	*0.0002*
0.9708	*0.0155*	*0.0135*	*0.0002*
0.9705	*0.0156*	*0.0137*	*0.0002*
0.9702	*0.0156*	*0.0140*	*0.0002*
0.9699	*0.0157*	*0.0142*	*0.0002*
0.9696	*0.0158*	*0.0144*	*0.0002*
0.9693	*0.0158*	*0.0146*	*0.0002*
0.9690	*0.0159*	*0.0149*	*0.0002*
0.9687	*0.0159*	*0.0151*	*0.0002*
0.9685	*0.0160*	*0.0153*	*0.0002*
0.9682	*0.0161*	*0.0155*	*0.0002*
0.9679	*0.0161*	*0.0158*	*0.0002*
0.9676	*0.0162*	*0.0160*	*0.0003*
0.9673	*0.0162*	*0.0162*	*0.0003*
0.9670	*0.0163*	*0.0165*	*0.0003*
0.9667	*0.0163*	*0.0167*	*0.0003*
0.9664	*0.0164*	*0.0169*	*0.0003*
0.9661	*0.0164*	*0.0172*	*0.0003*
0.9658	*0.0165*	*0.0174*	*0.0003*
0.9656	*0.0165*	*0.0176*	*0.0003*
0.9653	*0.0166*	*0.0179*	*0.0003*
0.9650	*0.0166*	*0.0181*	*0.0003*
0.9647	*0.0167*	*0.0183*	*0.0003*
0.9644	*0.0167*	*0.0186*	*0.0003*
0.9641	*0.0168*	*0.0188*	*0.0003*
0.9638	*0.0168*	*0.0191*	*0.0003*
0.9635	*0.0169*	*0.0193*	*0.0003*
0.9632	*0.0169*	*0.0195*	*0.0003*
0.9630	*0.0170*	*0.0198*	*0.0003*
0.9627	*0.0170*	*0.0200*	*0.0003*
0.9624	*0.0170*	*0.0203*	*0.0003*
0.9621	*0.0171*	*0.0205*	*0.0003*
0.9618	*0.0171*	*0.0208*	*0.0003*
0.9615	*0.0172*	*0.0210*	*0.0003*
0.9612	*0.0172*	*0.0212*	*0.0003*
0.9609	*0.0172*	*0.0215*	*0.0003*
0.9606	*0.0173*	*0.0217*	*0.0003*
0.9604	*0.0173*	*0.0220*	*0.0003*

0.9601	*0.0173*	*0.0222*	*0.0004*
0.9598	*0.0174*	*0.0225*	*0.0004*
0.9595	*0.0174*	*0.0227*	*0.0004*
0.9592	*0.0175*	*0.0230*	*0.0004*
0.9589	*0.0175*	*0.0232*	*0.0004*
0.9586	*0.0175*	*0.0235*	*0.0004*
0.9583	*0.0176*	*0.0237*	*0.0004*
0.9581	*0.0176*	*0.0240*	*0.0004*
0.9578	*0.0176*	*0.0242*	*0.0004*
0.9575	*0.0176*	*0.0245*	*0.0004*
0.9572	*0.0177*	*0.0247*	*0.0004*
0.9569	*0.0177*	*0.0250*	*0.0004*
0.9566	*0.0177*	*0.0252*	*0.0004*
0.9563	*0.0178*	*0.0255*	*0.0004*
0.9561	*0.0178*	*0.0257*	*0.0004*
0.9558	*0.0178*	*0.0260*	*0.0004*
0.9555	*0.0179*	*0.0262*	*0.0004*
0.9552	*0.0179*	*0.0265*	*0.0004*
0.9549	*0.0179*	*0.0268*	*0.0004*
0.9546	*0.0179*	*0.0270*	*0.0004*
0.9543	*0.0180*	*0.0273*	*0.0004*
0.9541	*0.0180*	*0.0275*	*0.0004*
0.9538	*0.0180*	*0.0278*	*0.0004*
0.9535	*0.0180*	*0.0280*	*0.0004*
0.9532	*0.0181*	*0.0283*	*0.0004*
0.9529	*0.0181*	*0.0286*	*0.0005*
0.9526	*0.0181*	*0.0288*	*0.0005*
0.9523	*0.0181*	*0.0291*	*0.0005*
0.9521	*0.0181*	*0.0293*	*0.0005*
0.9518	*0.0182*	*0.0296*	*0.0005*
0.9515	*0.0182*	*0.0299*	*0.0005*
0.9512	*0.0182*	*0.0301*	*0.0005*
0.9509	*0.0182*	*0.0304*	*0.0005*
0.9506	*0.0183*	*0.0306*	*0.0005*
0.9503	*0.0183*	*0.0309*	*0.0005*
0.9501	*0.0183*	*0.0312*	*0.0005*
0.9498	*0.0183*	*0.0314*	*0.0005*
0.9495	*0.0183*	*0.0317*	*0.0005*
0.9492	*0.0183*	*0.0319*	*0.0005*
0.9489	*0.0184*	*0.0322*	*0.0005*
0.9486	*0.0184*	*0.0325*	*0.0005*
0.9484	*0.0184*	*0.0327*	*0.0005*
0.9481	*0.0184*	*0.0330*	*0.0005*
0.9478	*0.0184*	*0.0333*	*0.0005*
0.9475	*0.0185*	*0.0335*	*0.0005*
0.9472	*0.0185*	*0.0338*	*0.0005*
0.9469	*0.0185*	*0.0340*	*0.0005*
0.9466	*0.0185*	*0.0343*	*0.0005*
0.9464	*0.0185*	*0.0346*	*0.0005*
0.9461	*0.0185*	*0.0348*	*0.0006*
0.9458	*0.0185*	*0.0351*	*0.0006*
0.9455	*0.0186*	*0.0354*	*0.0006*
0.9452	*0.0186*	*0.0356*	*0.0006*
0.9449	*0.0186*	*0.0359*	*0.0006*

0.9447	*0.0186*	*0.0362*	*0.0006*
0.9444	*0.0186*	*0.0364*	*0.0006*
0.9441	*0.0186*	*0.0367*	*0.0006*
0.9438	*0.0186*	*0.0370*	*0.0006*
0.9435	*0.0186*	*0.0372*	*0.0006*
0.9433	*0.0187*	*0.0375*	*0.0006*
0.9430	*0.0187*	*0.0378*	*0.0006*
0.9427	*0.0187*	*0.0380*	*0.0006*
0.9424	*0.0187*	*0.0383*	*0.0006*
0.9421	*0.0187*	*0.0386*	*0.0006*
0.9418	*0.0187*	*0.0388*	*0.0006*
0.9416	*0.0187*	*0.0391*	*0.0006*
0.9413	*0.0187*	*0.0394*	*0.0006*
0.9410	*0.0187*	*0.0396*	*0.0006*
0.9407	*0.0188*	*0.0399*	*0.0006*
0.9404	*0.0188*	*0.0402*	*0.0006*
0.9401	*0.0188*	*0.0404*	*0.0006*
0.9399	*0.0188*	*0.0407*	*0.0006*
0.9396	*0.0188*	*0.0410*	*0.0006*
0.9393	*0.0188*	*0.0412*	*0.0007*
0.9390	*0.0188*	*0.0415*	*0.0007*
0.9387	*0.0188*	*0.0418*	*0.0007*
0.9385	*0.0188*	*0.0420*	*0.0007*
0.9382	*0.0188*	*0.0423*	*0.0007*
0.9379	*0.0188*	*0.0426*	*0.0007*
0.9376	*0.0189*	*0.0429*	*0.0007*
0.9373	*0.0189*	*0.0431*	*0.0007*
0.9371	*0.0189*	*0.0434*	*0.0007*
0.9368	*0.0189*	*0.0437*	*0.0007*
0.9365	*0.0189*	*0.0439*	*0.0007*
0.9362	*0.0189*	*0.0442*	*0.0007*
0.9359	*0.0189*	*0.0445*	*0.0007*
0.9357	*0.0189*	*0.0447*	*0.0007*
0.9354	*0.0189*	*0.0450*	*0.0007*
0.9351	*0.0189*	*0.0453*	*0.0007*
0.9348	*0.0189*	*0.0456*	*0.0007*
0.9345	*0.0189*	*0.0458*	*0.0007*
0.9343	*0.0189*	*0.0461*	*0.0007*
0.9340	*0.0189*	*0.0464*	*0.0007*
0.9337	*0.0189*	*0.0466*	*0.0007*
0.9334	*0.0189*	*0.0469*	*0.0007*
0.9331	*0.0189*	*0.0472*	*0.0007*
0.9329	*0.0190*	*0.0474*	*0.0008*
0.9326	*0.0190*	*0.0477*	*0.0008*
0.9323	*0.0190*	*0.0480*	*0.0008*
0.9320	*0.0190*	*0.0483*	*0.0008*
0.9317	*0.0190*	*0.0485*	*0.0008*
0.9315	*0.0190*	*0.0488*	*0.0008*
0.9312	*0.0190*	*0.0491*	*0.0008*
0.9309	*0.0190*	*0.0493*	*0.0008*
0.9306	*0.0190*	*0.0496*	*0.0008*
0.9303	*0.0190*	*0.0499*	*0.0008*
0.9301	*0.0190*	*0.0502*	*0.0008*
0.9298	*0.0190*	*0.0504*	*0.0008*

0.9295	*0.0190*	*0.0507*	*0.0008*
0.9292	*0.0190*	*0.0510*	*0.0008*
0.9289	*0.0190*	*0.0512*	*0.0008*
0.9287	*0.0190*	*0.0515*	*0.0008*
0.9284	*0.0190*	*0.0518*	*0.0008*
0.9281	*0.0190*	*0.0521*	*0.0008*
0.9278	*0.0190*	*0.0523*	*0.0008*
0.9276	*0.0190*	*0.0526*	*0.0008*
0.9273	*0.0190*	*0.0529*	*0.0008*
0.9270	*0.0190*	*0.0531*	*0.0008*
0.9267	*0.0190*	*0.0534*	*0.0008*
0.9264	*0.0190*	*0.0537*	*0.0008*
0.9262	*0.0190*	*0.0540*	*0.0009*
0.9259	*0.0190*	*0.0542*	*0.0009*
0.9256	*0.0190*	*0.0545*	*0.0009*
0.9253	*0.0190*	*0.0548*	*0.0009*
0.9251	*0.0190*	*0.0550*	*0.0009*
0.9248	*0.0190*	*0.0553*	*0.0009*
0.9245	*0.0190*	*0.0556*	*0.0009*
0.9242	*0.0190*	*0.0559*	*0.0009*
0.9240	*0.0190*	*0.0561*	*0.0009*
0.9237	*0.0190*	*0.0564*	*0.0009*
0.9234	*0.0190*	*0.0567*	*0.0009*
0.9231	*0.0190*	*0.0569*	*0.0009*
0.9228	*0.0190*	*0.0572*	*0.0009*
0.9226	*0.0190*	*0.0575*	*0.0009*
0.9223	*0.0190*	*0.0578*	*0.0009*
0.9220	*0.0190*	*0.0580*	*0.0009*
0.9217	*0.0190*	*0.0583*	*0.0009*
0.9215	*0.0190*	*0.0586*	*0.0009*
0.9212	*0.0190*	*0.0588*	*0.0009*
0.9209	*0.0190*	*0.0591*	*0.0009*
0.9206	*0.0190*	*0.0594*	*0.0009*
0.9204	*0.0190*	*0.0597*	*0.0009*
0.9201	*0.0190*	*0.0599*	*0.0009*
0.9198	*0.0190*	*0.0602*	*0.0010*
0.9195	*0.0190*	*0.0605*	*0.0010*
0.9193	*0.0190*	*0.0608*	*0.0010*
0.9190	*0.0190*	*0.0610*	*0.0010*
0.9187	*0.0190*	*0.0613*	*0.0010*
0.9184	*0.0190*	*0.0616*	*0.0010*
0.9182	*0.0190*	*0.0618*	*0.0010*
0.9179	*0.0190*	*0.0621*	*0.0010*
0.9176	*0.0190*	*0.0624*	*0.0010*
0.9173	*0.0190*	*0.0627*	*0.0010*
0.9171	*0.0190*	*0.0629*	*0.0010*
0.9168	*0.0190*	*0.0632*	*0.0010*
0.9165	*0.0190*	*0.0635*	*0.0010*
0.9162	*0.0190*	*0.0637*	*0.0010*
0.9160	*0.0190*	*0.0640*	*0.0010*
0.9157	*0.0190*	*0.0643*	*0.0010*
0.9154	*0.0190*	*0.0646*	*0.0010*
0.9151	*0.0190*	*0.0648*	*0.0010*
0.9149	*0.0190*	*0.0651*	*0.0010*

0.9146	*0.0190*	*0.0654*	*0.0010*
0.9143	*0.0190*	*0.0656*	*0.0010*
0.9140	*0.0190*	*0.0659*	*0.0010*
0.9138	*0.0190*	*0.0662*	*0.0010*
0.9135	*0.0190*	*0.0665*	*0.0011*
0.9132	*0.0190*	*0.0667*	*0.0011*
0.9129	*0.0190*	*0.0670*	*0.0011*
0.9127	*0.0190*	*0.0673*	*0.0011*
0.9124	*0.0190*	*0.0675*	*0.0011*
0.9121	*0.0190*	*0.0678*	*0.0011*
0.9119	*0.0190*	*0.0681*	*0.0011*
0.9116	*0.0190*	*0.0684*	*0.0011*
0.9113	*0.0190*	*0.0686*	*0.0011*
0.9110	*0.0190*	*0.0689*	*0.0011*
0.9108	*0.0190*	*0.0692*	*0.0011*
0.9105	*0.0190*	*0.0694*	*0.0011*
0.9102	*0.0190*	*0.0697*	*0.0011*
0.9099	*0.0190*	*0.0700*	*0.0011*
0.9097	*0.0190*	*0.0703*	*0.0011*
0.9094	*0.0190*	*0.0705*	*0.0011*
0.9091	*0.0190*	*0.0708*	*0.0011*
0.9089	*0.0190*	*0.0711*	*0.0011*
0.9086	*0.0190*	*0.0713*	*0.0011*
0.9083	*0.0189*	*0.0716*	*0.0011*
0.9080	*0.0189*	*0.0719*	*0.0011*
0.9078	*0.0189*	*0.0721*	*0.0011*
0.9075	*0.0189*	*0.0724*	*0.0011*
0.9072	*0.0189*	*0.0727*	*0.0012*
0.9069	*0.0189*	*0.0730*	*0.0012*
0.9067	*0.0189*	*0.0732*	*0.0012*
0.9064	*0.0189*	*0.0735*	*0.0012*
0.9061	*0.0189*	*0.0738*	*0.0012*
0.9059	*0.0189*	*0.0740*	*0.0012*
0.9056	*0.0189*	*0.0743*	*0.0012*
0.9053	*0.0189*	*0.0746*	*0.0012*
0.9050	*0.0189*	*0.0749*	*0.0012*
0.9048	*0.0189*	*0.0751*	*0.0012*
0.9045	*0.0189*	*0.0754*	*0.0012*
0.9042	*0.0189*	*0.0757*	*0.0012*
0.9040	*0.0189*	*0.0759*	*0.0012*
0.9037	*0.0189*	*0.0762*	*0.0012*
0.9034	*0.0189*	*0.0765*	*0.0012*
0.9032	*0.0189*	*0.0767*	*0.0012*
0.9029	*0.0189*	*0.0770*	*0.0012*
0.9026	*0.0189*	*0.0773*	*0.0012*
0.9023	*0.0189*	*0.0776*	*0.0012*
0.9021	*0.0189*	*0.0778*	*0.0012*
0.9018	*0.0189*	*0.0781*	*0.0012*
0.9015	*0.0189*	*0.0784*	*0.0012*
0.9013	*0.0189*	*0.0786*	*0.0012*
0.9010	*0.0189*	*0.0789*	*0.0012*
0.9007	*0.0189*	*0.0792*	*0.0013*
0.9005	*0.0189*	*0.0794*	*0.0013*
0.9002	*0.0188*	*0.0797*	*0.0013*

0.8999	*0.0188*	*0.0800*	*0.0013*
0.8996	*0.0188*	*0.0802*	*0.0013*
0.8994	*0.0188*	*0.0805*	*0.0013*
0.8991	*0.0188*	*0.0808*	*0.0013*
0.8988	*0.0188*	*0.0811*	*0.0013*
0.8986	*0.0188*	*0.0813*	*0.0013*
0.8983	*0.0188*	*0.0816*	*0.0013*
0.8980	*0.0188*	*0.0819*	*0.0013*
0.8978	*0.0188*	*0.0821*	*0.0013*
0.8975	*0.0188*	*0.0824*	*0.0013*
0.8972	*0.0188*	*0.0827*	*0.0013*
0.8970	*0.0188*	*0.0829*	*0.0013*
0.8967	*0.0188*	*0.0832*	*0.0013*
0.8964	*0.0188*	*0.0835*	*0.0013*
0.8961	*0.0188*	*0.0837*	*0.0013*
0.8959	*0.0188*	*0.0840*	*0.0013*
0.8956	*0.0188*	*0.0843*	*0.0013*
0.8953	*0.0188*	*0.0845*	*0.0013*
0.8951	*0.0188*	*0.0848*	*0.0013*
0.8948	*0.0188*	*0.0851*	*0.0013*
0.8945	*0.0188*	*0.0854*	*0.0014*
0.8943	*0.0188*	*0.0856*	*0.0014*
0.8940	*0.0188*	*0.0859*	*0.0014*
0.8937	*0.0187*	*0.0862*	*0.0014*
0.8935	*0.0187*	*0.0864*	*0.0014*
0.8932	*0.0187*	*0.0867*	*0.0014*
0.8929	*0.0187*	*0.0870*	*0.0014*
0.8927	*0.0187*	*0.0872*	*0.0014*
0.8924	*0.0187*	*0.0875*	*0.0014*
0.8921	*0.0187*	*0.0878*	*0.0014*
0.8919	*0.0187*	*0.0880*	*0.0014*
0.8916	*0.0187*	*0.0883*	*0.0014*
0.8913	*0.0187*	*0.0886*	*0.0014*
0.8911	*0.0187*	*0.0888*	*0.0014*
0.8908	*0.0187*	*0.0891*	*0.0014*
0.8905	*0.0187*	*0.0894*	*0.0014*
0.8903	*0.0187*	*0.0896*	*0.0014*
0.8900	*0.0187*	*0.0899*	*0.0014*
0.8897	*0.0187*	*0.0902*	*0.0014*
0.8895	*0.0187*	*0.0904*	*0.0014*
0.8892	*0.0187*	*0.0907*	*0.0014*
0.8889	*0.0187*	*0.0910*	*0.0014*
0.8887	*0.0187*	*0.0912*	*0.0014*
0.8884	*0.0187*	*0.0915*	*0.0014*
0.8881	*0.0187*	*0.0918*	*0.0015*
0.8879	*0.0186*	*0.0920*	*0.0015*
0.8876	*0.0186*	*0.0923*	*0.0015*
0.8873	*0.0186*	*0.0926*	*0.0015*
0.8871	*0.0186*	*0.0928*	*0.0015*
0.8868	*0.0186*	*0.0931*	*0.0015*
0.8865	*0.0186*	*0.0934*	*0.0015*
0.8863	*0.0186*	*0.0936*	*0.0015*
0.8860	*0.0186*	*0.0939*	*0.0015*
0.8857	*0.0186*	*0.0942*	*0.0015*

0.8855	0.0186	0.0944	0.0015
0.8852	0.0186	0.0947	0.0015
0.8849	0.0186	0.0950	0.0015
0.8847	0.0186	0.0952	0.0015
0.8844	0.0186	0.0955	0.0015
0.8841	0.0186	0.0958	0.0015
0.8839	0.0186	0.0960	0.0015
0.8836	0.0186	0.0963	0.0015
0.8834	0.0186	0.0966	0.0015
0.8831	0.0186	0.0968	0.0015
0.8828	0.0186	0.0971	0.0015
0.8826	0.0186	0.0973	0.0015
0.8823	0.0185	0.0976	0.0015
0.8820	0.0185	0.0979	0.0015
0.8818	0.0185	0.0981	0.0016
0.8815	0.0185	0.0984	0.0016
0.8812	0.0185	0.0987	0.0016
0.8810	0.0185	0.0989	0.0016
0.8807	0.0185	0.0992	0.0016
0.8804	0.0185	0.0995	0.0016
0.8802	0.0185	0.0997	0.0016
0.8799	0.0185	0.1000	0.0016
0.8797	0.0185	0.1003	0.0016
0.8794	0.0185	0.1005	0.0016
0.8791	0.0185	0.1008	0.0016
0.8789	0.0185	0.1011	0.0016
0.8786	0.0185	0.1013	0.0016
0.8783	0.0185	0.1016	0.0016
0.8781	0.0185	0.1018	0.0016
0.8778	0.0185	0.1021	0.0016
0.8775	0.0185	0.1024	0.0016
0.8773	0.0185	0.1026	0.0016
0.8770	0.0184	0.1029	0.0016
0.8768	0.0184	0.1032	0.0016
0.8765	0.0184	0.1034	0.0016
0.8762	0.0184	0.1037	0.0016
0.8760	0.0184	0.1040	0.0016
0.8757	0.0184	0.1042	0.0016
0.8754	0.0184	0.1045	0.0017
0.8752	0.0184	0.1047	0.0017
0.8749	0.0184	0.1050	0.0017
0.8747	0.0184	0.1053	0.0017
0.8744	0.0184	0.1055	0.0017
0.8741	0.0184	0.1058	0.0017
0.8739	0.0184	0.1061	0.0017
0.8736	0.0184	0.1063	0.0017
0.8734	0.0184	0.1066	0.0017
0.8731	0.0184	0.1068	0.0017
0.8728	0.0184	0.1071	0.0017
0.8726	0.0184	0.1074	0.0017
0.8723	0.0184	0.1076	0.0017
0.8720	0.0184	0.1079	0.0017
0.8718	0.0183	0.1082	0.0017
0.8715	0.0183	0.1084	0.0017

0.8713	0.0183	0.1087	0.0017
0.8710	0.0183	0.1089	0.0017
0.8707	0.0183	0.1092	0.0017
0.8705	0.0183	0.1095	0.0017
0.8702	0.0183	0.1097	0.0017
0.8700	0.0183	0.1100	0.0017
0.8697	0.0183	0.1103	0.0017
0.8694	0.0183	0.1105	0.0017
0.8692	0.0183	0.1108	0.0018
0.8689	0.0183	0.1110	0.0018
0.8687	0.0183	0.1113	0.0018
0.8684	0.0183	0.1116	0.0018
0.8681	0.0183	0.1118	0.0018
0.8679	0.0183	0.1121	0.0018
0.8676	0.0183	0.1123	0.0018
0.8674	0.0183	0.1126	0.0018
0.8671	0.0183	0.1129	0.0018
0.8668	0.0182	0.1131	0.0018
0.8666	0.0182	0.1134	0.0018
0.8663	0.0182	0.1136	0.0018
0.8661	0.0182	0.1139	0.0018
0.8658	0.0182	0.1142	0.0018
0.8655	0.0182	0.1144	0.0018
0.8653	0.0182	0.1147	0.0018
0.8650	0.0182	0.1149	0.0018
0.8648	0.0182	0.1152	0.0018
0.8645	0.0182	0.1155	0.0018
0.8642	0.0182	0.1157	0.0018
0.8640	0.0182	0.1160	0.0018
0.8637	0.0182	0.1162	0.0018
0.8635	0.0182	0.1165	0.0018
0.8632	0.0182	0.1168	0.0018
0.8629	0.0182	0.1170	0.0019
0.8627	0.0182	0.1173	0.0019
0.8624	0.0182	0.1175	0.0019
0.8622	0.0182	0.1178	0.0019
0.8619	0.0182	0.1181	0.0019
0.8617	0.0181	0.1183	0.0019
0.8614	0.0181	0.1186	0.0019
0.8611	0.0181	0.1188	0.0019
0.8609	0.0181	0.1191	0.0019
0.8606	0.0181	0.1194	0.0019
0.8604	0.0181	0.1196	0.0019
0.8601	0.0181	0.1199	0.0019
0.8599	0.0181	0.1201	0.0019
0.8596	0.0181	0.1204	0.0019
0.8593	0.0181	0.1207	0.0019
0.8591	0.0181	0.1209	0.0019
0.8588	0.0181	0.1212	0.0019
0.8586	0.0181	0.1214	0.0019
0.8583	0.0181	0.1217	0.0019
0.8580	0.0181	0.1219	0.0019
0.8578	0.0181	0.1222	0.0019
0.8575	0.0181	0.1225	0.0019

0.8573	*0.0181*	*0.1227*	*0.0019*
0.8570	*0.0181*	*0.1230*	*0.0019*
0.8568	*0.0180*	*0.1232*	*0.0020*
0.8565	*0.0180*	*0.1235*	*0.0020*
0.8563	*0.0180*	*0.1238*	*0.0020*
0.8560	*0.0180*	*0.1240*	*0.0020*
0.8557	*0.0180*	*0.1243*	*0.0020*
0.8555	*0.0180*	*0.1245*	*0.0020*
0.8552	*0.0180*	*0.1248*	*0.0020*
0.8550	*0.0180*	*0.1250*	*0.0020*
0.8547	*0.0180*	*0.1253*	*0.0020*
0.8545	*0.0180*	*0.1256*	*0.0020*
0.8542	*0.0180*	*0.1258*	*0.0020*
0.8539	*0.0180*	*0.1261*	*0.0020*
0.8537	*0.0180*	*0.1263*	*0.0020*
0.8534	*0.0180*	*0.1266*	*0.0020*
0.8532	*0.0180*	*0.1268*	*0.0020*
0.8529	*0.0180*	*0.1271*	*0.0020*
0.8527	*0.0180*	*0.1274*	*0.0020*
0.8524	*0.0180*	*0.1276*	*0.0020*
0.8522	*0.0180*	*0.1279*	*0.0020*
0.8519	*0.0179*	*0.1281*	*0.0020*
0.8516	*0.0179*	*0.1284*	*0.0020*
0.8514	*0.0179*	*0.1286*	*0.0020*
0.8511	*0.0179*	*0.1289*	*0.0020*
0.8509	*0.0179*	*0.1291*	*0.0020*
0.8506	*0.0179*	*0.1294*	*0.0020*
0.8504	*0.0179*	*0.1297*	*0.0021*
0.8501	*0.0179*	*0.1299*	*0.0021*
0.8499	*0.0179*	*0.1302*	*0.0021*
0.8496	*0.0179*	*0.1304*	*0.0021*
0.8494	*0.0179*	*0.1307*	*0.0021*
0.8491	*0.0179*	*0.1309*	*0.0021*
0.8488	*0.0179*	*0.1312*	*0.0021*
0.8486	*0.0179*	*0.1315*	*0.0021*
0.8483	*0.0179*	*0.1317*	*0.0021*
0.8481	*0.0179*	*0.1320*	*0.0021*
0.8478	*0.0179*	*0.1322*	*0.0021*
0.8476	*0.0179*	*0.1325*	*0.0021*
0.8473	*0.0179*	*0.1327*	*0.0021*
0.8471	*0.0178*	*0.1330*	*0.0021*
0.8468	*0.0178*	*0.1332*	*0.0021*
0.8466	*0.0178*	*0.1335*	*0.0021*
0.8463	*0.0178*	*0.1337*	*0.0021*
0.8461	*0.0178*	*0.1340*	*0.0021*
0.8458	*0.0178*	*0.1343*	*0.0021*
0.8455	*0.0178*	*0.1345*	*0.0021*
0.8453	*0.0178*	*0.1348*	*0.0021*
0.8450	*0.0178*	*0.1350*	*0.0021*
0.8448	*0.0178*	*0.1353*	*0.0021*
0.8445	*0.0178*	*0.1355*	*0.0021*
0.8443	*0.0178*	*0.1358*	*0.0021*
0.8440	*0.0178*	*0.1360*	*0.0022*
0.8438	*0.0178*	*0.1363*	*0.0022*

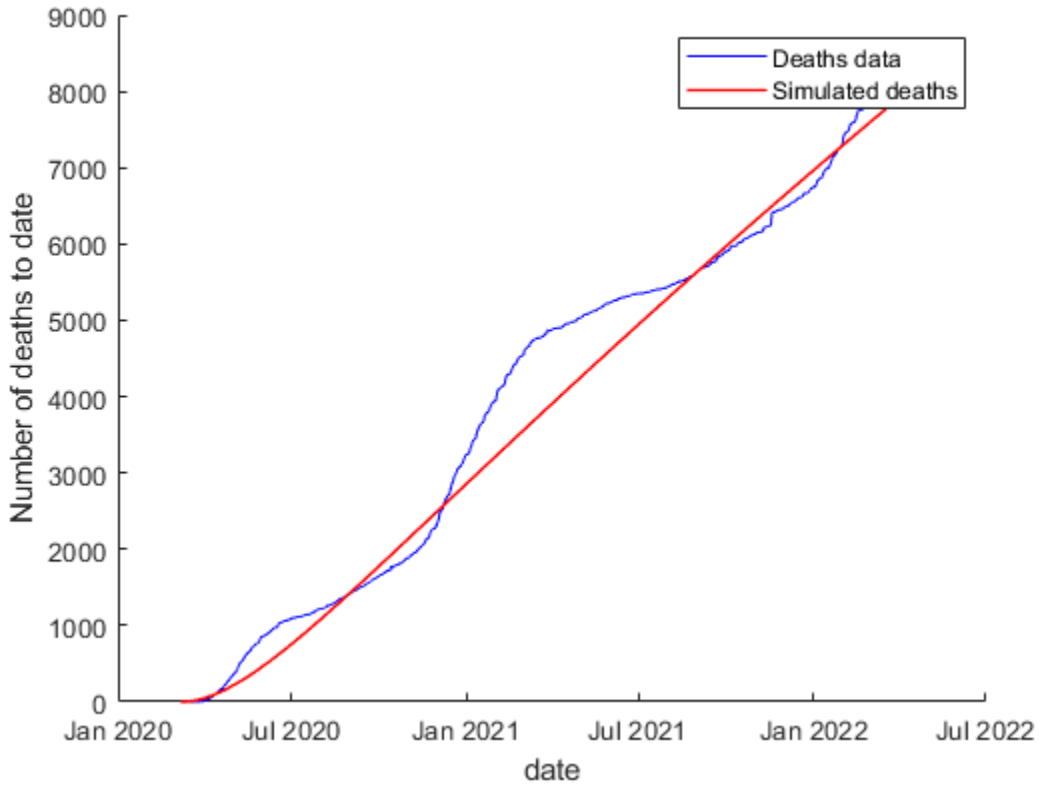
0.8435	0.0178	0.1365	0.0022
0.8433	0.0178	0.1368	0.0022
0.8430	0.0178	0.1371	0.0022
0.8428	0.0178	0.1373	0.0022
0.8425	0.0178	0.1376	0.0022
0.8423	0.0177	0.1378	0.0022
0.8420	0.0177	0.1381	0.0022
0.8418	0.0177	0.1383	0.0022
0.8415	0.0177	0.1386	0.0022
0.8412	0.0177	0.1388	0.0022
0.8410	0.0177	0.1391	0.0022
0.8407	0.0177	0.1393	0.0022
0.8405	0.0177	0.1396	0.0022
0.8402	0.0177	0.1398	0.0022
0.8400	0.0177	0.1401	0.0022
0.8397	0.0177	0.1403	0.0022
0.8395	0.0177	0.1406	0.0022
0.8392	0.0177	0.1409	0.0022
0.8390	0.0177	0.1411	0.0022
0.8387	0.0177	0.1414	0.0022
0.8385	0.0177	0.1416	0.0022
0.8382	0.0177	0.1419	0.0022
0.8380	0.0177	0.1421	0.0022
0.8377	0.0177	0.1424	0.0023
0.8375	0.0176	0.1426	0.0023
0.8372	0.0176	0.1429	0.0023
0.8370	0.0176	0.1431	0.0023
0.8367	0.0176	0.1434	0.0023
0.8365	0.0176	0.1436	0.0023
0.8362	0.0176	0.1439	0.0023
0.8360	0.0176	0.1441	0.0023
0.8357	0.0176	0.1444	0.0023
0.8355	0.0176	0.1446	0.0023
0.8352	0.0176	0.1449	0.0023
0.8350	0.0176	0.1451	0.0023
0.8347	0.0176	0.1454	0.0023
0.8345	0.0176	0.1456	0.0023
0.8342	0.0176	0.1459	0.0023
0.8340	0.0176	0.1461	0.0023
0.8337	0.0176	0.1464	0.0023
0.8335	0.0176	0.1466	0.0023
0.8332	0.0176	0.1469	0.0023
0.8330	0.0176	0.1471	0.0023
0.8327	0.0175	0.1474	0.0023
0.8325	0.0175	0.1476	0.0023
0.8322	0.0175	0.1479	0.0023
0.8320	0.0175	0.1481	0.0023
0.8317	0.0175	0.1484	0.0023
0.8315	0.0175	0.1486	0.0024
0.8312	0.0175	0.1489	0.0024
0.8310	0.0175	0.1491	0.0024
0.8307	0.0175	0.1494	0.0024
0.8305	0.0175	0.1496	0.0024
0.8302	0.0175	0.1499	0.0024

0.8300	*0.0175*	*0.1501*	*0.0024*
0.8297	*0.0175*	*0.1504*	*0.0024*
0.8295	*0.0175*	*0.1506*	*0.0024*
0.8292	*0.0175*	*0.1509*	*0.0024*
0.8290	*0.0175*	*0.1511*	*0.0024*
0.8287	*0.0175*	*0.1514*	*0.0024*
0.8285	*0.0175*	*0.1516*	*0.0024*
0.8282	*0.0175*	*0.1519*	*0.0024*
0.8280	*0.0174*	*0.1521*	*0.0024*
0.8277	*0.0174*	*0.1524*	*0.0024*
0.8275	*0.0174*	*0.1526*	*0.0024*
0.8273	*0.0174*	*0.1529*	*0.0024*
0.8270	*0.0174*	*0.1531*	*0.0024*
0.8268	*0.0174*	*0.1534*	*0.0024*
0.8265	*0.0174*	*0.1536*	*0.0024*
0.8263	*0.0174*	*0.1539*	*0.0024*
0.8260	*0.0174*	*0.1541*	*0.0024*
0.8258	*0.0174*	*0.1544*	*0.0024*
0.8255	*0.0174*	*0.1546*	*0.0024*
0.8253	*0.0174*	*0.1549*	*0.0025*
0.8250	*0.0174*	*0.1551*	*0.0025*
0.8248	*0.0174*	*0.1554*	*0.0025*
0.8245	*0.0174*	*0.1556*	*0.0025*
0.8243	*0.0174*	*0.1559*	*0.0025*
0.8240	*0.0174*	*0.1561*	*0.0025*
0.8238	*0.0174*	*0.1564*	*0.0025*
0.8235	*0.0174*	*0.1566*	*0.0025*
0.8233	*0.0173*	*0.1569*	*0.0025*
0.8231	*0.0173*	*0.1571*	*0.0025*
0.8228	*0.0173*	*0.1574*	*0.0025*
0.8226	*0.0173*	*0.1576*	*0.0025*
0.8223	*0.0173*	*0.1579*	*0.0025*
0.8221	*0.0173*	*0.1581*	*0.0025*
0.8218	*0.0173*	*0.1584*	*0.0025*
0.8216	*0.0173*	*0.1586*	*0.0025*
0.8213	*0.0173*	*0.1589*	*0.0025*
0.8211	*0.0173*	*0.1591*	*0.0025*
0.8208	*0.0173*	*0.1593*	*0.0025*
0.8206	*0.0173*	*0.1596*	*0.0025*
0.8203	*0.0173*	*0.1598*	*0.0025*
0.8201	*0.0173*	*0.1601*	*0.0025*
0.8199	*0.0173*	*0.1603*	*0.0025*
0.8196	*0.0173*	*0.1606*	*0.0025*
0.8194	*0.0173*	*0.1608*	*0.0025*
0.8191	*0.0173*	*0.1611*	*0.0025*
0.8189	*0.0173*	*0.1613*	*0.0026*
0.8186	*0.0173*	*0.1616*	*0.0026*
0.8184	*0.0172*	*0.1618*	*0.0026*
0.8181	*0.0172*	*0.1621*	*0.0026*
0.8179	*0.0172*	*0.1623*	*0.0026*
0.8176	*0.0172*	*0.1626*	*0.0026*
0.8174	*0.0172*	*0.1628*	*0.0026*
0.8172	*0.0172*	*0.1630*	*0.0026*
0.8169	*0.0172*	*0.1633*	*0.0026*

0.8167	*0.0172*	*0.1635*	*0.0026*
0.8164	*0.0172*	*0.1638*	*0.0026*
0.8162	*0.0172*	*0.1640*	*0.0026*
0.8159	*0.0172*	*0.1643*	*0.0026*
0.8157	*0.0172*	*0.1645*	*0.0026*
0.8154	*0.0172*	*0.1648*	*0.0026*
0.8152	*0.0172*	*0.1650*	*0.0026*
0.8150	*0.0172*	*0.1653*	*0.0026*
0.8147	*0.0172*	*0.1655*	*0.0026*
0.8145	*0.0172*	*0.1657*	*0.0026*
0.8142	*0.0172*	*0.1660*	*0.0026*
0.8140	*0.0172*	*0.1662*	*0.0026*
0.8137	*0.0171*	*0.1665*	*0.0026*
0.8135	*0.0171*	*0.1667*	*0.0026*
0.8132	*0.0171*	*0.1670*	*0.0026*
0.8130	*0.0171*	*0.1672*	*0.0026*
0.8128	*0.0171*	*0.1675*	*0.0027*
0.8125	*0.0171*	*0.1677*	*0.0027*
0.8123	*0.0171*	*0.1680*	*0.0027*
0.8120	*0.0171*	*0.1682*	*0.0027*
0.8118	*0.0171*	*0.1684*	*0.0027*
0.8115	*0.0171*	*0.1687*	*0.0027*
0.8113	*0.0171*	*0.1689*	*0.0027*
0.8111	*0.0171*	*0.1692*	*0.0027*
0.8108	*0.0171*	*0.1694*	*0.0027*
0.8106	*0.0171*	*0.1697*	*0.0027*
0.8103	*0.0171*	*0.1699*	*0.0027*
0.8101	*0.0171*	*0.1701*	*0.0027*
0.8098	*0.0171*	*0.1704*	*0.0027*
0.8096	*0.0171*	*0.1706*	*0.0027*
0.8094	*0.0171*	*0.1709*	*0.0027*
0.8091	*0.0171*	*0.1711*	*0.0027*
0.8089	*0.0170*	*0.1714*	*0.0027*
0.8086	*0.0170*	*0.1716*	*0.0027*
0.8084	*0.0170*	*0.1719*	*0.0027*
0.8081	*0.0170*	*0.1721*	*0.0027*
0.8079	*0.0170*	*0.1723*	*0.0027*
0.8077	*0.0170*	*0.1726*	*0.0027*
0.8074	*0.0170*	*0.1728*	*0.0027*
0.8072	*0.0170*	*0.1731*	*0.0027*
0.8069	*0.0170*	*0.1733*	*0.0027*
0.8067	*0.0170*	*0.1736*	*0.0027*
0.8065	*0.0170*	*0.1738*	*0.0028*
0.8062	*0.0170*	*0.1740*	*0.0028*
0.8060	*0.0170*	*0.1743*	*0.0028*
0.8057	*0.0170*	*0.1745*	*0.0028*
0.8055	*0.0170*	*0.1748*	*0.0028*
0.8052	*0.0170*	*0.1750*	*0.0028*
0.8050	*0.0170*	*0.1753*	*0.0028*
0.8048	*0.0170*	*0.1755*	*0.0028*
0.8045	*0.0170*	*0.1757*	*0.0028*
0.8043	*0.0169*	*0.1760*	*0.0028*
0.8040	*0.0169*	*0.1762*	*0.0028*
0.8038	*0.0169*	*0.1765*	*0.0028*

0.8036	*0.0169*	*0.1767*	*0.0028*
0.8033	*0.0169*	*0.1770*	*0.0028*
0.8031	*0.0169*	*0.1772*	*0.0028*
0.8028	*0.0169*	*0.1774*	*0.0028*
0.8026	*0.0169*	*0.1777*	*0.0028*
0.8024	*0.0169*	*0.1779*	*0.0028*
0.8021	*0.0169*	*0.1782*	*0.0028*
0.8019	*0.0169*	*0.1784*	*0.0028*
0.8016	*0.0169*	*0.1786*	*0.0028*
0.8014	*0.0169*	*0.1789*	*0.0028*
0.8012	*0.0169*	*0.1791*	*0.0028*
0.8009	*0.0169*	*0.1794*	*0.0028*
0.8007	*0.0169*	*0.1796*	*0.0028*
0.8004	*0.0169*	*0.1798*	*0.0028*
0.8002	*0.0169*	*0.1801*	*0.0029*
0.8000	*0.0169*	*0.1803*	*0.0029*
0.7997	*0.0169*	*0.1806*	*0.0029*
0.7995	*0.0168*	*0.1808*	*0.0029*
0.7992	*0.0168*	*0.1811*	*0.0029*
0.7990	*0.0168*	*0.1813*	*0.0029*
0.7988	*0.0168*	*0.1815*	*0.0029*
0.7985	*0.0168*	*0.1818*	*0.0029*
0.7983	*0.0168*	*0.1820*	*0.0029*
0.7980	*0.0168*	*0.1823*	*0.0029*
0.7978	*0.0168*	*0.1825*	*0.0029*
0.7976	*0.0168*	*0.1827*	*0.0029*
0.7973	*0.0168*	*0.1830*	*0.0029*
0.7971	*0.0168*	*0.1832*	*0.0029*
0.7968	*0.0168*	*0.1835*	*0.0029*
0.7966	*0.0168*	*0.1837*	*0.0029*
0.7964	*0.0168*	*0.1839*	*0.0029*
0.7961	*0.0168*	*0.1842*	*0.0029*
0.7959	*0.0168*	*0.1844*	*0.0029*
0.7957	*0.0168*	*0.1847*	*0.0029*
0.7954	*0.0168*	*0.1849*	*0.0029*
0.7952	*0.0168*	*0.1851*	*0.0029*
0.7949	*0.0168*	*0.1854*	*0.0029*
0.7947	*0.0167*	*0.1856*	*0.0029*
0.7945	*0.0167*	*0.1859*	*0.0029*
0.7942	*0.0167*	*0.1861*	*0.0029*
0.7940	*0.0167*	*0.1863*	*0.0029*
0.7937	*0.0167*	*0.1866*	*0.0030*
0.7935	*0.0167*	*0.1868*	*0.0030*
0.7933	*0.0167*	*0.1870*	*0.0030*
0.7930	*0.0167*	*0.1873*	*0.0030*
0.7928	*0.0167*	*0.1875*	*0.0030*
0.7926	*0.0167*	*0.1878*	*0.0030*
0.7923	*0.0167*	*0.1880*	*0.0030*
0.7921	*0.0167*	*0.1882*	*0.0030*
0.7918	*0.0167*	*0.1885*	*0.0030*
0.7916	*0.0167*	*0.1887*	*0.0030*
0.7914	*0.0167*	*0.1890*	*0.0030*
0.7911	*0.0167*	*0.1892*	*0.0030*
0.7909	*0.0167*	*0.1894*	*0.0030*

```
0.7907    0.0167    0.1897    0.0030
0.7904    0.0167    0.1899    0.0030
0.7902    0.0167    0.1901    0.0030
0.7900    0.0166    0.1904    0.0030
0.7897    0.0166    0.1906    0.0030
0.7895    0.0166    0.1909    0.0030
0.7892    0.0166    0.1911    0.0030
0.7890    0.0166    0.1913    0.0030
0.7888    0.0166    0.1916    0.0030
0.7885    0.0166    0.1918    0.0030
0.7883    0.0166    0.1920    0.0030
0.7881    0.0166    0.1923    0.0030
0.7878    0.0166    0.1925    0.0030
0.7876    0.0166    0.1928    0.0031
```



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