

Alternating Manifold Proximal Gradient Method

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2021-09-02

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Introduction

`sparsepca` and `amanpg` find sparse loadings in principal component analysis (PCA) via an alternating manifold proximal gradient method (A-ManPG). Seeking a sparse basis allows the leading principal components to be easier to interpret when modeling with high-dimensional data. PCA is modeled as a regularized regression problem under the elastic net constraints (linearized L1 and L2 norms) in order to induce sparsity. Due to the nonsmoothness and nonconvexity numerical difficulties, A-ManPG is implemented to guarantee convergence.

The package provides a function for performing sparse PCA and a function for normalizing data.

The authors of A-ManPG are Shixiang Chen, Shiqian Ma, Lingzhou Xue, and Hui Zou. The Python and R packages are maintained by Justin Huang and Benjamin Jochem. A MATLAB implementation is maintained by Shixiang Chen.

Algorithm Description The A-ManPG algorithm can be applied to solve the general manifold optimization problem

$$\min F(A, B) := H(A, B) + f(A) + g(B) \text{ subject to (s.t.) } A \in \mathcal{M}_1, B \in \mathcal{M}_2 \quad (1)$$

where $H(A, B)$ is a smooth function of A, B with a Lipschitz continuous gradient, $f(\cdot)$ and $g(\cdot)$ are lower semicontinuous (possibly nonsmooth) convex functions, and $\mathcal{M}_1, \mathcal{M}_2$ are two embedded submanifolds in the Euclidean space.

For sparse PCA, the following function definitions are used:

- $H(A, B) = \text{Tr}(B^T X^T X B) - 2\text{Tr}(A^T X^T X B)$
- $f(A) \equiv 0$

- $g(B) = \lambda_2 \sum_{j=1}^k \|B_j\|_2^2 + \sum_{j=1}^k \lambda_{1,j} \|B_j\|_1$
- $\mathcal{M}_1 = \text{St}(p, k)$
- $\mathcal{M}_2 = \mathbb{R}^{p \times k}$

where X is the $n \times p$ data matrix or $n \times n$ covariance matrix, A is the scores and B is the loadings, k is the rank of the matrices (in other words, how many principal components are desired), λ_1 is the L1 norm penalty and λ_2 is the L2 norm penalty. Both the L1 and L2 norm are used as elastic net regularization to impose sparseness within the loadings. Note that a different L1 norm penalty is used for every principal component, and the algorithm operates differently when the L2 norm penalty is set to a large constant (**np.inf** or **Inf**).

The A-ManPG algorithm uses the following subproblems with an alternating updating scheme to solve sparse PCA, computed in a Gauss-Seidel manner for faster convergence.

$$D_k^A := \arg \min_{D^A} \langle \nabla_A H(A_k, B_k), D^A \rangle + f(A^k + D^A) + \frac{1}{2t_1} \|D^A\|_F^2 \quad \text{s.t.} \quad D^A \in T_{A_k} \mathcal{M}_1 \quad (2)$$

$$D_k^B := \arg \min_{D^B} \langle \nabla_B H(A_{k+1}, B_k), D^B \rangle + f(B^k + D^B) + \frac{1}{2t_2} \|D^B\|_F^2 \quad \text{s.t.} \quad D^B \in T_{B_k} \mathcal{M}_2 \quad (3)$$

where A_{k+1} is obtained via a retraction operation (in this case, polar decomposition), $t_1 \leq L_A$, and $t_2 \leq L_B$. L_A and L_B are the least upper bounds of the Lipschitz constants for $\nabla_A H(A, B)$ and $\nabla_B H(A, B)$, respectively. The subproblems are solved using an adaptive semismooth Newton method.

Convergence Let ϵ represent a tolerance level to detect convergence. An ϵ -stationary point is defined as a point (A, B) with corresponding D^A and D^B that satisfy the following:

$$\|D^A/t_1\|_F^2 + \|D^B/t_2\|_F^2 \leq \epsilon^2 \quad (4)$$

The algorithm reaches an ϵ -stationary point in at most

$$\frac{2(F(A_0, B_0) - F^*)}{((\gamma \bar{\alpha}_1 t_1 + \gamma \bar{\alpha}_2 t_2) \epsilon^2)}$$

iterations, where:

- (A_0, B_0) are the initial values
- F^* is the lower bound of F , from the general manifold optimization problem
- $\bar{\alpha}_1$ and $\bar{\alpha}_2$ are positive constants

Pseudocode The following describes the algorithm used for solving the general manifold optimization problem using A-ManPG. For solving sparse PCA, the algorithm is implemented with the aforementioned definitions.

Input initial point (A0,B0) and necessary parameters for the required problem

for i=0,1,... do

 Solve the first subproblem for Da

 Set alpha = 1

 while F(Reetr(alpha * Da),B) > F(A,B) - alpha * norm(Da)^2 / (2 * t1) do

 alpha = gamma * alpha

 end while

Set A = Retr(alpha * Da)

```

Solve the second subproblem for Db
Set alpha = 1

while F(A,Retr(alpha * Db)) > F(A,B) - alpha * norm(Db)^2 / (2 * t2) do
  alpha = gamma * alpha
end while

Set B = Retr(alpha * Db)
end for

Return A as the scores and B as the sparse loadings

```

Installation

To install the R package, install `amanpg` directly from CRAN.

```
install.packages("amanpg")
```

To install the Python package, use `pip` to obtain `sparsepca` from PyPI.

```
pip3 install sparsepca
```

Documentation

R Usage

```

spca.amanpg(z, lambda1, lambda2,
            f_palm = 1e5, x0 = NULL, y0 = NULL, k = 0, type = 0,
            gamma = 0.5, maxiter = 1e4, tol = 1e-5,
            normalize = TRUE, verbose = FALSE)

```

Python Usage

```

spca(z, lambda1, lambda2,
     x0=None, y0=None, k=0, gamma=0.5, type=0,
     maxiter=1e4, tol=1e-5, f_palm=1e5,
     normalize=True, verbose=False):

```

Arguments

Name	Python Type	R Type	Description
<code>z</code>	<code>numpy.ndarray</code>	matrix	Either the data matrix or sample covariance matrix
<code>lambda1</code>	float list	numeric vector	List of parameters of length <code>n</code> for L1-norm penalty
<code>lambda2</code>	float or <code>numpy.inf</code>	numeric or Inf	L2-norm penalty term
<code>x0</code>	<code>numpy.ndarray</code>	matrix	Initial x-values for the gradient method, default value is the first <code>n</code> right singular vectors
<code>y0</code>	<code>numpy.ndarray</code>	matrix	Initial y-values for the gradient method, default value is the first <code>n</code> right singular vectors

Name	Python Type	R Type	Description
<code>k</code>	int	int	Number of principal components desired, default is 0 (returns min(n-1, p) principal components)
<code>gamma</code>	float	numeric	Parameter to control how quickly the step size changes in each iteration, default is 0.5
<code>type</code>	int	int	If 0, b is expected to be a data matrix, and otherwise b is expected to be a covariance matrix; default is 0
<code>maxiter</code>	int	int	Maximum number of iterations allowed in the gradient method, default is 1e4
<code>tol</code>	float	numeric	Tolerance value required to indicate convergence (calculated as difference between iteration f-values), default is 1e-5
<code>f_palm</code>	float	numeric	Upper bound for the F-value to reach convergence, default is 1e5
<code>normalize</code>	bool	logical	Center and normalize rows to Euclidean length 1 if True, default is True
<code>verbose</code>	bool	logical	Function prints progress between iterations if True, default is False

Values Python returns a dictionary with the following key-value pairs, while R returns a list with the following elements:

Key	Python Value Type	R Value Type	Value
<code>loadings</code>	numpy.ndarray	matrix	Loadings of the sparse principal components
<code>f_manpg</code>	float	numeric	Final F-value
<code>x</code>	numpy.ndarray	matrix	Corresponding ndarray in subproblem to the loadings
<code>iter</code>	int	numeric	Total number of iterations executed
<code>sparsity</code>	float	numeric	Number of sparse loadings (<code>loadings == 0</code>) divided by number of all loadings

Key	Python Value Type	R Value Type	Value
time	float	numeric	Execution time in seconds

Quick Start

Consider the two examples below for running sparse PCA on randomly-generated data: one using a finite λ_2 , and the other using a large constant λ_2 .

R Example As with other libraries, begin by loading `amanpg` in R.

```
library(amanpg)
```

Before proceeding, it is helpful to determine a few parameters. Let the rank of the sparse loadings matrix be $k = 4$ (returning four principal components), the input data matrix be $n \times p$ where $n = 1000$ and $p = 500$, λ_1 be a 4×1 “matrix” where $\lambda_{i,1} = 0.1$, and $\lambda_2 = 1$.

```
# parameter initialization
k <- 4
n <- 1000
p <- 500
lambda1 <- matrix(data=0.1, nrow=4, ncol=1)
lambda2 <- 1
```

For this example, the data matrix \mathbf{z} is randomly generated from the normal distribution. Although it should be centered to mean 0 and normalized to Euclidean length 1, the function will automatically preprocess the input matrix when `normalize=TRUE`.

```
# data matrix generation
set.seed(10)
z <- matrix(rnorm(n * p), n, p)
as.data.frame(z)
```

```
##           V1           V2           V3           V4           V5           V6
## 1    0.01874617  1.050013679 -0.307864979  0.46051506 -1.345660727  1.011546911
## 2   -0.18425254  0.286092578  0.758085579  0.23502531  1.390108599 -0.275344854
## 3   -1.37133055  0.240564831 -0.573863412  0.64325732  0.440719759  0.135936315
## 4   -0.59916772  0.832705206 -0.938744463  0.91319812 -1.507298461  0.972665703
## 5    0.29454513 -0.222983214 -0.027699324  0.98828600 -0.258452656  0.185117015
## 6    0.38979430  0.288344190 -1.066248652  0.11274134 -1.658879890 -0.395509091
## 7   -1.20807618 -0.340392067 -1.350370308 -1.49004993 -0.083441764 -0.135405377
## 8   -0.36367602  1.061334619  0.075455678 -0.44323561  0.762655853 -0.993059377
## 9   -1.62667268 -1.209048878 -0.902273047  1.36234413 -0.477104753 -0.666650065
## 10  -0.25647839  1.052406902  3.666770995  1.04523574  0.633794362  0.260812858
## 11   1.10177950 -0.122739194  1.121184679  0.23393147  0.384832312 -0.702202143
## 12   0.75578151  0.748587727  0.627143001 -2.55241798 -0.493059485  0.206631035
## 13  -0.23823356  1.520071664  0.730745979 -1.76871873  0.657727967  0.955698503
## 14   0.98744470 -0.143363637  1.892937612 -0.65957061  1.071738000  1.457770973
## 15   0.74139013 -0.481586666  0.616163606  0.37073319 -1.112738674 -1.108502558
## 16   0.08934727 -0.963468721 -1.539062048 -0.59280333 -1.381143394  0.281308293
## 17  -0.95494386  1.124810211 -0.847668897  0.99972556  0.079474471 -1.383598788
## 18  -0.19515038 -0.215404094 -1.134169462 -0.20618052 -2.574839776 -0.724228313
## 19   0.92552126 -1.170151075 -0.796705767 -3.14329735 -0.112914059 -1.770179220
## 20   0.48297852 -0.435549851  0.651407712 -0.81842941  0.370379808  0.545640521
## 21  -0.59631064 -0.847803511  0.204399109  1.71556984 -1.129333362  0.723033209
```

## 22	-2.18528684	0.662146843	-1.444408706	-0.43109504	0.388281897	-0.371403289
## 23	-0.67486594	0.527533315	-0.969655369	0.22273668	-0.849279268	0.224220518
## 24	-2.11906119	-0.162878391	0.923388068	1.69356762	-0.398232915	-1.255623640
## 25	-1.26519802	-0.380155196	-0.864701010	-1.67221042	-0.207696372	0.389982322
## 26	-0.37366156	-0.568775966	-0.773723582	-0.10802752	-0.331900092	-0.719127688
## 27	-0.68755543	-0.726167540	-0.588670120	-0.55734532	0.505705638	0.661799855
## 28	-0.87215883	1.296793220	0.174645229	-1.69527007	-0.130359212	1.180315609
## 29	-0.10176101	-0.831569994	0.301932503	1.45838456	1.210411941	0.271561594
## 30	-0.25378053	-1.499704302	-0.409409491	-0.39224459	-1.689930306	-0.460344295
## 31	-1.85374045	1.747814602	1.527204217	0.18441022	-0.731123984	0.115793970
## 32	-0.07794607	0.651565735	1.913172395	-0.70339755	-0.576550723	-0.869313439
## 33	0.96856634	1.049369245	0.691232227	1.31900061	-1.708170200	1.641190459
## 34	0.18492596	-1.104445181	0.440671570	0.55878529	0.672256376	-1.123985153
## 35	-1.37994358	-1.625387745	1.203861549	-0.60169329	0.290792055	-0.368688810
## 36	-1.43551436	-1.147688330	-1.520526423	-0.57246555	-1.205322544	0.344276818
## 37	0.36208723	-0.068091039	0.341316218	0.51708320	-0.619808061	0.377256201
## 38	-1.75908675	1.495531019	-0.348182699	0.99176448	1.073202048	-0.317590275
## 39	-0.32454401	0.403742164	-0.208431437	0.02051836	-0.269970002	0.165772023
## 40	-0.65156299	0.731423312	0.318376761	0.57929457	-1.820778133	-0.880104137
## 41	1.08655140	1.528467886	-0.136585841	-0.87443941	-0.710727752	-0.867095371
## 42	-0.76254488	0.742446735	0.870715059	-1.37170282	0.698074987	1.771030468
## 43	-0.82866254	0.143889830	0.795943280	0.31530240	-0.539106779	1.455929875
## 44	0.83447390	-0.966969156	-0.390002537	2.37384331	1.402846239	0.487774825
## 45	-0.96765199	1.090158150	-0.616892357	-0.03675714	-0.027414172	-0.844194463
## 46	-0.02881534	-0.078233930	0.852312452	0.25253560	-0.366310641	-0.252846172
## 47	0.23252515	-0.618702827	0.766753459	1.26578234	-1.354014773	0.289436390
## 48	-0.30120868	-0.224388492	-0.146827477	0.38186503	0.174329592	0.977012323
## 49	-0.67761458	0.637652417	-1.805315280	-1.81796989	0.467605075	-1.034767047
## 50	0.65522764	-0.324382173	0.008296276	-0.60636635	0.485451827	-0.315310319
## 51	-0.40063755	1.172041638	0.529399184	0.42015650	0.793755617	0.329180875
## 52	-0.33455657	0.007817514	-1.024109369	1.05088909	-1.177812745	-2.145821155
## 53	1.36795395	-1.795849546	1.462655081	1.11567113	-0.663985504	1.231457717
## 54	2.13776710	-0.720545206	-0.597391175	-0.64448015	1.306833703	1.925926513
## 55	0.50581926	-0.999696549	-0.729767633	2.59335734	-0.198910494	1.117174874
## 56	0.78634238	-0.458177826	0.028242500	0.03934306	-0.235068648	0.123735846
## 57	-0.90221194	-0.628395321	1.355833948	-1.18648527	-0.311193384	-0.888567121
## 58	0.53289699	0.277907911	0.510815952	0.56920995	1.648618289	-1.155414189
## 59	-0.64589425	1.635590885	0.563030652	-1.62455797	0.928933267	-0.547629936
## 60	0.29098749	-1.564949515	-0.137100052	0.65335438	-0.262908825	1.296522430
## 61	-1.23759447	-0.481925688	-2.156099715	-0.14855873	1.565914766	0.480991192
## 62	-0.45617628	2.009443116	-0.923587314	1.25343445	-1.148587107	-0.095381321
## 63	-0.83032265	0.200376494	-1.555316561	0.07542066	-1.063663865	0.369915207
## 64	0.34011564	-0.221256164	0.405041424	0.07830178	-1.059650306	-2.283715830
## 65	1.06637640	-1.054728832	-0.710408134	-0.50052641	1.168317422	0.352265860
## 66	1.21612584	-0.217537916	0.170407379	-0.35888552	0.429412341	0.679563628
## 67	0.73569066	1.530732717	0.524280691	-1.01297458	-2.165109278	-0.312826697
## 68	-0.48120862	0.236748072	-0.329705245	-1.41757734	-0.150793196	0.762015100
## 69	0.56274476	1.174141832	0.783977203	-0.92221008	-0.268790419	-0.368408242
## 70	-1.24631971	-0.491428949	-0.273421777	-0.11393786	1.129073702	-0.311720954
## 71	0.38092221	-1.038062212	-0.865560055	-0.97894204	-0.332443164	0.458547483
## 72	-1.43042725	1.019271047	0.446065090	-1.49658957	-0.956540875	0.696564897
## 73	-1.04844550	-1.606418639	0.609466146	-0.43062795	-0.031562008	0.501611588
## 74	-0.21850355	-0.300339042	-0.681566988	2.63448683	-1.723179326	-0.991899123
## 75	-1.48993624	0.270166454	0.297951326	-0.11449327	-0.142453026	1.319563189

## 76	1.17270628	1.354737452	0.239635795	-0.35086091	0.563719291	0.369784993
## 77	-1.47982702	-1.550826048	-0.331039782	0.14074731	-0.078625551	-0.233006091
## 78	-0.43038782	1.126166172	-0.010515639	1.74148579	-0.204195429	-0.387653960
## 79	-1.05163864	0.113181630	0.348309688	0.79531035	1.399586569	0.050834515
## 80	1.52258634	-0.887031544	0.391540622	0.47783125	0.583987659	1.599259761
## 81	0.59282805	-0.630858785	0.719430196	0.04877140	-0.242858896	-0.143600426
## 82	-0.22266151	0.381107452	1.434465607	-1.39452136	1.232114005	0.307284024
## 83	0.71289428	2.113412202	-1.255469651	2.03140616	-0.357696807	0.153324582
## 84	0.71660083	0.448056526	2.064351855	-0.34434269	-0.200338839	0.215349750
## 85	0.44024186	-2.946716545	-0.168402225	-0.18239303	0.826591628	0.362852836
## 86	0.15883062	-0.077246104	-0.123111476	-0.69714809	0.275527207	-0.317013944
## 87	0.65976414	-2.256080117	-0.652771408	-0.44728638	-1.831994947	0.410857248
## 88	2.22051966	-2.036525252	0.259659449	-0.10887450	0.362474169	0.086424959
## 89	-1.18394507	-1.583871515	-1.420759531	-2.59707769	0.893270005	0.181148382
## 90	-0.07395583	-0.542481558	-1.053582484	2.74448686	-0.417134541	1.268514336
## 91	-0.41635467	0.443116104	1.654730362	0.74606511	-0.313155453	1.140616023
## 92	-0.19148234	-0.359805403	0.145208402	0.30665119	0.048332930	-0.362681282
## 93	0.06954478	-0.261308291	-1.117478451	-0.93539529	1.293455584	-1.271142672
## 94	1.15534832	0.287761902	-2.043100275	-1.33453867	0.203011265	0.211139437
## 95	0.59495735	-1.227832348	-1.168578861	-0.78542292	-0.552071869	0.714120308
## 96	-1.41964511	-2.646997023	-0.871223029	3.69697818	0.425143564	-0.366591463
## 97	-1.60667725	-1.512092323	1.202973955	-0.63353091	-0.517044248	-1.739543895
## 98	0.89292590	0.638716642	-0.911478160	-1.00631621	0.808251175	0.055973481
## 99	0.14816796	0.816741898	-0.976213927	-0.14533125	1.568922661	0.770408396
## 100	1.22702839	-0.655866608	0.600987415	-0.19472363	0.574570556	2.270144151
## 101	-0.76180434	-1.664736936	-1.648325020	-0.49948933	1.907359491	0.922252907
## 102	0.41937541	-0.250834194	-2.470550304	0.48155400	-1.701573380	0.523751495
## 103	-1.03994336	0.293057111	1.271051228	-0.68236471	0.594832299	2.108255889
## 104	0.71157397	-0.998488279	0.140282780	0.82229856	-0.202817163	-0.649828990
## 105	-0.63321301	1.319084558	-0.220394901	-0.17055710	-0.153098901	1.772321909
## 106	0.56317466	0.107675624	0.087828958	-0.04325807	-0.621845594	-0.084201548
## 107	0.66098669	1.729786878	0.722080484	0.19054437	0.368497941	-0.548908878
## 108	-1.65805086	0.736066885	1.430644494	0.06857742	0.015712006	-0.356451174
## 109	1.02816798	2.495667828	-0.038067803	0.51299307	-0.883055967	1.509577901
## 110	1.12795361	0.512798421	1.449163640	-0.31937533	-0.233728664	0.080683047
## 111	-1.28015460	-1.857708788	0.275850324	0.93411382	1.082725831	0.708372930
## 112	1.12886823	0.727381567	0.798394452	-0.02731567	2.983472059	1.909930308
## 113	-0.46413453	0.347497078	0.307260214	1.09086155	-1.834945500	1.625798987
## 114	-0.31576021	0.842465464	1.028585475	-1.77459300	-0.486846674	-0.301576454
## 115	0.92429315	-0.032553393	-0.071189210	0.16912886	0.114814465	-0.424904936
## 116	0.07714472	-1.116526923	-1.201850700	0.00248021	-0.223059066	-0.554198866
## 117	1.03992361	-1.002261365	-0.025747748	-0.60463197	1.701896030	0.038414203
## 118	0.74188621	-1.079923367	3.086202743	-0.47020411	0.771019076	-0.519868984
## 119	1.25554486	-0.087077420	-1.913171763	2.93252877	0.318228727	-1.545240106
## 120	0.95091897	-1.325065612	1.575588423	-0.11528655	0.702443194	0.905365407
## 121	-0.48136561	-0.280958528	1.574485730	-0.97007379	-2.573195258	1.183603568
## 122	0.20288178	-1.057099076	-0.684818862	-0.98003528	0.824685363	-0.769533373
## 123	-0.03173974	1.899243346	-0.526630669	0.05357009	1.336823753	0.190903218
## 124	-1.19558030	1.521032068	-1.609100387	-1.43487671	-0.458050004	-0.209749099
## 125	0.62368124	0.276342338	1.224371405	0.41541117	-1.098049676	-1.069302972
## 126	-0.91480448	-1.202849011	0.416602524	0.91886257	-0.515160435	2.332551681
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## 128	-1.06262279	-0.530728708	-2.451694325	-0.04285374	-0.829412732	0.531321353
## 129	-0.36398225	0.738769361	-0.695484955	-1.21477083	0.015862591	-0.300601466

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## 130 -1.20699485 2.662405257 -1.216004112 -0.48036463 -2.121493404 1.894426480
## 131 1.42921278 -0.599133767 1.679829030 -1.09886162 0.087093631 0.147363049
## 132 0.63343589 -0.458871638 -0.261451479 0.61462260 0.245202538 -0.056837801
## 133 -1.99681562 -1.546141866 -1.255042895 0.62131300 0.132227229 -0.548060100
## 134 -0.68183217 0.967034828 -0.798833321 -1.92452500 -0.250572941 -0.551555434
## 135 -0.46005548 -2.397535438 0.667612771 -0.38305229 -0.007465647 -0.026978237
## 136 -0.98306919 1.362580395 0.807991418 0.37745047 0.096437173 -1.166234469
## 137 0.49533171 0.219585858 -1.209180712 -2.03081210 1.308013162 1.145218822
## 138 0.72581750 -0.652786636 -0.905133728 -0.38616191 -0.072547112 -0.041100664
## 139 0.66729873 0.284883771 -1.583252358 -1.56617275 -0.207792058 -0.941356429
## 140 0.95478644 0.195795761 -0.234513063 2.50565528 0.112046463 0.425136775
## 141 -1.67533218 -0.969469279 0.122018759 0.76880200 0.751582221 -0.405544054
## 142 -1.20518539 -1.154172351 0.820443414 -1.71037351 -0.213312314 -0.353745730
## 143 -1.96325249 -0.039156347 0.646551312 1.01812613 -0.348735369 -0.009639644
## 144 1.47075231 -0.340736485 -0.725708367 0.70301551 0.658431042 -1.249867579
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## 146 1.06587933 -0.138367851 -0.375201069 2.42481812 0.801072780 0.816834771
## 147 0.53064987 0.858307700 0.099098091 0.79905641 0.172441431 -0.501230988
## 148 0.10198345 1.120675160 0.010459287 -0.62709409 2.057461928 0.232753521
## 149 1.33778247 -0.877090292 1.216053423 -0.42775327 -0.236557601 -0.499290930
## 150 0.08723477 -0.721762783 0.463053881 2.25429125 1.452515441 -1.000205685
## 151 -0.39110421 0.502907735 1.419242818 0.71543360 -1.108120746 0.130592828
## 152 -0.24986748 -1.374164637 -1.969184353 -0.12724926 -0.502517602 -1.890788912
## 153 1.15510475 0.036800035 0.388187394 1.08685216 -0.971015386 1.102957063
## 154 -0.86472724 0.586200913 -0.414374794 -1.19521517 1.408640042 0.650658374
## 155 -0.86667834 0.683943511 0.007181955 0.54595267 -0.393916980 -0.600670129
## 156 -2.32101703 -0.568756129 -0.542639870 0.04967777 2.266331184 -0.311247763
## 157 0.60883017 0.270355642 -0.910021559 -0.33180770 -2.725670363 0.242173381
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## 160 -1.58000075 -0.186589923 -2.274294494 -1.23614923 0.133476014 0.324767785
## 161 0.65316619 0.642750763 0.210156691 -0.48614529 1.228314337 -0.334741501
## 162 -0.54940849 0.671474957 -0.841768234 -0.59719504 1.094155504 -0.469803626
## 163 0.52105453 -0.401039690 -1.021286612 0.14253298 -0.625160592 -1.823304396
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## 168 -1.46817333 -0.032983385 -0.203721278 -0.33119373 0.439269022 1.171777394
## 169 0.18376389 2.388519770 0.559149347 0.49723275 1.084001666 -0.590730293
## 170 -1.43514718 -0.990011932 -0.923332870 -0.37218695 -1.151051593 1.466392614
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## 173 0.14393429 -0.548874372 -0.682768960 0.43011240 0.179557793 -0.642611753
## 174 1.06202433 0.713894914 0.844194000 0.41855042 -0.011127456 0.408460106
## 175 -0.57079390 1.874488735 0.114029342 0.82396046 -1.071459523 -1.703133898
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## 177 0.22828932 -0.094713679 0.804825091 -0.80945983 0.570333306 0.326630570
## 178 -0.30881306 -1.347056080 0.301744820 -0.65664639 -1.821707869 -2.371056041
## 179 0.95982913 0.226424515 -0.382873762 1.75981325 -1.505737347 -1.253168863
## 180 0.54882237 0.024109298 -0.792722220 -0.79924279 0.282328873 -0.485951224
## 181 0.42551309 -1.804701217 0.607512396 0.59207508 -1.276440517 -0.470174820
## 182 0.64350004 0.740596491 -1.789572445 0.35737005 -2.318347924 -0.720819066
## 183 -1.36030614 -0.365777394 1.341916505 -0.99271157 0.197757401 -0.985262091

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## 184	-0.19850611	0.938043750	0.832344730	1.01873539	0.384729190	0.741325730
## 185	0.61930268	-0.264641308	-0.254482352	-0.04302772	-1.074065303	1.336229330
## 186	2.06820961	-0.166362498	1.086710008	1.66042035	0.269002067	-1.020902808
## 187	-0.30528475	-0.003882510	0.775516883	1.07984674	-0.071242933	-0.661231115
## 188	0.28124561	0.435170090	-0.598385452	-0.38151479	1.176735087	-2.526980106
## 189	0.69131734	-0.620020411	1.475191599	-0.14620955	-1.766670286	-0.008777521
## 190	0.04636144	-0.245762459	0.866268269	-1.81451397	0.596500031	-1.381936824
## 191	0.11302936	-0.111607545	-0.671507753	1.38970319	-0.747490588	-0.018117192
## 192	0.99533187	0.520877462	0.129030083	-0.95188842	-0.524691474	-0.298231683
## 193	-0.68115136	-0.258175659	0.006789863	1.56889574	2.141615560	0.693299426
## 194	-1.27705725	-0.071121570	0.505197020	-1.87211752	1.045560388	0.988282545
## 195	-1.46869775	1.149467397	0.569807425	-2.09255198	1.665566567	1.644968572
## 196	-0.31347407	-2.430072886	0.383737921	-0.98845647	0.145015860	-1.429635060
## 197	-1.70365949	-1.710448011	0.842080836	-1.02421980	-0.202849107	0.485591004
## 198	-1.35051466	0.258522399	-0.757443723	-0.51485035	0.293732035	1.527686973
## 199	-1.10209368	0.498021292	2.206818730	0.03973314	-0.306489619	-1.812239651
##	V7	V8	V9	V10	V11	
## 1	1.0914353914	-0.151638015	-0.64422631	-0.977186234	1.32508142	
## 2	-1.3122779365	-0.086839363	-0.66838194	-1.154560517	0.23809226	
## 3	1.4036478089	-0.657762734	-0.15213405	-0.055772229	0.04090255	
## 4	1.0516302406	0.379849822	-0.14876299	0.617780586	-0.30500339	
## 5	-0.6740012707	0.131897707	-1.32088287	1.385958925	-1.75618693	
## 6	2.2357281383	0.055467932	0.72801024	1.729307240	0.94769317	
## 7	-0.8872440233	-0.594980877	0.21264302	-0.557980220	0.47710898	
## 8	-1.2637168429	-0.153903412	-1.23507540	0.819403040	-1.75648952	
## 9	0.0003427904	-0.602717048	-0.32488332	-0.480205565	-1.26431779	
## 10	0.6777691336	-1.703341703	0.44945388	-0.793716656	0.45645308	
## 11	1.1301529099	1.232166461	0.23225237	0.292304243	-0.03422500	
## 12	0.6885024361	1.291738068	-1.28348634	-0.050421029	-0.27031602	
## 13	-2.0002368941	0.785044172	-0.08703394	0.174130549	-0.38310589	
## 14	0.2619050740	-1.521227987	1.01937439	-0.305774607	-1.26074164	
## 15	0.5227324626	-0.629532711	-0.81231816	0.989793795	-0.76354341	
## 16	0.3925978122	0.485341104	-0.10072324	0.360134641	-0.03992793	
## 17	-0.9718198210	-1.669986188	-0.96592198	0.694388349	-0.31523184	
## 18	0.8501294251	0.886679834	-0.83988053	1.261686635	-0.76792587	
## 19	0.1707701357	0.701398147	-0.91102637	0.133714034	-1.67968287	
## 20	-0.6056883583	0.083921518	0.30486008	0.930372283	-0.38834983	
## 21	1.0230678915	-0.864142477	1.04701458	1.577455780	-0.85435760	
## 22	1.3932506897	-0.279555061	-0.19606348	1.702342013	-0.73491670	
## 23	-1.0055437193	1.488357485	-0.64436818	1.103723883	-1.20331927	
## 24	-0.1004138765	-1.393613108	-0.33739031	1.442817801	0.20917488	
## 25	-2.2154152448	-0.027715360	1.48185629	0.676034558	0.03894177	
## 26	-0.9680778026	-0.607751028	-1.72604800	1.375224406	0.38978505	
## 27	0.3767773322	-0.176968636	0.33204469	1.232410992	0.38163544	
## 28	-0.2865292570	0.318828545	1.27060566	0.175193027	0.58722632	
## 29	1.4801689375	1.832267357	-0.08883597	1.281773549	1.00724789	
## 30	-0.6969876589	0.041838048	-0.96180841	0.016875574	0.59792460	
## 31	0.0383242692	-0.798694308	-1.52363118	1.568812954	0.22930874	
## 32	0.3388337953	1.480147790	2.09606766	0.010792393	0.75300225	
## 33	2.4582268809	-0.662328007	1.39885821	0.215643609	1.45547929	
## 34	-0.5305909621	-1.618391096	0.62745559	2.354191677	-0.51034844	
## 35	-0.1794434932	2.154092470	3.09300468	1.214545781	0.29690437	
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## 38  0.6443430865 -0.316236089  0.31358767  0.691472587 -0.72841389
## 39 -0.4872008712 -0.163422562  1.65344630 -1.261663481  2.43323467
## 40  0.1705205636  1.773174277  0.65669839 -2.121696939 -1.20987189
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## 42  0.7296170154 -0.625665995 -0.11781710 -1.426449032  0.01904384
## 43  0.1452351402 -1.259396146 -0.73505708 -1.404355144  1.79612202
## 44 -1.2978385283  0.354951481 -0.31801656  0.492063952 -1.06832145
## 45  0.5566619863 -1.515964022 -0.39104377  0.220984155  1.76678667
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## 48  1.1201311043  1.489341081  0.40824739  0.353043686  0.48801898
## 49  0.1135964226 -1.989420713 -1.16176239 -0.405176492 -0.52032649
## 50  0.1981036726  1.274729795  1.18136026 -1.649306631  1.41115587
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## 52  0.7564059369 -1.178404468  1.02135622 -0.851108210  2.23805344
## 53  0.2627759657 -0.367141460 -0.50860752  1.527528330 -0.85896601
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## 55 -0.1596941006  0.611061465 -0.51201436  0.467921910 -0.28519747
## 56 -0.0817781842 -0.515328659  0.52387540  0.741830148 -1.09509854
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## 62  0.2498807529  1.139623710 -1.17413293  0.923854740 -1.27405812
## 63 -1.2728646220  1.579034897  0.70791158 -0.230339662 -1.22253323
## 64  0.0192652769 -0.857198172 -0.50224594  2.176950112 -1.56796703
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## 68  0.8644420591  0.322927186 -2.14797043 -1.848026645  0.23938221
## 69  0.6300513631  0.473385669 -0.16250728  0.376512322 -0.96244058
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## 77  0.5448244270 -0.114405337 -0.51546652  0.595249727 -0.68205891
## 78  1.1226289338  0.217321409 -0.27895489  0.413500091 -0.40481401
## 79 -0.9387254174 -0.786966247  0.78956412 -0.408891256 -0.45992169
## 80 -0.6874039008 -0.266733844  1.30073151 -0.626462092  0.63112418
## 81 -0.1267689705 -0.578237270  0.50916188  1.459611001 -0.26502733
## 82 -0.2135887674 -0.664865151 -0.38105087 -2.212810291  2.52473729
## 83 -0.6244149768 -0.740061798  1.39505417 -0.649246307 -2.11091016
## 84  0.2420216059  0.397772700 -0.01258947 -1.172346192  1.55221595
## 85  0.6059076370  0.101778669  0.27441912 -0.511544357 -0.72996373
## 86 -1.4040118052 -0.125352781 -0.37771055  1.325412595 -0.34999317
## 87  0.9795161700 -1.152637238 -0.39843304 -0.089835274 -0.37788203
## 88 -0.9346827689  0.287817232  0.34732302  1.516216733  0.23676847
## 89  0.5391743282 -1.221129531  1.29875337 -0.294290781  0.24918771
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## 91  1.0829142667 -0.890545623 -0.87481459 -0.194122155  1.19241719

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## 94	1.1161253577	0.706904459	-1.25921667	-2.435617325	-0.33827381
## 95	0.6560526949	-1.390781436	-0.06838267	-0.849519463	0.02030657
## 96	0.9898708735	0.512126422	-0.78592954	-0.859443253	0.80865509
## 97	1.4202706735	1.247308374	0.16166080	-0.855222952	0.98088763
## 98	-1.7217097741	-0.765545280	2.40744432	1.013947118	-0.01908473
## 99	0.6389430877	0.453177735	0.50907984	-0.995841351	-0.48187491
## 100	-0.3727519276	0.023471008	-1.30183218	-1.542893510	0.44908955
## 101	-1.6787849814	0.877915905	0.27417857	1.921800183	1.55191474
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## 103	1.6916018014	-1.324073155	0.05032214	-0.374137471	0.94370688
## 104	0.2894870029	-0.043033131	-1.72822254	-1.319410008	1.42709398
## 105	-1.5160720061	0.937885267	-2.01159829	-0.306783017	0.09790760
## 106	-0.3351389545	0.100062089	0.11881801	0.792263911	-1.51937581
## 107	1.7049776231	0.494055740	-0.90444498	-0.701096678	0.06938371
## 108	-0.4059739474	0.260685850	-0.27001446	-0.246441416	-0.64798496
## 109	0.3512567765	1.474503900	-1.01707607	-1.180890521	-0.34602240
## 110	-1.1368088698	0.164024077	1.12582749	-1.617803496	0.07291468
## 111	1.6918563119	-0.116775847	-0.97909871	1.221013462	-0.02443202
## 112	1.7484445728	0.501436319	0.41583008	0.308380079	0.65693711
## 113	0.1246854966	0.948244749	1.39619164	0.057366133	1.61858444
## 114	0.5328608145	-0.188412748	0.16573302	0.589400417	1.56932947
## 115	1.6373050017	-2.270542436	0.64887116	1.049089526	0.63002111
## 116	1.0149840438	0.891602146	-0.05303063	1.639487478	2.63878379
## 117	0.6754876324	0.339669783	0.42662732	-0.229801916	0.22234311
## 118	0.2142904255	-0.352047400	-0.55253153	1.365067275	-0.57724583
## 119	-0.7892268788	-0.082710233	1.42371397	-0.438121425	0.27670229
## 120	-0.2616006125	-1.253927095	0.02963685	-0.612552911	-0.36494878
## 121	-1.6483128417	1.043289032	0.16645717	0.125558246	-0.95756965
## 122	0.4065668309	0.528032398	-0.32789991	-0.577822296	-0.50329937
## 123	-0.2219954143	-0.669481481	-0.75839799	0.140964909	-0.54909997
## 124	0.5096347160	0.040999176	-0.17280526	0.836768082	-1.16745061
## 125	0.4713675666	-0.105787944	1.65602139	-0.853018951	-0.47812237
## 126	1.7340197585	-0.737322280	-0.16857677	1.039033900	-0.03950479
## 127	-0.8414518229	1.534672817	1.77910151	1.588575764	-0.21731195
## 128	0.1913454117	-0.617484918	-1.74595240	-1.659916917	1.05516688
## 129	-1.3449524796	-1.031627596	-1.54894967	0.998285698	0.04104922
## 130	-1.3397558621	-0.836616372	-0.03920651	1.324825721	1.59460976
## 131	0.6060064776	0.504064893	0.48753993	0.461314215	2.35602568
## 132	0.1897552452	0.543588360	-0.98036763	-0.814348110	-1.06486750
## 133	-1.1009422632	-0.515200732	-0.97121805	-1.259871316	0.71551598
## 134	-0.7488270409	0.238274702	-0.13353166	-0.810591657	0.24257379
## 135	0.1685509455	1.287340367	1.17015294	-0.427920292	-1.12987138
## 136	1.2548873852	-1.514439528	-0.03982092	1.212501073	0.18743877
## 137	0.3645940003	0.120060566	-1.20017563	-1.191055680	0.87264611
## 138	-0.8534983024	-1.218893521	-0.05348229	0.167575136	1.32509170
## 139	1.2528989791	-0.775528305	0.11593376	-1.837557338	-0.56980685
## 140	-0.8493408282	0.232879260	-0.39411959	0.520450312	2.29537924
## 141	0.6934078218	0.638083655	0.64677942	3.082660733	-0.74830953
## 142	-1.2732125000	-0.138484170	1.17774742	0.396063004	0.11804417
## 143	-0.9499747602	1.000710097	-1.00677971	-0.485232412	-0.11520118
## 144	0.3165278149	0.220558572	-0.79518968	0.690398238	-2.38514438
## 145	-0.7831086245	-0.141761302	1.29448260	0.853328516	-0.53540969

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## 146 0.0701189702 1.548402147 -0.65376503 -0.960628038 0.32416864
## 147 -0.6272838613 1.045009088 0.11979140 -1.116202364 -3.15276055
## 148 1.3279182083 0.751398472 -0.14585201 -0.747216729 0.49408432
## 149 -0.8250400915 0.025229190 1.50524971 -0.130603477 -0.98932126
## 150 -0.3357276482 2.093624082 -0.63312993 1.086744347 0.19046249
## 151 3.0608966492 -0.479566349 0.17481689 -1.260191299 -1.16778082
## 152 -1.0404983381 -0.143645437 -0.28771176 -0.443051499 -0.55186117
## 153 1.9514405881 -0.549154346 -0.59240341 1.108628395 0.77533710
## 154 -0.0486384950 0.300368181 0.99118530 0.083105091 -1.53557668
## 155 1.8543347915 -0.003067845 -0.55800757 0.110504674 -0.65093768
## 156 0.8200327272 -0.374531464 1.55193455 -0.490128612 0.71829826
## 157 0.0401867261 -0.509646582 -1.11947981 -0.385099113 -0.28565270
## 158 -2.0288997887 -1.006635298 0.03181165 1.560459565 -0.47404468
## 159 0.7209873557 -0.193455577 -1.63954932 0.257874945 -0.73449139
## 160 0.2263264402 -0.566898248 -0.72789138 -0.704976502 -0.11909061
## 161 -0.1013256449 -0.169140620 1.18664276 -1.942822726 -0.29746350
## 162 -0.9588533657 1.330830575 0.29921841 -0.135392813 -0.10367477
## 163 0.7809557649 -0.627066926 1.57348825 2.005604939 0.57020749
## 164 1.2935418999 1.257003488 0.50054336 1.280666338 2.47962389
## 165 -1.4292595528 -0.272417406 -0.02801301 0.882960533 0.10430193
## 166 -1.4951401215 0.253252315 -0.19839970 -0.458373475 1.57931839
## 167 -0.4291774428 2.351981190 0.65042573 -1.177406441 -0.54498088
## 168 1.0059773552 0.547370368 -0.67366455 -0.798183416 -0.17055844
## 169 -0.2837458439 0.573482740 -1.80391458 -0.839448634 0.10586106
## 170 0.4159474536 0.967287126 -0.60664350 0.563487216 -1.10009998
## 171 0.0902826001 1.130856550 0.65759805 0.590841055 0.52374549
## 172 0.9920353213 0.405885507 0.08622705 -0.052748953 0.94517672
## 173 -1.1174604311 0.205770942 1.39378574 -1.224545944 0.83211627
## 174 -0.8213613065 -1.009355959 -0.51730641 0.878237383 2.32303089
## 175 -0.3860794109 -0.511722178 0.52431514 -0.880841474 -2.35046759
## 176 -0.0231542503 1.838555456 -0.33898478 0.267828871 -0.36192912
## 177 0.6179862567 1.728763686 0.73787928 0.599973419 1.88328253
## 178 -0.4918677922 0.004689174 1.66007610 0.749372607 -0.78872283
## 179 -0.0155384590 -0.857965682 -0.25962145 -0.002321872 -0.37973725
## 180 -1.7879026646 0.297943382 -0.82738752 -0.637731935 -1.99246121
## 181 -0.8105972229 0.016542289 -0.23153865 1.381554335 -0.96993411
## 182 0.2430621704 0.088246502 0.39348739 0.092535524 -0.32944516
## 183 1.3025664962 -0.425445334 0.39766365 0.499926072 0.68714656
## 184 0.3876497845 -1.694706098 -0.59469083 -0.955391850 1.76208897
## 185 0.4371326563 0.085841209 -0.91746240 -1.672385407 0.38410656
## 186 -0.7157352565 0.563755686 1.32859489 -0.008000554 0.07581563
## 187 -0.9815958927 0.915345900 -0.16803162 1.924441059 -0.69524805
## 188 0.8221269235 -1.216789469 0.06011833 -0.066977590 -1.53484284
## 189 1.7959569758 0.965980508 -0.38973258 0.174647681 0.15298118
## 190 0.2725538204 -2.612477363 0.41035049 -0.077058968 -0.12623569
## 191 -0.4809970802 0.342056526 -0.09933069 -0.212525583 -0.22369316
## 192 2.3323181772 2.059306956 -1.51817107 -1.914505659 -0.16033155
## 193 0.2906991830 -0.073285066 0.01254905 0.941602046 -0.38535543
## 194 -0.2356739341 0.414839218 -0.65988687 -0.691566210 0.68189470
## 195 -0.3087574262 -1.241661619 0.02835071 0.477571126 3.34650778
## 196 0.2567522245 -1.342076440 0.28625416 0.361356646 -0.58493019
## 197 -1.0753541560 -1.407525144 0.85144822 -0.102282939 1.66723115
## 198 0.0725098593 0.626025385 -1.13048285 0.341752782 0.28177129
## 199 -1.0150368828 -0.824733504 0.84004949 -0.583418987 0.18264869

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##	V12	V13	V14	V15	V16
## 1	1.403946e+00	-0.273086364	-1.03041450	0.888907737	-1.173049508
## 2	-4.866237e-01	-1.416075204	-0.02500104	1.129987554	-0.580432778
## 3	-9.781741e-01	-0.002537798	0.75426507	-0.869781922	0.258109845
## 4	-1.025509e+00	0.974805245	-0.98812926	0.880812054	-0.676023329
## 5	-9.328344e-01	-1.131640776	-1.37632496	0.244360644	-0.639135438
## 6	-1.315681e+00	-0.163019841	2.03244437	1.475107791	-2.022120475
## 7	-1.771443e+00	-0.474043537	0.55708018	0.374246287	0.830804363
## 8	1.227331e-01	-1.992926495	-0.03349296	-0.525765984	0.951184694
## 9	-7.582011e-01	0.273267495	0.99014321	0.110945745	-1.592210464
## 10	-7.351834e-01	-0.427783596	0.19765620	0.998553964	0.776273260
## 11	5.716882e-01	1.730447874	-0.40882788	-0.209058326	0.212711350
## 12	1.681947e-01	0.170579343	-0.58392627	-0.987427604	1.147684800
## 13	-4.335483e-01	-0.402210037	2.05648340	0.350078291	0.725233554
## 14	-3.438763e-01	-1.436876150	-0.12938187	-1.772830775	-2.144923250
## 15	-1.432289e-01	0.152342260	1.20885783	-0.599991385	0.539597718
## 16	-1.278647e+00	1.115703533	-0.33618004	-1.233838967	-0.408508220
## 17	-1.013279e+00	0.801247881	-1.57111542	-1.756829655	0.058709289
## 18	-1.067687e+00	0.838136427	1.92861136	-1.159755343	0.613154798
## 19	-5.977181e-01	-1.553072501	-1.20890534	0.298170857	0.533072278
## 20	1.225513e+00	0.232392683	-0.03423196	-0.486335875	1.026180555
## 21	-4.943886e-01	0.871750509	0.32562545	-1.138514695	1.676691781
## 22	1.131290e-01	1.827397006	-1.29590899	-0.382292608	-0.375584121
## 23	1.383428e+00	-0.573873896	0.50461707	1.752351223	2.082457055
## 24	-2.558659e+00	-0.064815649	0.18953957	-0.693370524	0.465915539
## 25	-7.300868e-01	-0.073482207	0.68962393	-0.079018756	-0.716250693
## 26	-2.862012e-01	1.236087850	-0.88937321	-2.027670918	0.415196970
## 27	-1.027792e-01	-0.159771369	1.29368143	1.465807622	-0.647752881
## 28	-9.454429e-01	-2.468302169	-1.18062849	0.729336472	0.257805080
## 29	-6.181322e-01	0.717372740	-0.17647880	0.824852497	-1.737345774
## 30	-9.390447e-01	0.978899333	-1.09987807	-1.438079482	0.407743944
## 31	9.467832e-01	-1.688036645	-0.37900899	-1.384260970	0.026408674
## 32	-5.083589e-02	2.688136279	0.71412045	-1.236646257	-0.432219130
## 33	5.560055e-01	-0.151861947	-0.31670338	0.158894604	-0.439184071
## 34	-1.088334e+00	-1.190591686	-1.73382127	2.351035398	0.055290015
## 35	-1.633930e-01	-0.434484154	0.10678601	0.316389727	-2.577371027
## 36	-1.725466e+00	2.084919363	1.02705020	-0.753315016	-0.962034388
## 37	3.714507e-01	0.929789750	0.03922170	0.837236236	1.280945580
## 38	4.095602e-01	-0.089076484	-1.38842707	1.284249710	-0.484962289
## 39	2.111477e+00	-1.538736697	-0.69520528	2.707669370	-0.046657545
## 40	4.549751e-01	2.980161484	0.50335557	-0.626572669	0.010477150
## 41	-2.413733e+00	-1.005401477	0.26776783	-1.766165471	-0.185435097
## 42	-8.988471e-01	-1.751840790	0.01713269	-0.358795463	0.663129978
## 43	6.445220e-01	-0.563663410	-0.59445827	1.285868083	0.344768972
## 44	-2.341872e-01	-1.196988111	0.42971256	-0.087416408	-1.284663746
## 45	-1.379275e+00	1.150612563	-1.19580040	1.244225168	-2.212938685
## 46	-8.395206e-01	0.028892022	0.32196781	-0.246541210	0.475958911
## 47	-3.533908e-01	-0.087907596	1.09288708	2.298915350	0.674699185
## 48	-1.369201e+00	-0.098633462	-1.61610788	-0.997982540	-0.993888389
## 49	-1.043296e+00	0.873792674	1.47560220	-0.207684703	-0.698729569
## 50	-9.275232e-01	0.296336927	-0.29243440	0.295353060	-0.246855305
## 51	-1.178513e+00	0.554998357	-1.98392116	-2.116845309	-0.698624761
## 52	-8.754136e-01	0.433978249	-0.19978662	-0.346062172	0.129381302
## 53	1.070057e+00	0.537756290	1.13254484	-1.273670605	0.758771447

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## 54  4.386222e-01  1.268862398  0.83333541  1.921806263 -1.331702307
## 55 -8.156188e-01  1.296752625  1.77929148  1.449527154 -0.065057883
## 56  7.084480e-01  0.274403350 -0.57955927  1.391129187  1.373654211
## 57 -8.255981e-01  1.054685891 -0.25810103  1.264084225  0.114734691
## 58 -6.552609e-02 -0.037807260  0.64472051 -0.759437074  1.449332446
## 59  4.547216e-01 -0.813159890 -0.35552106 -0.102113838 -0.341203873
## 60  1.038503e+00 -0.026398938  0.69654771 -1.009768754 -1.669175868
## 61 -1.388337e+00 -0.425595780 -0.04731544 -0.654379707  0.372392191
## 62  1.520220e+00 -0.360602882 -0.03184302  0.435945353 -0.088107063
## 63 -6.030243e-01  0.286118525  0.17443601 -0.384477171  0.208390010
## 64 -9.575933e-01  0.205054965  0.16877571 -0.098704361 -0.797111427
## 65  3.211104e-01  0.027910258 -0.04181874  0.533738281  0.020756214
## 66  6.046014e-01  1.367046986 -0.41701055 -0.995600650 -0.846680667
## 67  8.999226e-01 -0.146529541 -0.55734489 -0.259469703 -0.413848156
## 68 -1.114133e-01 -0.362938905  0.20229782 -0.308159075  0.713706442
## 69  5.311629e-01  1.174190878  1.53373023 -1.217585859  0.903742910
## 70 -1.865553e+00  0.355133423  0.35154435  1.142904385 -0.985630064
## 71 -5.391460e-01  1.763049023  1.18044714  0.406008092 -0.568883062
## 72 -6.459326e-01  0.451602406  0.53366607  1.392609584  1.544131875
## 73  3.260771e-01 -0.454785318  1.46639181  0.191563492  1.905306029
## 74  2.338788e+00  0.135863270  0.50338269 -0.752600839 -1.192196759
## 75 -1.559326e-01  0.424766549  0.10682607 -0.476843312 -0.367615471
## 76  7.627079e-01 -0.858630488 -1.16127842 -1.046626305 -1.492988528
## 77 -1.615051e+00 -0.154410568 -0.45535535  0.052557697 -0.883157204
## 78  5.266578e-01  0.481959181  0.19310099 -0.315617909 -0.600767476
## 79  3.039585e-01  0.854845774 -1.89271039  0.027793402  0.635821697
## 80 -1.394096e+00  1.330106733  1.13177423 -0.108387020 -1.178330946
## 81  8.649331e-01  1.525855875  0.26289510 -0.547325197 -0.105725552
## 82  5.643071e-01  0.386426162 -0.39532901 -0.681330714  1.210011676
## 83 -1.401655e+00  0.392117131  1.39179234  0.620930992 -0.716035107
## 84  7.688121e-01  1.108587426 -0.91334394 -0.188266334 -1.246430528
## 85 -6.648577e-01 -1.167217892  0.93361738  0.091221486  0.696980577
## 86  4.278128e-01 -0.832862537  0.39496426 -0.158911978 -0.303368157
## 87 -8.352364e-01  0.433812934  0.30832578  1.194478494  0.396350989
## 88  1.922825e+00 -1.217288860 -0.45075731 -0.533056135 -1.838699634
## 89  1.987351e-01 -0.340665515 -0.74463770 -0.461819875 -1.072576050
## 90 -5.622614e-01  2.835703591  0.34944191 -0.077722485  1.382491759
## 91 -1.521689e+00 -0.240233033 -0.08922222 -0.560552088 -0.131180095
## 92 -6.216302e-01  0.054820278 -0.33227456 -1.066562127 -1.007244279
## 93  2.886072e-01  0.326780867 -0.19864840  0.084978920 -0.262685046
## 94 -5.267127e-01 -0.614786070 -0.93232388 -0.238879339 -1.773342519
## 95 -1.725750e+00 -0.389333322 -0.34011596  0.176301612  0.430183538
## 96  9.448856e-01  1.202089156 -0.44402023  1.054400194  0.718016373
## 97 -2.669359e+00 -0.602563109 -0.06024061  0.469829414  0.012464326
## 98 -3.520297e-01 -0.980138167 -1.21163538 -0.009072924 -1.768284414
## 99 -1.175189e+00  0.601911495 -0.29731587  0.251158369  0.894721193
## 100 -1.081818e+00 -1.541610957  0.36698706  0.430439979  0.565582147
## 101 -1.960393e-01 -1.868586839  1.20630956  1.221166156 -1.703056376
## 102 -2.100548e+00 -0.353998577 -1.12703738 -0.100848395  0.612628593
## 103  3.595191e-01 -0.973557812 -0.84381419 -0.741658301  0.992365137
## 104  5.889840e-01 -0.016498717  0.03454773  0.661277246  0.283167230
## 105 -9.743114e-02  1.058963130  2.06568424 -0.676476690 -1.591643127
## 106  5.346376e-01 -1.032379282  0.58251750  1.354877889  1.456536847
## 107  8.205740e-01  0.477109152 -0.47575266  0.533089439 -0.424045119

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## 108 -9.513418e-01  1.604206333  0.84418031 -0.029313408  1.234545246
## 109  9.478986e-01  0.359252553  0.01086252  0.654517870 -0.654784882
## 110 -9.666760e-01  0.232962043  1.01568137 -1.072456547 -0.166000042
## 111 -1.771225e+00 -1.408799040  2.39282337 -0.445441928 -2.473054599
## 112 -1.145360e+00  0.002909697 -1.48768232 -0.780646425  0.499409864
## 113 -8.518141e-01 -1.267469631 -0.22901775 -0.376412293  1.427728886
## 114  6.759764e-02  0.636560603 -2.58717497 -2.020831748 -1.060442545
## 115 -5.534239e-01 -0.975963736 -1.38588300  0.557333528  1.922923393
## 116 -1.127857e+00  0.339065933  0.69186111 -0.486566783 -0.326632994
## 117 -1.313214e+00  0.910210063 -1.17988062 -0.581339942 -1.299364050
## 118 -7.129103e-01 -0.406728653 -0.39642449 -1.537224044 -1.033426193
## 119  1.146668e+00  1.089200685  0.55431413 -0.743831871 -0.398694596
## 120 -1.130703e+00 -0.132358812 -0.12779855 -2.958941042 -0.112097900
## 121  1.295553e+00  1.017703696  0.22825821 -1.010842643  0.447052279
## 122 -3.353723e-01 -1.041237775 -0.37494612 -1.441146288 -0.362756704
## 123 -1.742439e+00  0.069433091  1.11146660  0.901764360  0.826359972
## 124 -4.813269e-05  1.053103779  0.62604845 -0.518290142  0.707354467
## 125  4.870768e-01 -1.182005111 -1.21413177 -0.121295004  2.509818601
## 126 -1.529724e+00 -0.617151579 -1.79624465  0.858457025 -1.679135329
## 127  2.197571e-01  1.055779617 -0.10147442 -0.279001014  0.110222173
## 128 -1.584068e+00  2.142095583  0.94605828 -1.738997251 -0.173148608
## 129  5.029427e-01  1.266954706  0.58630519 -1.481010196  0.263492137
## 130 -2.068269e+00 -0.449322152  0.94064327 -0.739199858 -0.593418716
## 131 -5.676927e-01  0.531475057  0.70646783 -1.252820726  0.352439102
## 132 -2.341598e+00 -0.766531018  0.17963235 -0.169771974  0.044582760
## 133  3.915470e-01  0.485125164 -2.85559120 -2.179199013 -0.233110317
## 134  7.944729e-01  0.602970625 -0.89065673 -1.720521218  0.568926184
## 135 -6.831105e-01 -0.771385830 -0.78152349 -0.146010004 -1.607023508
## 136 -1.358116e-01 -0.662180869 -0.34688652 -0.528556485  1.438280188
## 137 -1.483751e+00 -0.333246436 -1.11922162  0.521253576 -0.674348056
## 138  1.747888e+00  0.315221491 -0.88879353 -0.446535349 -1.605268483
## 139 -2.976839e-01  0.361352421  1.31581764  1.372740804 -1.155912576
## 140 -1.139777e+00 -0.120683642 -0.07865857  0.193112579 -2.402644722
## 141  2.536815e+00 -1.193851274 -0.25136953 -0.017505020  0.333015597
## 142 -1.258091e-01  0.168870168 -1.74518086 -1.653826698  1.641024554
## 143 -7.569981e-02  0.730823091  0.45524267  0.188225989 -1.537615643
## 144  2.146524e+00  1.802445868  0.31971842  0.724704486 -1.000137073
## 145  5.646095e-01  0.093849757  0.46964874  0.745266885  1.296301235
## 146  4.921398e-01  0.894645023  0.99250667 -0.065394275 -1.051669516
## 147  2.234868e-01  2.055300385 -0.51956923  0.565678309  0.019222959
## 148 -6.157866e-01  1.826159713  1.40203843 -0.305641743  0.234612946
## 149 -1.335061e+00  0.132441018 -1.84090047 -0.421630856  2.036346382
## 150 -2.046550e-01 -0.142969183 -0.56083019  0.111528188 -0.187443089
## 151 -2.199844e+00 -2.621276074 -0.04163135  1.555044344  0.933767657
## 152 -1.032075e+00  0.945897597 -0.89564377  0.890630851 -1.013757653
## 153  1.490995e-01 -0.352241448 -0.86454403 -0.556525263  1.702671395
## 154  6.439767e-01  0.299940938  0.45494669 -0.350764779  0.628518442
## 155  1.491136e+00 -1.772489957  1.33108020 -1.026065861 -0.515520638
## 156 -4.671371e-01  0.024836266 -0.95145956  0.726340804  0.010235233
## 157 -1.157894e-01 -0.262102732 -0.15639053  0.557414073 -0.308348912
## 158 -7.319395e-02  2.208831320 -0.06990046  0.848882165 -0.249900022
## 159 -2.484781e-01  1.430569289 -0.28147683  2.104735513 -0.839031846
## 160 -1.187095e-01  0.161516829 -1.78245055 -0.168343126 -1.960243162
## 161 -2.484743e-01 -0.003696483  0.11126437 -0.239860997  1.682976643

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## 162	5.256384e-01	0.961455225	1.46770745	0.094854830	0.784204505
## 163	-4.676265e-01	-0.649408283	1.45216068	-1.217438462	1.833688908
## 164	-2.214307e-01	0.375310268	0.83594849	-0.812277552	0.181464854
## 165	-1.152137e+00	-0.358705243	-0.43046356	1.293748258	2.461809157
## 166	-1.351399e+00	0.435223008	0.13480144	-0.041297783	-0.429323952
## 167	-6.624404e-01	-1.323146479	-0.43848691	-1.257262283	-0.934229427
## 168	2.094356e+00	0.453062194	-0.40015287	0.225477199	0.345607019
## 169	2.004802e-01	2.429963787	0.10451822	-0.042761367	-2.047546240
## 170	-1.634620e+00	-1.961048591	-0.01049697	-1.495913929	-0.806485531
## 171	-2.352749e-01	-1.510068037	-1.07496560	0.276264889	-0.318247768
## 172	-9.214224e-01	0.391570938	0.85753335	0.353558491	-0.823658538
## 173	-1.057561e+00	-0.824660648	-1.28364134	-1.322276446	0.273759937
## 174	-3.761719e-01	-0.385622534	-0.84631436	-1.325819022	1.553922157
## 175	1.596559e-01	-1.091366886	0.66088466	0.774924470	-1.434199163
## 176	6.515776e-01	-0.757192975	-0.81403873	0.172148402	1.625859818
## 177	1.500560e+00	-0.607299228	-0.58054880	1.156951429	1.505784775
## 178	-1.139203e+00	0.133883859	1.65913853	-0.997518742	-0.487378637
## 179	2.778074e-01	0.261999163	0.22879810	0.333288309	0.763610793
## 180	1.050804e+00	-0.411380654	-0.46039786	-0.038518685	-2.310916750
## 181	1.669427e+00	-0.716662744	-0.38340309	1.409078530	-1.002785989
## 182	3.391522e-01	-1.697602395	0.46087804	1.208951652	-1.778691307
## 183	-1.168493e+00	0.441537249	-2.68666315	-0.344015379	-0.583790597
## 184	5.515940e-01	0.543020411	0.27673580	0.592370861	-0.670044452
## 185	1.282281e+00	1.019470590	-0.08045154	-1.902395632	-1.121347393
## 186	9.496765e-01	0.634622385	-0.44938537	0.338670345	0.949927022
## 187	1.791765e-01	-0.072772041	0.53912723	-0.304364106	-1.481024201
## 188	1.676397e+00	0.199493153	-0.83180462	-1.695236137	-1.354774991
## 189	6.669546e-01	-0.956511108	0.19035860	-2.473757821	-0.080933915
## 190	5.048068e-01	-1.087066694	-0.92232523	-0.323814010	-1.042697407
## 191	7.229471e-01	-0.595987851	-1.39727216	-0.684563206	0.406183024
## 192	5.552905e-01	0.049352317	2.09419864	0.047113265	0.456947028
## 193	4.732226e-01	0.147337956	-0.25239934	-0.542264692	-0.975919164
## 194	5.863591e-01	0.832872314	-1.15060934	-1.412517272	0.409340055
## 195	-2.196364e+00	0.856484351	0.15500238	-0.936850782	-0.003055231
## 196	1.605176e+00	0.448061624	-0.18085273	0.150475110	2.051484897
## 197	9.891881e-01	-0.898435422	0.52040789	-1.644179831	-1.590251178
## 198	3.714570e-01	-0.699709336	0.62419038	0.910924158	-0.599249462
## 199	1.558376e+00	1.322914187	-1.08494582	-1.107070468	-1.765058049
##	V17	V18	V19	V20	V21
## 1	0.487406276	0.017315303	-0.96206584	0.482920900	0.974739870
## 2	1.514396692	1.210358825	-0.73863875	-0.330008726	-0.006558132
## 3	-1.017580093	-0.739466207	0.43701310	0.702201538	1.567393278
## 4	-1.477216029	0.311931392	-0.18954842	-0.378400295	0.474007817
## 5	-1.662293683	-0.386697287	0.24627121	0.973839229	-0.944051166
## 6	-1.038774323	0.502952048	-0.17394824	1.022106161	-1.543734178
## 7	-0.367880063	-0.190506999	0.96184730	-0.788077569	2.654930649
## 8	1.610783976	1.144124682	0.50093697	0.905372999	-2.148273028
## 9	-0.195368165	-0.929984801	0.43872064	1.426141957	-1.768076644
## 10	1.446802757	-1.197866553	0.71786706	-0.212614501	-0.387633302
## 11	0.966554165	-1.447766121	0.40972367	-2.439445552	2.254773409
## 12	-0.537061333	0.367759902	0.93071588	2.378730286	1.035978795
## 13	0.866423974	-1.229542931	0.66248149	-0.263649224	2.236542795
## 14	-0.426264360	0.924950118	-0.95705482	-0.499146540	1.263022393
## 15	-0.746119834	-0.052670585	-1.00998706	-0.377194769	1.138448518

## 16	0.432229382	-0.966446698	0.62919476	0.846117256	-0.428842552
## 17	-0.103472224	-0.981533897	0.34032511	1.353701102	1.082732412
## 18	-1.537432376	-0.758481334	1.88691684	1.800951321	0.090041612
## 19	0.062070330	1.324733649	0.52495943	-1.261424410	-0.018357719
## 20	0.528968035	-1.485401757	0.16056833	1.600522947	0.238047142
## 21	0.152473545	-1.122757215	1.71911460	-0.274285671	0.243917134
## 22	0.312906741	1.577727353	-0.46940623	0.128687658	-0.068521971
## 23	-1.014168091	0.161729435	-2.26897215	0.928354266	-0.254786290
## 24	-0.299881007	-1.633024533	0.64234053	-2.375298080	0.155728784
## 25	-0.175633323	-0.663103702	0.13640664	0.708117871	1.385913439
## 26	-1.037398441	-1.581042528	-0.97469699	-0.713910361	-0.629233689
## 27	0.398217528	-0.849697036	-0.69710788	-2.030022262	-0.801343311
## 28	0.626606012	1.622568764	0.68744968	0.678608126	-0.030605691
## 29	-1.013673414	1.397499002	1.15372343	-0.349795283	-1.194016881
## 30	-1.095723237	-0.549288782	1.27498013	-0.044334711	0.984261402
## 31	1.302131606	-0.830050854	-0.26055524	-0.578213604	-0.473666206
## 32	-0.549457634	-1.402649820	-0.96627954	-0.620122112	0.444616956
## 33	-0.206447554	0.055368470	-1.31081870	-0.060863992	0.208592074
## 34	-0.179522699	0.861344934	-0.09686440	-0.010420069	1.152929379
## 35	1.269392723	0.175948836	-1.45566156	-0.373259029	0.011055625
## 36	-0.662487255	-0.523066632	0.53501087	0.003762557	-1.972320951
## 37	-0.910744009	-1.262721992	2.16625409	0.747329759	-0.591826446
## 38	-0.429053274	-1.587854397	-2.07582276	-1.172319097	1.018161489
## 39	-0.523213884	-0.828857699	0.02546378	0.396241385	0.714763565
## 40	-0.335172909	0.141020212	-0.13143674	-1.021717587	0.956570942
## 41	1.455724839	1.491556935	-0.29182778	-0.164966990	-1.205545240
## 42	-0.655797315	0.177444573	-0.20080675	1.685612333	-1.463484128
## 43	-0.592849304	-1.958089084	-0.46328102	1.688997897	-0.411028411
## 44	0.592775592	0.413373599	-2.33908895	-1.465419895	0.192585695
## 45	-0.115242761	0.451225187	-0.22272419	0.798892447	-1.210109507
## 46	-0.871512480	-2.093576851	-0.65196564	-1.431901920	-1.748687284
## 47	1.304228119	2.060133864	1.42195847	-1.193904592	-1.154230508
## 48	0.160205481	0.586806432	-0.96860049	-0.060953244	-1.084540805
## 49	1.750254845	0.665784258	-0.52215539	0.343698641	0.216826478
## 50	0.952442530	0.250350446	0.88971148	-1.421580663	0.959183474
## 51	0.203400007	-0.119503417	-0.09581462	0.216702821	1.197255403
## 52	-0.845391390	-1.164774611	-0.59935373	-0.414233413	0.401543478
## 53	-0.524478580	0.552400415	-0.83739606	1.342729636	1.089558972
## 54	-0.835711851	2.939598233	-1.08519046	1.142970053	-0.460036754
## 55	-0.420820883	0.457045765	-0.89593923	0.559276626	1.386934485
## 56	0.557371398	-0.167489075	-0.24143369	-0.663029474	-0.661563921
## 57	1.700086328	-1.343758275	-1.50233689	0.546642946	0.991243745
## 58	-0.812775095	0.520296273	-1.04087784	0.077027901	-0.954790139
## 59	-0.799658424	-0.794772903	0.88391108	-1.049220475	-0.746548536
## 60	1.530653614	0.686010019	-0.32103203	-0.358057144	0.337495742
## 61	-3.011998024	-0.597058284	-1.14079465	1.212192048	-0.541998996
## 62	-1.377067943	1.182156114	1.12119776	-0.103529219	-0.406770367
## 63	0.211796955	1.127121462	-0.98065223	-1.238290057	-0.764737086
## 64	0.146602752	0.127781533	1.50689911	0.526137207	-0.696854281
## 65	-1.317781638	1.037711154	-0.10365667	-0.052079733	-0.634230865
## 66	0.813125524	-1.286894431	-1.89618012	0.055917528	-1.799898265
## 67	-0.333518837	0.134508462	-0.48372191	0.950751504	0.807320992
## 68	-0.537968944	0.217760667	2.26757631	-0.693875020	1.013285976
## 69	0.613079636	1.217875202	0.72026406	0.250707497	0.645025268

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## 70 -0.496071569 1.704745026 -0.02328628 -0.354690484 -1.421671003
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## 72 -0.751262301 1.247492867 -0.87651824 -0.705101991 -0.041450235
## 73 -0.693768844 -0.405597721 -0.22193208 0.321393728 0.905270302
## 74 -0.574108640 0.983169745 1.66148848 -1.533636803 -0.415617919
## 75 -0.454373349 0.495519670 1.39930348 -1.627407201 -1.224245392
## 76 -0.345947837 1.223177354 -0.54626026 0.867543728 -0.141103838
## 77 -0.512034462 -0.571336526 0.79735574 -1.018938368 0.465681290
## 78 0.638320383 -0.903355451 -0.16604398 -0.530440525 1.196293732
## 79 -0.313127216 0.240419898 -0.25756706 -0.053425846 0.625556260
## 80 0.726271277 0.896006122 -0.24950773 0.277539498 -1.098905263
## 81 0.449045318 1.488575152 -0.97834761 1.309888804 -0.213079076
## 82 -1.665229851 -0.417164435 0.56791401 1.260656700 0.521891252
## 83 0.775241814 -1.073203333 -0.45863586 1.570466120 -0.024477287
## 84 1.425805522 0.318136112 -0.40661417 -0.533437638 0.203429053
## 85 1.486738252 0.465013704 1.69189820 0.084223604 0.299248268
## 86 1.033196043 0.283045645 -0.61741746 1.179042998 1.016769736
## 87 -0.159929686 -1.602843358 -0.69845388 1.821296294 -0.972507012
## 88 0.090758523 1.009265390 0.74743312 0.335219514 0.194092724
## 89 -0.721287094 -0.306711554 -0.18832998 0.078504994 -0.138952112
## 90 -1.054135579 1.331085377 0.26282495 1.149634899 0.363507030
## 91 0.662231371 -1.187016212 0.38433335 0.778910991 -0.704905752
## 92 2.094869537 -0.385238317 -1.38082606 -0.314850843 -0.854823277
## 93 -2.203404684 -0.078369433 -0.19051394 0.509919576 1.269065754
## 94 -0.496022422 1.252404972 0.36960780 -0.010904428 1.071326186
## 95 0.005703284 0.378539306 1.21511630 -0.251815980 -1.026218730
## 96 1.138004973 -0.517102085 0.25143898 0.096370931 -0.137132052
## 97 0.388212855 0.838494534 0.06400865 -1.105454107 1.362323412
## 98 0.770423442 -1.424849820 -0.43656163 -1.308410080 0.624002912
## 99 -0.292274845 -2.064658321 2.58661557 -0.619124003 -0.758840996
## 100 0.673296216 -1.279986058 -0.18770375 -0.581207894 -1.301185154
## 101 0.360536218 -0.449340732 0.75804892 0.531947339 1.053341260
## 102 -0.493493541 1.431946144 0.09344414 1.201893786 0.284860530
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## 104 -0.937550466 0.352763749 -0.86599547 -0.294455153 0.878824689
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## 106 0.033383151 -0.785415335 -0.38964669 -1.324401515 1.039933651
## 107 -0.187368374 -0.046978137 1.34205939 0.718200201 -0.771964139
## 108 2.602227055 -0.312963595 0.91246123 -3.044507301 0.210732909
## 109 0.650309294 1.185781760 -1.58106703 -1.503510803 0.818829695
## 110 -0.364049375 -0.394280110 -0.04535149 1.664027164 0.707772086
## 111 0.679280136 -0.418078440 1.45684739 1.960646445 -1.683042423
## 112 -0.085471146 -0.106505833 1.37195878 1.382120909 -0.952760027
## 113 0.634328925 1.028910386 -0.85233149 2.045464662 2.839987188
## 114 -0.210742481 1.226336393 -0.38619454 0.511092506 -0.135082622
## 115 -0.076771148 0.484401670 -0.55408438 -0.865070654 -0.889223348
## 116 0.304134473 -1.990438174 0.63106918 -0.991162122 -0.436354024
## 117 0.187753656 -1.083632231 -0.81074635 -1.780313807 0.712838764
## 118 -1.090933529 0.051642598 -0.13707756 2.158940114 -1.561462071
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## 120 0.290767590 0.040838575 0.33585653 -0.236602566 -0.229571087
## 121 0.862730034 0.510841432 1.27780904 -0.319519434 0.568893030
## 122 0.203493685 -0.509028764 0.46202465 -0.712870502 0.072615797
## 123 -0.219239278 -0.745085829 -1.33952173 0.349584498 -0.216037505

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## 124 -0.605461780 -0.643976256 -0.62852455 0.220699288 0.797736825
## 125 0.237592008 -1.981132420 0.32615013 0.331733178 0.006151101
## 126 -0.273391600 0.047219869 1.02785680 0.839263009 -0.564600976
## 127 0.738711218 0.009647487 -1.51706056 -2.579258348 0.126986689
## 128 -0.550725147 1.091635649 1.01747220 -0.758682183 1.069862489
## 129 -0.785231861 1.589389561 -1.00074141 -0.602351014 1.260969267
## 130 0.303825000 -0.540830211 -1.22972502 -1.688276135 1.787873270
## 131 -0.638276304 0.292435818 -0.39283939 -0.094190024 -0.928463468
## 132 0.552761040 0.790748702 1.51445848 -0.272188832 0.606080188
## 133 -0.766651174 -1.050537425 -1.52195009 1.732291111 0.038977431
## 134 1.497330331 0.575624739 -0.70429027 1.342370014 -0.634831477
## 135 -1.458396700 0.917588347 -0.52119922 -1.109326738 0.136175946
## 136 -0.458031809 1.082270198 -0.49234428 1.677167196 -0.727427135
## 137 -0.363912235 0.985894349 0.22416932 1.662424359 0.505829058
## 138 -1.402292027 1.186356555 0.92498171 0.047639818 -0.776005995
## 139 -0.845115800 2.194189723 0.29039975 0.481667494 1.072908692
## 140 0.301087565 -1.168595953 -1.23557856 0.009632970 -0.562342740
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## 142 1.034362065 1.440572371 0.64703870 0.847137026 -0.496182708
## 143 2.200770097 0.380448722 0.89796210 -0.060058605 -0.593291530
## 144 -1.051640508 0.891380174 -0.56882096 -0.532361362 0.532204740
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## 149 0.419753458 1.653321747 -0.63529307 -0.001338938 1.034227642
## 150 -3.731823035 -1.208642770 -0.34068032 1.053379645 0.150924675
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## 152 -0.133679219 -0.693413986 0.68529048 0.075803164 0.875112737
## 153 1.169957308 1.324404206 0.02247379 -0.417750531 -1.628240979
## 154 0.351925921 0.198880930 0.25339829 0.231300019 1.844074233
## 155 -1.740540696 0.414922744 0.74801023 -0.158000935 1.171906628
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## 161 0.145409788 1.435880088 -1.20341729 -1.325135844 -0.435410402
## 162 0.929165868 0.914582837 -0.28168939 -0.252829679 -0.428036158
## 163 1.210917753 1.020117666 -1.79050992 -1.048450826 2.941828097
## 164 -0.808241422 0.364475980 1.11362690 -0.993409581 0.383804321
## 165 -0.015883985 -0.351129829 -0.76912899 -0.732070633 -0.053980613
## 166 -0.220384494 0.736749531 0.45397475 -0.286219876 -1.955984629
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## 170 0.819480388 -0.614206072 -1.43780986 2.987826162 1.611177923
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## 172 1.778357141 -0.159354535 -1.17719819 1.234286474 0.428425881
## 173 -0.519262954 -1.683016458 1.80346152 -0.070279807 0.873233235
## 174 -0.406836396 -1.664533074 0.71809677 0.321782385 -3.535188563
## 175 -1.358138607 -0.228406354 -1.48228142 1.208962583 -0.400290072
## 176 0.071318985 -0.859633468 0.04442155 -0.843244566 -2.012970070
## 177 1.771347984 0.481386381 -0.41730797 1.044863574 0.228218550

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## 178	-0.693415662	1.426744763	0.19176559	-0.749151529	0.228914465
## 179	1.553863184	-0.289100287	-0.13701170	0.706685990	-0.264817197
## 180	0.840791548	0.564655113	-1.37468869	-1.254258245	0.056243390
## 181	0.322598754	0.345069072	0.17246416	-0.286556285	0.210974793
## 182	-0.803629855	1.455455038	-0.07909446	-1.299890254	-0.772458488
## 183	-1.197732242	0.896271597	1.03445144	0.597265469	0.227479253
## 184	0.324631795	1.758978488	-2.09235258	1.350083394	-0.043090877
## 185	-0.198652819	-1.855255521	-2.34218018	0.907537809	-0.953459491
## 186	-0.133761576	0.276213186	-0.04058115	1.558062863	0.045825298
## 187	0.613119302	1.375844782	0.33105735	-0.112402262	-0.711168869
## 188	-0.316703092	0.391093376	0.66173106	-0.302608911	1.705314195
## 189	0.003579704	2.888806897	-2.29451672	0.167241761	1.185006575
## 190	-0.669609372	-0.382042496	-1.23513317	-0.188890576	0.011137287
## 191	-1.823175272	-0.671281180	-0.88610384	-1.050356061	-0.699655747
## 192	-1.991669864	0.701011927	-0.22922123	0.405994256	0.093130179
## 193	-1.676183359	-1.726890412	-0.93186224	-0.066704374	0.674810100
## 194	-1.411021089	0.762837976	0.92141967	0.600093287	0.580690929
## 195	-0.730088169	-0.185366160	-0.09877288	1.590574999	2.085456546
## 196	1.498666337	0.935953643	-1.24200094	-1.015729559	-0.393185246
## 197	-0.319024566	-1.759906292	1.47532766	1.197930553	0.822915956
## 198	-2.382900940	-0.662607606	-0.73501145	-1.048038219	0.362853566
## 199	0.710238460	-1.399802936	-0.54525107	-0.445264903	0.831013773
##	V22	V23	V24	V25	V26
## 1	-1.641654545	0.084987744	-1.127058633	-0.381709224	-0.523489403
## 2	0.170323824	0.686022952	-0.029954459	-0.229117083	1.124597141
## 3	-0.694975439	-0.927456990	0.925644938	-1.759477765	0.911000640
## 4	0.201298121	0.016139958	0.853861371	-1.354262108	-1.259835893
## 5	-1.448612755	-1.466107752	0.103892142	0.574478474	2.027729985
## 6	-1.412445490	-0.183202111	0.993546941	0.365124062	0.607822777
## 7	-0.118474445	-0.602893393	1.718295609	0.932720935	0.513879021
## 8	-0.858572424	0.027666063	0.587470167	-1.022654571	0.390879670
## 9	-0.486517218	0.071414066	0.001820158	0.218439339	-2.106970229
## 10	-1.521823531	0.017311658	0.852713651	-0.507499201	1.146786279
## 11	2.106664143	0.156809314	-0.454022279	-1.972764860	-0.985101359
## 12	-1.252738318	-0.301994889	0.287216644	-0.524165752	-0.264463819
## 13	2.763805465	0.267358184	-0.250099466	0.525465061	0.007442369
## 14	-0.246206310	0.061627460	0.109715021	-0.395260329	0.485516755
## 15	1.627871528	-2.059433052	0.108775270	-0.466145023	-1.120751326
## 16	1.287759415	0.503975903	0.373819558	-1.328877789	1.877043723
## 17	-1.885910042	-0.002855073	-1.875442590	-1.438772802	1.042569287
## 18	-0.050360225	-0.480615765	1.379571892	-1.016031710	-1.623909500
## 19	-0.794189103	-1.566524180	0.673087029	1.029601242	-0.319951420
## 20	-0.453503946	0.665750732	-0.418201748	0.208591813	-0.112416097
## 21	1.494093436	1.258810988	0.317705838	-1.016425641	0.890964645
## 22	0.458807724	-0.712451063	-0.545157400	1.360891779	-0.647011377
## 23	0.376581247	-0.706399185	-0.227456646	-2.117642712	0.305981503
## 24	-1.690395567	-0.082281228	-0.517301553	0.779907411	-2.478754819
## 25	0.536265442	0.763752976	-0.308918354	-0.290745801	0.909629449
## 26	-0.867993169	0.308645017	-0.949154754	0.178699568	-0.821743616
## 27	0.415962654	-0.392150434	-0.745145041	0.183502388	0.370159498
## 28	2.778600313	-1.092548355	-0.880523567	-0.986113910	-0.295486737
## 29	-0.294169217	0.125792400	1.174001706	1.270804060	-0.441676924
## 30	-0.080495331	0.894660980	0.854161347	0.349756906	-0.360517684
## 31	0.290914889	-0.300856414	0.606961277	-0.788868469	-1.189089700

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## 32 -1.287072418 -0.974117140 -0.862786698 -0.740001211 -0.497623831
## 33 -1.313629251 0.174817474 -0.488901374 1.800877585 -1.240933790
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## 35 -1.035720296 -0.410577644 -0.556136026 0.267635286 0.131687670
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## 37 -0.663063845 0.974651427 0.548951921 -1.083507583 0.378663673
## 38 2.193145071 -0.824353259 0.096811484 -0.024482404 -2.120740011
## 39 0.999940430 -0.686989049 -0.555271999 1.050742851 0.805296653
## 40 0.628958213 -0.892060486 -0.594632099 -0.543241770 0.536129682
## 41 -1.297330443 0.636589230 -0.254936680 0.812902219 2.263177410
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## 43 -0.567856546 0.529980698 0.476085938 -0.224870074 -2.014231351
## 44 1.023243330 -0.700272305 -1.266557250 -1.365186608 0.136268620
## 45 -1.145085891 0.151681620 0.132193555 -0.524456476 1.534716068
## 46 0.056556095 -0.814111337 -0.093161450 0.321892217 -0.426471476
## 47 -1.640238580 0.699847525 -0.419464167 1.340660686 -1.536012890
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## 50 -1.671944734 0.698711554 1.591195439 2.119251168 -0.904615672
## 51 0.677911673 1.319583628 1.300578842 -0.150395793 -0.427755055
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## 53 -0.248933400 -2.406077624 0.436997209 -1.053877600 0.215756931
## 54 -0.613995798 1.855865161 -0.134825349 -0.901406768 1.108806058
## 55 0.668808601 -0.822884468 1.978042401 -0.672939459 1.205830374
## 56 0.571687827 1.775686124 -2.020518014 0.228237057 1.015481949
## 57 -0.364300013 1.252696322 2.008824501 -0.948217993 0.807865421
## 58 -0.869470992 0.058486842 0.199493090 2.415378722 -1.726722212
## 59 -0.649194181 -1.128274336 -1.536258345 0.251179560 -1.844163897
## 60 -1.401872661 -0.450932631 1.001391355 -1.019536923 1.091301216
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## 64 1.171211604 -1.884155629 -0.866092275 -0.277581979 -0.033749471
## 65 0.862701642 -0.480665211 -1.077726847 0.259657400 -0.196284624
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## 67 0.036167766 -0.651528646 -0.711644646 0.576192781 1.813077294
## 68 0.571629424 1.310042954 -0.709878544 0.903355809 -1.659831858
## 69 -0.313431205 0.773368115 1.405742457 -0.113311952 1.199063741
## 70 0.094379463 -1.176501926 -0.412685490 0.336292223 -1.237884325
## 71 -0.452786627 -1.806097999 -1.094107659 0.183743767 0.285644539
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## 73 0.479700707 -0.992151785 -0.135511316 0.202068531 -0.784497589
## 74 0.225689544 1.337370293 1.254902540 0.354800063 1.036891393
## 75 -1.202489834 -0.025838205 -0.947242597 -0.374543224 0.801581608
## 76 -0.008480016 0.425566491 0.504094408 -0.610244159 0.070395303
## 77 -0.693815001 1.215422047 -2.386687414 -0.471526690 -0.739108115
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## 80 -0.500305243 0.341439871 0.536191169 -0.573589456 0.297704005
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## 82 0.117646735 0.914877330 -1.246689590 -0.859638207 -0.167302138
## 83 0.658242551 -0.124795713 0.623368814 1.069100303 2.762316169
## 84 -2.054812839 0.780334513 -0.176327753 0.948153828 0.205532068
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## 98	0.567776586	-0.044038350	0.312873557	-0.016269745	-0.814304887
## 99	0.298300531	0.360453420	0.574457250	0.587921818	0.074034610
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## 113	0.700405819	-2.663346625	-0.495279334	0.052085253	0.926351609
## 114	1.341174908	-0.063513551	1.575681908	-0.422354080	1.091881742
## 115	0.131121749	-0.872870904	-0.068361918	-1.146018897	0.509373857
## 116	-0.358824094	-1.662359401	-0.059422661	0.010115727	0.939574795
## 117	0.384308712	1.625406033	0.609162479	0.112760525	1.663276718
## 118	1.002150945	1.956547557	1.492683233	-0.638922405	0.479273997
## 119	0.519983127	1.353906818	1.382688743	-1.028511212	0.106843567
## 120	-0.032506283	-0.019104190	-0.301712708	-2.100457969	-0.698961404
## 121	1.540182864	1.906115714	-1.397360212	-0.155020435	-1.417664328
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## 123	0.907374970	0.051022315	-0.506101814	-0.197272479	0.137639501
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## 125	-0.278288144	-0.670630986	-2.070178644	-0.572875342	1.194794509
## 126	0.014975411	0.052337731	1.194531154	-0.950942976	-0.811748497
## 127	-0.373099273	-2.693383702	-0.512719195	-0.615255033	0.335430478
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## 133	1.137999676	0.711410269	-0.714959442	1.013904684	-0.226236943
## 134	1.055251695	1.727401368	-1.382500204	-0.419807160	-0.307031777
## 135	0.673172653	1.099954726	0.158255057	1.566447348	-0.498923017
## 136	-0.315092000	1.361160769	-0.881583284	-2.426788155	-0.542923494
## 137	-0.790266098	0.223399856	1.349270801	-1.063647585	0.051070230
## 138	-1.051361811	-0.148081361	1.636658053	0.678409757	-0.882696072
## 139	-0.983229205	-0.616891532	0.279233487	-0.121382337	0.203460914

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## 140 0.127705704 0.633658090 0.472336605 -1.186179126 -0.583957416
## 141 -0.450027267 0.708592125 1.066524916 0.716937575 2.173609994
## 142 1.113656749 -0.199655043 -0.451314742 0.822271144 0.118878057
## 143 0.338602739 -0.589127770 -1.619417642 -1.016646144 0.603437446
## 144 2.052366827 1.216245581 -0.116741392 -0.401232946 -0.009018174
## 145 0.936404007 0.600335606 -0.981270802 -0.489798017 1.178018710
## 146 -0.238427790 1.011272528 0.226849356 -0.754445359 0.537291091
## 147 -2.031175418 -0.984670306 -1.374145429 1.158568699 -0.478752601
## 148 -1.035661077 0.880794730 -1.033000597 -1.365011503 -0.724125794
## 149 -0.938409882 -0.321261692 -1.954826408 1.774690356 0.389640400
## 150 1.426691525 2.559547172 0.953652004 -0.003779317 1.351410167
## 151 0.968356761 0.903525714 0.533515802 -1.092385672 -0.156342195
## 152 -0.478587598 1.179673938 -0.980761535 -0.316335637 -1.081514706
## 153 0.188547128 -0.021340392 -0.528698788 -0.469936210 1.675567977
## 154 0.574181843 1.180759299 1.613842025 -0.222331322 1.632107438
## 155 1.121581343 1.379911216 -0.045089950 0.080932222 1.389553233
## 156 0.739705074 -0.953824407 0.605936186 -1.122965836 0.343755286
## 157 -0.621293222 0.730718449 -0.455812782 -0.730645761 1.247523418
## 158 -1.022132135 -1.650013655 -0.758063713 -1.010090912 -0.106094169
## 159 1.196003860 0.372086847 0.144275400 2.793896646 0.233447763
## 160 0.771849658 -0.775853731 0.714105465 1.038865887 1.323780781
## 161 -0.262382949 0.950710870 -1.337219423 -1.000719992 -0.943592455
## 162 -0.192271488 -2.384413274 -0.409458065 0.660704862 0.390583542
## 163 -2.629000046 0.357246174 -0.357475868 0.620593576 0.199354108
## 164 0.067274438 0.294866275 -1.874140656 -1.280934930 -1.473794540
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## 166 1.385034227 1.517867370 0.308949968 0.287644008 -1.179774046
## 167 -0.038319319 -1.445233188 1.008618429 1.401323672 -0.705888147
## 168 0.248936097 -0.349885926 -0.326916050 -0.096339458 -0.574624736
## 169 -0.719194695 -1.389456136 0.459574740 -0.475319783 0.965820199
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## 172 0.793728572 -1.397133768 -0.012427596 1.290150067 -1.547616198
## 173 -0.418496812 0.669891584 0.255552880 -0.962224212 -1.208822512
## 174 -0.336474333 0.512492712 -1.112613854 2.139271960 0.094504718
## 175 0.276277869 -1.006001107 -1.570418288 0.310253724 0.028901203
## 176 1.833820639 0.658512590 1.212519230 1.197087923 -0.971173848
## 177 -0.847271720 -0.283726719 0.388400058 -1.149207038 -0.591384203
## 178 0.225590589 -0.161618635 0.454798263 -1.907201771 -0.994096544
## 179 0.209403335 -0.831174534 0.178330759 -1.147494038 0.607530954
## 180 -2.085643653 1.482686118 0.863602169 1.856762598 0.430333900
## 181 -1.605611756 0.407495661 -1.316319344 0.386790949 0.370644335
## 182 -1.879540545 -1.259143607 0.060060299 0.280666427 0.701013543
## 183 0.594504574 0.229973026 0.901374809 -0.390755962 1.271809406
## 184 -0.049409717 -0.938355513 -0.653199875 -0.440879920 -1.773522851
## 185 -0.731561536 -0.193488016 -0.414243085 -1.228388697 -1.416359584
## 186 0.813396112 0.295348222 0.905998145 0.600647250 -0.111693149
## 187 0.884819523 0.717506450 -0.010832378 -1.630507041 -0.138055686
## 188 0.151293768 -0.440950682 0.929064328 0.747104594 0.887643241
## 189 -0.815417730 0.096587970 0.799843000 -1.518833998 0.650903308
## 190 -1.064463175 -2.175937492 0.327300359 0.182645335 -0.841669983
## 191 1.450645115 -1.856316576 -0.621211842 -0.129874365 0.094108173
## 192 0.420199574 0.893850236 1.087838754 -0.913836180 -0.540286540
## 193 -1.204503110 -0.212630806 0.261200672 1.204574089 -1.015125565

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## 194	1.513694201	-0.102370425	-0.527840696	-0.597168404	1.418068410
## 195	-0.411686616	-1.071824548	0.333992574	0.925328252	0.407532873
## 196	0.565458667	1.524782986	-0.827362966	-0.591270616	1.268500828
## 197	0.143062809	-0.095522864	0.223455974	0.789957959	-2.060654087
## 198	-0.610935922	0.754084979	0.549599323	-0.457450572	-0.157828490
## 199	0.632994043	-0.767854992	-0.023778830	-0.635366024	-1.325551026
##	V27	V28	V29	V30	V31
## 1	0.075225967	0.96360245	-0.4827310118	-0.7353086650	-0.767885830
## 2	-0.542363416	-0.43195761	0.4520484216	0.2101440709	-0.002096042
## 3	-1.064875160	-0.62151850	0.6819158729	1.0047718048	-1.164309969
## 4	-0.476133155	-1.86908077	-1.1691973417	-0.0319813413	1.601559467
## 5	-0.549177879	-0.29468447	0.9115652933	-0.7700603210	1.221904047
## 6	1.202191062	-0.12041359	-2.0655045847	-0.6913374048	1.844074641
## 7	1.556837540	2.24209527	1.2468145994	0.1060946115	0.199952864
## 8	-0.092704793	-0.12430244	1.3309712102	-1.1395203445	-1.343824708
## 9	1.667429165	-0.31201606	0.4711971176	-0.1796981778	-0.499019607
## 10	1.226502915	0.91421838	-0.2971119524	0.2672199712	-0.079949914
## 11	-1.161422947	0.02168758	-0.7660177815	-0.0610885589	-1.572770168
## 12	-0.973491776	0.17160937	-0.0631301363	-1.3236726977	-2.036835929
## 13	-0.285553752	0.68415480	0.1333881439	1.2607361218	1.068356258
## 14	-1.508122017	0.29775409	0.9692782855	-0.4626784696	-1.312844906
## 15	-0.871631766	-0.80573748	0.2489236159	0.3450060748	-0.880318586
## 16	0.086053304	0.74451512	-0.1006148494	-0.8889238623	1.506647190
## 17	-0.751398941	1.75820702	0.6691910105	0.9425232114	0.482617958
## 18	-2.069697142	-1.88028542	-0.5723690579	0.9159121862	1.205631552
## 19	-0.822782063	-0.24850121	-0.7915318810	-1.0379374848	-0.874554920
## 20	0.534785875	0.47648432	-1.1204391810	-1.4574011400	2.113278473
## 21	-0.699101637	0.34664847	-1.5091491581	-0.7845805762	-0.227699825
## 22	0.224606456	1.23036116	0.9593746741	-0.7250832260	1.085283286
## 23	-0.087451440	-2.31624876	1.2858321143	0.1329926781	1.193992627
## 24	-1.061446906	-0.19204025	1.1453387718	1.1132997350	-0.104269789
## 25	0.725156034	-0.87974785	-1.1522048553	-1.1698901923	0.091064632
## 26	0.903873543	-1.14665279	0.8055119770	1.9412750503	-0.057839471
## 27	-0.064449055	0.18096248	-0.9012220351	-0.4813050203	-0.294143527
## 28	-1.311629717	-2.06928151	0.6988078984	0.5540949535	-0.521753212
## 29	-0.099854557	-0.07210681	-1.8884326948	-0.8657518878	1.072132984
## 30	0.269259891	-1.07782950	-0.5602035847	0.1667256125	1.205865705
## 31	1.725671751	-0.24295039	-0.7980240632	0.8075757649	0.468567876
## 32	-0.482264937	-1.73234213	1.0523375803	-0.6104609134	-2.063381431
## 33	0.793770123	1.61846134	-1.3067525903	0.2625565651	0.065485664
## 34	-1.139858250	-0.13204396	-0.8048727415	0.6420256735	-0.645774277
## 35	0.482288926	0.33594966	0.7206128642	0.8795066205	0.037916413
## 36	2.032577534	1.83985349	-0.6458416740	-2.5409262794	-0.941729779
## 37	0.029762569	-0.09927976	-1.3685158001	0.0164678134	0.249542422
## 38	-0.084506660	1.82014545	0.4559976623	0.5062237531	-1.168351138
## 39	-0.498112802	0.99430263	0.2421664252	-0.6145479044	-0.878600745
## 40	-1.087628512	-0.40738828	-0.6234462411	0.5809185979	-0.425989406
## 41	0.202903706	0.03988190	0.1418051843	0.5780137447	0.039208087
## 42	-0.880102209	-1.11306621	-0.4168056099	1.1399571549	0.993864576
## 43	-0.361269299	-0.14137342	-0.3216354341	1.3141378899	0.312761556
## 44	-0.136312252	-1.04431115	-1.3662007406	-1.3558865626	-0.205226114
## 45	0.669294428	-1.35428834	-0.0165479373	1.1499092296	-0.027343226
## 46	-0.994388754	-0.26611843	-1.0048508316	0.3442807635	-1.008862784
## 47	1.687808006	-1.82804915	-1.3166181570	0.6780556737	0.746466300


```

## 48 0.169022359 -1.50657206 0.1866308483 -2.3829725142 -1.608065676
## 49 -0.703922522 0.83301909 1.2856844970 0.8690245657 -1.480868412
## 50 0.263668375 -0.75618730 1.6855767121 -1.8028937301 1.026787465
## 51 -0.018391565 -1.30785030 2.1030858820 -1.1086970799 0.255434394
## 52 2.258158805 0.62085144 0.5612651235 3.4640107479 -1.605136693
## 53 0.904709219 0.08308118 -0.1790599620 1.0549523209 1.074206177
## 54 -0.277277450 0.29053670 -1.8926747186 1.0341323792 0.264654299
## 55 0.469897448 -0.22759181 0.4927196210 0.4431195098 0.822298030
## 56 -0.738624708 -0.58739327 0.1615010641 0.2322598071 -0.422018625
## 57 -0.588499626 0.66786120 0.4880622221 -0.5475287966 -0.691615715
## 58 -0.198343678 1.44793672 -0.4746658278 -0.9169278991 0.942460185
## 59 -2.736919030 0.25228838 -0.8315633125 0.7753360571 2.871802117
## 60 0.428679629 -1.84235599 0.8537714510 -0.5378419676 -1.165892644
## 61 -2.670529132 0.60411652 0.7619151485 -0.5787830045 -0.717371648
## 62 -0.305809068 0.70750741 0.2619363345 -0.1595070820 -0.532949282
## 63 -1.018388412 0.77059920 1.4055803135 1.4098074260 0.852276405
## 64 0.413416079 0.70877357 0.3046757405 -1.8791629298 -0.642946804
## 65 -0.743648085 1.09178122 0.4013668909 0.0256895642 0.307048051
## 66 -0.285575731 -0.38153445 1.4969200001 -1.1875579878 -0.342355472
## 67 0.368648104 -0.69905169 0.7895474338 -0.3136651187 0.843120561
## 68 -0.563868310 1.04409571 -0.8600023821 0.4898934674 0.485769978
## 69 -0.581967129 2.18099306 -0.8181888547 -0.2008159412 0.370474689
## 70 -0.866290799 0.69444248 0.0572132108 -0.3980199959 -0.827377305
## 71 -0.405386455 1.25011773 1.6108845807 0.5333546353 1.541470065
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## 77 0.698678604 1.40898763 1.4872875692 -0.1058457483 -1.418322216
## 78 -0.757450022 0.27589907 -0.6750670944 0.2983254975 -0.384051548
## 79 0.027393816 0.31801374 0.4564524387 0.9931425045 -0.683955606
## 80 0.987059425 -0.59339390 -1.4139094143 0.1688260911 0.937845443
## 81 1.010396131 -0.68013021 0.3151662939 0.7325186484 0.892884286
## 82 0.929193746 -0.83739235 -0.3537523493 -0.7487593612 -0.614078020
## 83 0.474209655 0.34028645 0.8156501294 0.8451342250 -0.206590017
## 84 -1.482496945 -0.92640157 0.2326981873 -0.4444052950 -0.260435141
## 85 -0.207920803 -0.15040602 -0.2091813177 -1.6314079483 0.648552385
## 86 -0.359753604 0.71313597 -0.5820909853 1.1196596801 0.467399410
## 87 -0.694727543 -0.58207383 -0.2633959888 -0.1847447090 -0.070818061
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## 98 -0.365647550 0.72724105 0.5311936470 -0.2092900907 2.669574439
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## 100 -1.348537108 0.34875694 1.2779468650 -1.2699371289 0.041134346
## 101 1.375857038 -0.10099235 2.5916736275 0.9305721536 -0.257336851

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## 102 -0.665060998 0.13554768 -1.7695122831 1.4867100439 0.422236305
## 103 1.040219482 -0.43404202 -1.4866324923 1.2072974791 0.388579968
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## 108 0.754706752 -1.94009086 0.3944705659 0.2144431777 -0.329562713
## 109 0.442991543 1.38567678 -0.4166111427 0.7146256793 0.680953128
## 110 -0.627987406 0.42194449 0.4364269039 -0.8519438896 -0.967706297
## 111 -1.440448115 0.98795009 -2.0771713941 -0.7175403714 -0.928047061
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## 115 0.782381336 0.29134099 0.6875425352 0.4167199682 1.135547267
## 116 -0.785195955 0.40403724 -0.1834788721 0.3306787726 -0.363512202
## 117 -0.779772623 -1.02760617 0.0527229539 -1.1675702650 0.158298843
## 118 0.911903644 1.09604773 0.3303957391 0.0017713356 -0.170310235
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## 123 0.525292191 0.50890623 -1.088834383 -0.7081034706 0.695953894
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## 129 -0.762142797 -0.40562983 -1.1127451067 0.4423804724 0.871596301
## 130 -1.785205538 0.88996172 -0.6538791130 -0.4903788399 0.202595602
## 131 -0.463805532 -0.67296450 -0.1200966490 -0.5016930150 0.253462424
## 132 -0.345918770 -0.54847147 -0.2699290302 1.2291096541 0.223181466
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## 134 -1.083069328 -0.76796431 0.0446098085 -0.5589747395 -0.644240815
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## 136 -0.121365703 0.57976097 0.8121751482 0.9618631400 -0.458480736
## 137 -0.671553756 -0.69863441 -1.0111008021 -0.7434831562 1.255555731
## 138 1.035391857 -0.31801527 0.4669144930 -0.5702045157 1.369834318
## 139 -0.306185073 0.06757521 0.5881190899 0.6663037101 1.727310502
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## 143 -0.656425399 -0.07448256 0.1572413993 0.8068393843 -1.238863432
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## 145 0.628131172 0.20016334 1.1448942968 0.0220395075 0.258296825
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## 149 0.030682218 1.66928367 -2.4731575270 0.7265471192 -0.218907640
## 150 -0.759561303 2.16595715 1.1277660239 -0.4521261478 -0.813590333
## 151 0.275497335 0.40484828 0.4648665313 -0.4069383073 -1.898161766
## 152 -1.407442385 -0.53288265 2.0352067246 -0.5096384107 -1.695791720
## 153 0.387426349 0.24733078 -0.9390611774 1.5838299936 -1.240789181
## 154 -0.668284832 1.36652068 1.8874084682 -1.9087456412 -0.456663030
## 155 1.369734197 0.02015281 -0.7481883644 1.9033247797 3.124581147

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## 156	2.343639486	0.88454246	-1.6449441900	1.0382147074	1.853833905
## 157	0.677203200	0.47909670	-0.1125957604	-0.4368110974	0.185593864
## 158	1.386956644	0.42818706	-0.3289036096	-1.5644007560	-0.580862591
## 159	-2.639950198	1.08833751	0.4275853566	-0.4186936575	0.775118859
## 160	-0.377565505	-0.43038156	1.0688353474	-0.3563477881	0.592283272
## 161	-1.944983333	-2.36708506	-0.6098824283	-0.4868167965	1.158535316
## 162	0.782673944	0.14720885	0.8622043457	0.7389111460	0.142972695
## 163	-0.141468866	-0.71433890	0.3777614734	-0.3739692274	0.879475103
## 164	-0.027795369	0.27254230	0.5018741006	-1.3954347814	0.515568222
## 165	1.271612934	1.54019027	0.5959069153	0.2623909872	-0.626173188
## 166	-0.057259480	2.01966466	0.7502946406	-2.2019749388	0.891531171
## 167	0.814118974	0.46245845	-0.0350070109	-2.1887339852	-0.554112015
## 168	1.731901740	1.33418189	0.4665666373	-0.4877010312	1.793197393
## 169	0.638073373	-0.51540067	-0.2422187924	-0.7732036770	0.476810782
## 170	-0.093557954	0.89365089	1.3772361121	-0.0614191516	2.160846306
## 171	1.325732923	0.64034925	0.6520493425	0.2180001611	-0.531689850
## 172	1.663078206	-0.50618498	-2.6361885636	1.0188732387	-0.503866921
## 173	-0.028751519	-0.58513170	-0.1036212017	-0.1149114848	1.541533941
## 174	-1.183114374	0.88073033	-0.2421428164	-0.6242354779	1.226507199
## 175	-0.520998272	1.30185557	0.6751718782	-0.0204250585	0.611492984
## 176	-0.889768342	-1.19772458	-0.3542389555	1.0841512669	-0.785697474
## 177	0.428327532	0.16091227	0.8461776244	-1.2704801428	0.445390580
## 178	0.330200400	0.54735694	0.6408420169	0.4974785194	0.406673807
## 179	-0.327178388	-1.07732704	1.5019317928	-1.2095617529	0.038616729
## 180	-1.314907291	0.61507718	-1.2590648428	0.4950168180	0.307455572
## 181	1.735459079	-0.55701520	-1.3706761234	-0.8367198399	0.347786778
## 182	-0.967952874	1.71167344	2.4664295145	0.7937640970	0.519919422
## 183	1.546051919	0.51637158	0.2460723231	0.5008926412	-0.079700963
## 184	-0.319822510	0.26388591	1.0474069723	0.2033742293	0.144210747
## 185	1.107359274	0.86465921	0.4004052705	-0.9627895220	-0.993597484
## 186	1.188099820	-1.93022731	0.4020103603	1.2834859744	-1.826385117
## 187	1.444289995	-1.64187079	-0.3322874561	0.4899474838	-0.037851598
## 188	-1.744615837	0.05596124	2.4956389451	-0.3063493273	0.379047247
## 189	-0.770312095	-0.08640491	-1.0159697881	0.5494662422	-1.013267698
## 190	-0.363348001	-1.30337653	-0.0526852266	-0.5569296193	-0.271740674
## 191	-0.729199579	-0.65363928	-1.5198752218	0.0932447820	1.386068761
## 192	0.583188848	0.45849544	0.4801786847	-1.2469260687	0.054744020
## 193	-0.210725989	0.83891981	-0.0683541040	-1.0980187211	-0.464887911
## 194	1.773499444	1.82863968	1.3913376332	0.1293005575	1.145876203
## 195	1.084930931	2.22562585	0.1098322969	-0.4483802897	-0.567130130
## 196	1.275760657	-0.96289493	-1.9504565651	0.5324241187	-0.159529026
## 197	-2.206365561	1.28429939	-1.4930673859	0.6549095488	-1.650696751
## 198	-0.557099352	-2.32760677	-0.7085197654	-1.3261626280	-0.806882701
## 199	-1.776933656	-0.62227220	1.3192815260	1.5090338718	-0.060754619
##	V32	V33	V34	V35	V36
## 1	-1.4148532793	0.54505679	-0.125468859	0.11626161	-0.706973697
## 2	0.7327005090	0.27419988	0.511155335	0.53613118	-0.346730435
## 3	-0.3690645572	-0.33806452	-0.614153679	-1.89906414	-0.167651726
## 4	1.6416075345	0.84538657	0.020943119	1.20257701	1.637303094
## 5	0.3329545760	1.30402479	0.733229287	-2.16143375	0.134889546
## 6	-1.2062229805	0.13828058	1.211543462	-0.03749603	-0.954608695
## 7	-2.8394613626	-0.70467012	0.122508082	0.27489403	-0.053706549
## 8	0.6781008437	0.83702366	1.252969020	-0.25169052	0.257515956
## 9	0.3224417657	0.25220599	-0.197550838	0.52996415	-1.720031866

## 10	-0.5577701692	1.44409452	1.779111271	-1.97788933	-0.324163997
## 11	0.9509717578	-0.01079933	2.050244392	-0.07983029	-1.083639676
## 12	-0.3677072951	1.62867065	-1.091252356	-0.19454675	0.501943027
## 13	-0.4253452833	0.39246298	0.617123909	0.35295934	-0.074825822
## 14	0.0663337364	-2.72893586	-0.558782609	0.65204317	-0.188024732
## 15	-0.4496502095	-0.28021813	3.010524320	0.57407491	-0.543006007
## 16	-0.1398173024	0.45538188	-0.921012126	-0.47384084	1.069668619
## 17	-0.0525539596	-1.86430706	2.340692702	0.62076240	1.252354368
## 18	-0.9173691909	1.13127092	-0.565273441	0.54856614	1.516973666
## 19	-1.4951768635	-0.06552553	-1.027440338	-1.13979689	-0.090962481
## 20	-1.0766516418	0.52838581	-0.002058796	0.06722879	-0.097529370
## 21	1.2626636434	-0.68774104	1.296416161	2.04620845	-0.181001491
## 22	0.1249168282	-0.15857818	0.929884345	1.29868149	1.617801849
## 23	1.1338649039	2.13535887	-0.342797472	-1.07344443	-0.859655980
## 24	-0.3542705900	0.76336059	-0.192893326	0.39021165	-1.013222963
## 25	-1.0386344818	2.01788933	1.289449670	1.16358380	-0.979422484
## 26	1.2581689512	1.13740205	-0.097401392	0.56040150	0.062761164
## 27	-0.0200161950	-1.10820442	0.315599599	0.79629420	-0.147715762
## 28	-0.4445515614	0.17145352	-0.338519490	0.36931390	-1.528031900
## 29	0.0846611223	-1.37226451	1.157747582	-1.03818942	-0.829819290
## 30	-1.7113720647	-1.20227538	0.493207812	0.09103878	0.095903184
## 31	0.2228626134	-1.72202218	-0.803632256	-0.40127451	-0.250316018
## 32	-0.0142742041	1.17530433	0.523227394	-1.39539700	-0.510016047
## 33	0.6860032518	2.08700617	1.220993438	0.42956585	-0.373754456
## 34	-0.7256601456	0.90033815	-0.198569035	0.28102064	-1.697581478
## 35	-0.0030939287	-0.17366569	-1.744117827	1.15035237	-0.468115277
## 36	0.4929692687	-1.21753282	-0.641304026	-1.97035381	0.372023843
## 37	1.6541308318	-1.67716279	-0.117349532	1.23188140	0.891175450
## 38	0.8529749375	1.22457696	-0.460458421	2.08503561	-0.624102630
## 39	-0.3972986441	0.68178461	-1.130227830	-1.13307984	0.507415922
## 40	2.9291733038	0.44088101	0.118284970	2.31183077	2.259779392
## 41	-0.3819947174	0.07919225	-0.917935217	1.36919328	0.920206917
## 42	-0.4344713172	-0.91251383	-0.944851175	-0.42199820	-1.940355160
## 43	1.1857494106	0.97639530	-0.332869266	-0.20897166	-0.132258196
## 44	0.7645006357	-1.49827313	-0.658541229	0.59904756	0.298524636
## 45	-0.1309346438	0.39018058	1.820975796	-0.68535684	-0.297606954
## 46	0.6673567267	-0.62601057	-0.668190762	0.55216848	-0.592943020
## 47	-0.9540735907	-1.48219004	-0.569962834	-1.91416919	-0.274742256
## 48	0.4185086242	0.07387744	0.390821459	-1.26125808	1.784814931
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## 50	-0.0068841184	1.24219305	1.726205609	0.25433784	0.967131499
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## 52	2.1553020659	-0.64621285	0.939228493	-0.52797670	-1.460603985
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## 57	-1.9643880944	-0.21117420	2.135220704	-0.59459790	0.459872624
## 58	-0.7752572858	-1.02724153	1.912321271	-0.60940742	-0.734657122
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## 62	0.1369093243	0.09177479	1.572477816	0.13702980	-0.344845328
## 63	0.9994750005	0.20875115	1.163409219	0.18106852	0.782928271

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## 64 0.5523743273 -1.07059145 0.332906166 -1.38317469 -1.010356651
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## 66 -0.7569357710 0.59203768 0.591529880 -0.44039326 0.975087483
## 67 0.8000256761 0.07079776 -0.225569000 2.12286884 -0.545650523
## 68 -0.1041759613 1.33592587 0.766616165 0.32012421 -0.818930149
## 69 0.5531109890 0.97337380 -0.214070222 0.33468713 0.712639517
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## 72 0.2492250506 0.59025766 -1.113581712 -0.27100391 0.711192815
## 73 0.9432419994 0.46318141 0.273772680 -1.44926828 0.805987004
## 74 0.1047103802 1.05380068 0.113891110 0.12304949 -0.284329230
## 75 0.7946019166 0.10385487 -0.438159978 0.79103579 -0.417293125
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## 77 -2.0642321826 1.71192371 0.246973513 -1.59189995 1.130525243
## 78 0.2445655413 0.07838473 0.153126554 -0.29888031 -0.389626688
## 79 0.3135836629 0.83490625 1.372983300 -0.01656567 0.226267166
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## 83 -0.5243738142 1.34946335 -0.370144829 0.76458942 -1.019059223
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## 92 0.7595204933 -1.18683646 -0.547197184 -1.44236326 0.538207477
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## 94 -1.1054084898 1.01639426 0.603338905 0.73868994 -0.282498117
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## 97 -0.2373978254 -1.40996033 -0.155290171 -0.67680153 0.347342940
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## 108 -0.7455865047 -0.68632750 -0.980970528 1.17695774 0.310070568
## 109 -0.5871090510 -0.85273550 1.696698041 -0.17497988 -0.117845697
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## 118 -0.4646987192 -0.39382952 -0.895251359 0.28718075 -0.336352145
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## 146 0.3168306010 0.46182959 -2.267500990 -1.12871400 0.063935814
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## 149 0.0253111004 0.04356378 -0.199536468 -0.73354543 -1.129819469
## 150 0.3638170700 -0.89873664 2.397320799 -1.11820985 0.498190728
## 151 -0.1255838124 0.78878767 -0.482544556 -1.04385528 -1.005353841
## 152 -0.7805635952 -1.44689348 1.444094369 0.37952977 0.895900822
## 153 1.0673900507 -1.94993293 0.017727929 -0.87033228 0.043947111
## 154 -0.5181259023 0.81478617 0.510945287 0.44054758 -0.869820994
## 155 0.4517718643 0.06870322 0.577155645 -0.51047217 -0.860425248
## 156 0.0137802513 -0.35089406 0.291619009 1.94583868 -1.062914255
## 157 -0.1336873458 0.34579817 1.234706107 1.35620593 0.300630370
## 158 -0.7689707945 -0.22766913 -1.273860070 -1.51064661 -0.744517096
## 159 -1.2063497820 -0.15697255 -0.096776474 -0.85797637 -0.477749684
## 160 -0.4729437375 0.65820564 0.714597838 0.55373781 -0.719842345
## 161 -1.3448727173 0.56493338 -0.596719119 0.51998757 0.188171091
## 162 -0.4804460339 -0.73244776 0.176890711 0.43257170 -0.099457467
## 163 -0.1731855501 0.32525911 0.324895393 0.68312460 -1.099987269
## 164 -1.8818920144 -0.57724744 0.698538596 -0.17485401 2.470976795
## 165 -0.4744408491 0.48961285 -2.002053504 -0.33531546 -0.197883311
## 166 2.6809501762 0.29244259 -0.283078830 -1.36419502 -2.591152335
## 167 0.5715901020 0.53641105 -1.252792515 0.68677898 -0.661070717
## 168 1.6468102719 -0.06560746 1.189255306 -0.66926667 0.159686210
## 169 -0.7607525312 0.50313237 -1.319359185 1.90156264 1.729316671
## 170 -0.0809818529 0.14629176 0.938056252 -1.00582091 -0.918173326
## 171 0.6193653883 0.94906611 -1.157577521 2.21384449 -3.263067291

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## 172	1.5597140544	-0.24196235	1.290063113	-2.60830430	-0.385651315
## 173	2.0382351396	-2.96431707	-0.041910572	-0.23853561	-0.009464764
## 174	0.4454975744	1.02672803	1.415195120	2.40437061	-0.154369145
## 175	-0.1669718124	-0.60710900	0.312072113	-0.71450965	-0.158783237
## 176	0.3841881994	-1.80273055	0.207392467	-0.50351891	0.368343933
## 177	0.4438280199	-0.44867736	-0.503120019	0.61761245	-1.502672684
## 178	-0.4866098902	-1.18342823	-0.176137522	-0.20957562	-0.546218205
## 179	-0.6540825192	-0.40009055	0.978405446	-1.34805443	-0.609147573
## 180	0.6054888754	-0.87872662	-1.398318419	1.96239034	1.545297053
## 181	0.9763595699	-0.58950615	-0.240203660	0.57350462	0.242097178
## 182	0.2522471132	-1.74386826	0.046009988	1.01795708	1.750465055
## 183	-0.5178541426	-1.49678001	-1.298824968	1.28089325	-1.350243380
## 184	0.0337384078	0.62847945	0.921045217	-0.17504774	-0.267881253
## 185	1.5132094423	-1.43951747	0.851858309	-0.87933685	-0.726448558
## 186	1.0969008879	1.89711806	0.639551915	-1.71106273	0.451659284
## 187	-1.3065795736	1.03949090	-1.684297159	1.23112473	-0.912962468
## 188	-0.9841940275	0.61050719	0.888662350	0.27105813	0.640748020
## 189	0.8756365635	0.01466637	-0.781822631	-0.14682581	-0.382071539
## 190	-0.5636267717	-1.26924729	-1.579008511	0.87902711	-0.088710638
## 191	0.4400453219	0.66430272	0.910363282	0.12163121	-0.525310933
## 192	-0.0469563101	0.82658993	0.065521774	-0.23496858	-0.527406698
## 193	0.6653402865	1.18921545	-0.647025192	0.52873022	-0.369070694
## 194	-0.0841150417	-0.95092507	-0.555941774	0.22143768	0.559084076
## 195	-0.1065242763	-1.99507293	-0.292446931	1.32954479	1.087776035
## 196	2.0566479202	1.30923400	-0.975167575	-3.28302450	-0.060391713
## 197	0.5693305651	-2.63946762	0.390775455	1.86090274	-0.725679896
## 198	-0.3632518540	1.77454811	0.101732568	0.04768156	-0.038005587
## 199	-1.8432875043	-1.45091716	1.137034497	-1.58913236	0.515107116
##	V37	V38	V39	V40	V41
## 1	-0.475830647	0.243185635	-1.85400278	-1.383719006	1.729104686
## 2	-0.126143550	-0.860945141	0.29373706	-1.032421105	-1.071432212
## 3	-1.363800716	-0.637075938	0.38261674	0.157609128	-2.339405014
## 4	-0.136845371	1.153384496	0.57097639	-1.459802265	-0.379539785
## 5	-0.858692005	1.859470708	-1.92980906	1.758719558	2.511153561
## 6	-0.305718317	0.537562047	-0.16647634	1.188179412	-0.044241355
## 7	-0.256578449	1.150902589	1.65430820	-0.732978577	0.929825217
## 8	0.351112453	-0.713158770	-0.52995966	-0.540875827	-0.891710852
## 9	0.448144617	-0.428668763	-1.78476682	-0.556665118	-0.892039419
## 10	-0.111811157	1.119502658	0.08863999	-2.814193249	1.204648455
## 11	0.820036669	-0.679492961	0.57113908	-0.173988140	-0.077695130
## 12	1.601969691	0.142369774	-1.06450179	-1.207092279	-1.944360867
## 13	-0.327443887	1.797996885	-1.58721301	0.338056275	-0.816333333
## 14	0.266858896	0.370379367	0.01848066	-1.663721321	-1.103753061
## 15	-0.716016491	0.124303980	0.16344317	-0.228902282	-1.263870617
## 16	2.210612326	-0.907380710	0.76804561	-0.270042056	0.623558728
## 17	-1.985883424	-0.434278876	0.39951022	-0.372855140	-0.104990840
## 18	-0.396908546	-1.184921282	-0.35799761	-0.971961159	-0.123593685
## 19	0.644294776	0.032975631	1.04975040	0.691975115	-1.041002682
## 20	1.770184163	0.371089641	0.19653578	0.675562819	-1.134055858
## 21	-0.814754668	-1.595496626	1.03627602	1.404560258	1.776469218
## 22	0.986002435	-0.481224980	-0.97793078	0.300895586	-0.809493131
## 23	-1.204769933	-0.620630708	-0.04237123	-0.318724834	0.688582388
## 24	-0.104763625	-1.013705092	0.41406083	-0.232933577	-0.335877862
## 25	-0.869356218	0.406696737	0.90311427	-0.484052034	-0.572574776

```

## 26 -1.205792241 -0.797311278 -0.77216149 -2.059738713 0.601452894
## 27 0.618684234 1.226873541 -1.29996538 1.478556547 -1.107960094
## 28 1.073142077 0.424608043 -0.30396611 -1.313160002 -0.505380381
## 29 -1.299636554 1.103223011 1.42488056 1.258705965 -1.670518639
## 30 1.370438178 -1.022713304 0.56926575 -2.385827283 -0.687385482
## 31 -0.725458718 1.899932808 -0.53927036 -0.077290050 0.631880691
## 32 -0.571853170 0.892137901 0.57164455 0.057115129 0.812935078
## 33 1.585870680 0.589655968 0.33573314 0.617061887 -0.110923304
## 34 -0.689754483 1.815675229 -0.70453630 -0.838483666 -0.315655849
## 35 0.652570466 -1.210901825 -0.35102817 0.721223431 2.028332179
## 36 -2.308706693 0.919705058 0.27287226 0.528210199 -0.014886208
## 37 -0.026449619 -0.898989760 -1.44784400 0.870635546 1.129023153
## 38 0.334900825 -0.454351436 0.56032060 -0.544502563 -1.177312627
## 39 1.094903824 -0.351640367 -0.63810688 -0.949021323 -0.004714806
## 40 -1.113578596 -0.360688750 -0.04365255 -0.675925347 -0.585060609
## 41 1.497118407 -1.189888392 -0.96267051 -0.193797406 0.376096893
## 42 -0.323236183 -0.443746589 -1.86165978 -0.433999078 0.151013411
## 43 1.519344357 0.053127725 1.10155032 -1.359258251 1.751845603
## 44 0.540658903 0.278262989 0.52047651 1.194682300 0.032290509
## 45 -0.492740943 0.161897691 -0.09736923 1.656325181 0.175101823
## 46 0.322388144 0.167446194 -0.12636589 0.447235699 -1.593758400
## 47 -0.593066375 -0.205244749 1.49971296 0.315805200 1.379925928
## 48 -0.787700614 -0.600256429 0.79148301 0.607802773 0.703585697
## 49 0.368290665 0.569987989 -0.82575598 1.064712171 2.438124399
## 50 0.336592166 0.434178179 -1.82939933 -1.614833970 1.279104118
## 51 0.682499736 0.296140439 0.27360868 0.804189009 -1.049637410
## 52 0.065101277 0.728741295 1.32968152 1.605858917 0.526131758
## 53 -0.735546120 -1.216724380 -0.63236080 -0.125655850 0.042509530
## 54 -1.691301848 0.209308423 0.03351098 -1.197506365 -1.109315800
## 55 0.080533488 0.830703969 -0.58503590 -0.686385465 -0.033188974
## 56 0.249456363 -1.101129926 -1.07374771 0.489345819 -1.241093145
## 57 0.600015690 2.419926822 1.68790623 0.183953758 0.482043925
## 58 1.153075259 -1.566369002 -1.84866634 -0.494822115 -0.454471574
## 59 -1.418996945 0.718841630 0.37920585 0.292519354 -1.115391697
## 60 -0.013787625 -1.412630806 -0.32853403 -0.849682134 -1.472171684
## 61 -0.819718594 -1.470036384 0.45265250 0.040663834 0.047149848
## 62 -0.474009709 0.956137437 0.63191782 -1.191725857 0.564279895
## 63 -1.596253428 0.010154668 -0.69069701 -1.558517617 -0.118878239
## 64 0.947025713 -0.636337875 0.89610539 0.775968949 -0.677592899
## 65 -0.434241635 -0.443529250 -0.27480857 0.291130479 -1.789891483
## 66 0.505621363 -0.615223577 0.63779919 -0.303231443 0.025948245
## 67 -0.254102399 -1.048424907 -1.29844859 -0.694845949 0.684158308
## 68 1.095979824 0.252578068 0.96419028 -0.602891059 -1.555106290
## 69 -1.001424928 -1.152284569 -0.54360210 1.276666320 -0.576930325
## 70 0.453239282 -0.388948365 -1.56377568 2.449718400 0.517557806
## 71 1.471596750 0.192244674 -0.41565210 0.854920811 -0.682733363
## 72 1.214559942 -0.492791461 0.15023989 0.613420897 1.881395637
## 73 -0.676136683 0.348380967 -0.81041856 -0.194371270 -2.339211079
## 74 -0.298229345 2.029510172 1.51793536 0.925656251 0.170259980
## 75 -1.878400671 2.068780593 1.15205430 -2.528656606 0.399784231
## 76 -0.308622091 1.124713971 -0.82412908 -0.291649270 0.293412171
## 77 -0.798017212 0.625392852 -2.70533831 -0.597752277 -0.648749591
## 78 0.822300385 -0.073411729 -2.68570254 -3.223467517 -0.824983078
## 79 -0.190394112 -1.831427534 0.95843911 0.910128015 -0.011451797

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## 81  1.156209123 -1.067361051 -0.57922912 -0.817997210 -0.316418792
## 82 -0.520226796 -0.285415486 -1.98998752  1.136980702  1.962743873
## 83 -0.064204214  1.343339549 -0.30580408 -0.807487431 -1.567679691
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## 89 -0.072591227 -0.597079628  0.13073956  0.860816028  1.524505465
## 90  0.131193197 -1.255066482  1.04768567 -0.762245002 -1.518664484
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## 96  0.600943834 -0.698062860 -0.23681215 -0.349713199  2.171823994
## 97 -0.373488965 -0.508881004  0.97964387  2.133160617  1.862743788
## 98  2.258623358 -0.215829672 -0.33037932 -0.524986518 -0.672842724
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## 110 -0.049299664  0.815335615  0.35893229 -0.201074377  0.483198830
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## 113 -1.317549448 -1.080908071  1.12051408 -0.842743456  1.112559056
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## 115  0.951209972  0.871781520  0.91772770  0.118194322 -0.346882762
## 116  0.788467501  1.218302092  0.74461394 -1.170182097 -0.150519902
## 117  2.034881246  1.532195090  0.70743332  0.335671849 -1.209678861
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## 138 -0.054498546 0.268553334 -1.40032712 0.287792747 -0.074165038
## 139 0.374788022 -0.893633125 1.19757016 1.012594232 -1.025077238
## 140 0.989933637 1.422909911 0.68792785 -0.663202554 -0.948990920
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## 142 0.689983743 0.065412918 -0.90927399 0.835548154 -1.627362486
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## 144 1.442040011 1.365654200 -0.41377480 -0.027519114 -1.105477399
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## 160 -0.070820284 -0.117262317 -0.97849663 -1.336480812 0.249112570
## 161 -0.526630126 0.053945471 -0.34948020 0.958628301 -0.450990740
## 162 0.972404119 1.608229219 0.21563832 0.540064403 0.632825665
## 163 -0.435561688 0.988864598 -0.79297348 -1.515725255 -0.024723608
## 164 1.116126496 0.351603141 0.90518642 1.407822139 -0.270779721
## 165 -1.140824507 -0.015127164 0.11259932 1.265305335 1.023665694
## 166 -0.783478528 0.947569929 -0.71306145 1.263991120 -0.416975060
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## 168 -0.426414021 0.726852472 2.06392896 1.431955826 0.394965233
## 169 -1.711915796 0.607859798 0.31981047 -0.696107871 0.474815777
## 170 -0.438761778 -0.298384218 -0.37026482 -2.007832189 0.175308245
## 171 -0.529022891 1.153414053 -0.41113249 -0.052034872 0.769963528
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## 175 -2.134229410 -2.169675948 0.63046361 -0.869375039 0.704156865
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## 179 -0.571049853 0.416043662 0.38202076 0.123844730 -0.367010510
## 180 -0.696893785 -0.081609832 -0.85665146 -0.124483834 0.430343651
## 181 -0.611871370 0.365194095 0.97910916 0.110807175 -1.387449764
## 182 0.075730299 0.066986026 0.25562021 -0.027054565 -0.550538763
## 183 0.585660977 -1.467204629 0.52055725 -0.917826061 -0.707320106
## 184 0.344723617 0.034174314 -0.38566296 1.398828888 0.103902235
## 185 -0.221353554 -0.653430810 0.18322157 1.778100704 0.314007219
## 186 1.220898297 -1.409382239 0.91194318 0.732418059 1.185128954
## 187 0.527485690 -1.174751175 -0.19334166 1.061634434 0.900927094

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## 188 0.113735317 0.731717101 0.11780103 -1.982142991 0.481369463
## 189 1.185917682 -0.312136038 -1.66196627 0.787710540 -0.520574024
## 190 -0.995905629 -0.918461010 0.19758465 0.420396402 -1.083019027
## 191 -0.056276470 -1.178205263 1.28152292 -1.113183351 -0.969909232
## 192 0.913940125 -1.329895667 -0.18234104 -0.609516016 -0.407112756
## 193 0.753054680 -1.022277578 -0.61316723 -1.039863681 0.178256264
## 194 0.376759947 -0.058302018 -1.09980143 0.859891389 -0.455114466
## 195 -0.309679255 -0.178998936 -0.53433251 -1.057572894 -0.881005112
## 196 0.375981412 0.643779159 -0.63030755 0.355402946 -2.559810691
## 197 0.179892913 -1.481966226 0.49182531 0.546763127 0.296481561
## 198 -1.774747061 -1.489220917 -0.30508056 -0.072095039 -1.427860220
## 199 -0.630603855 0.439216635 -0.12173447 -1.102002313 -1.017286588
##      V42      V43      V44      V45      V46
## 1 0.063267877 1.266772e+00 0.9232230941 -0.798468616 -0.437800672
## 2 0.073908505 5.951372e-01 0.7543405020 0.056374219 -0.856691006
## 3 0.494699063 -3.249477e-01 0.6326255394 -1.468087858 0.260786653
## 4 1.648370335 -1.920003e-01 0.5691990465 -0.817340900 -1.062408040
## 5 0.455342959 2.495737e+00 -0.0050856834 0.440775362 -0.102652410
## 6 0.138138978 -6.545460e-01 1.4302162697 -0.151892173 -0.039133051
## 7 0.866037084 -2.507871e-01 0.1430575764 0.136350542 -0.607813688
## 8 -0.935726037 -1.159025e+00 -2.0982035483 -0.434833870 0.469640843
## 9 0.337362789 -8.367772e-02 0.0061443762 -0.995460277 0.400629147
## 10 -0.089282804 -5.210586e-01 -0.0973446496 -0.932840895 -1.679689958
## 11 -0.558946155 1.557317e-01 0.3144776613 -0.316739100 1.820396142
## 12 -0.474476827 2.344996e+00 -2.1859787902 -1.052124814 -0.784959837
## 13 0.419133662 -4.398921e-01 1.7733164547 -0.620692716 0.770853245
## 14 0.190095258 -5.067955e-01 -0.1542314300 0.549955400 -3.038071862
## 15 -1.243206411 -1.112132e+00 1.2355067752 2.385888439 0.069739739
## 16 -0.043997710 6.123689e-01 0.4337126614 1.149615978 1.006058157
## 17 0.527971309 -7.957331e-01 -0.8097288725 0.795848863 1.900364679
## 18 -0.714870566 -1.407044e+00 1.0717343053 -1.519552545 -0.104643137
## 19 0.937032200 9.922164e-01 -0.6740918723 0.552540773 -1.284157247
## 20 0.286260033 -1.158542e+00 -0.3836938045 -0.159151807 0.568232914
## 21 -1.105462670 -1.460085e+00 1.1489669983 -0.343206161 -0.287729919
## 22 0.156534032 4.256523e-01 1.1778583993 0.805257169 -0.380760837
## 23 1.022197899 -5.961290e-02 1.3111644087 -0.383328096 0.484487874
## 24 0.936471639 -1.528388e+00 0.6518055651 -0.146144937 0.573196819
## 25 1.959819930 -5.648453e-01 0.3257825631 1.658407208 -0.167308878
## 26 0.129187013 5.179570e-01 2.2814156540 -0.200970806 -0.237115443
## 27 1.284912281 8.470057e-01 -1.0866946062 0.793920478 1.882900758
## 28 0.390188701 8.633622e-01 -0.6308771843 0.860410417 1.133806708
## 29 -1.425559743 7.223797e-01 0.5209047577 0.249484153 -0.293417829
## 30 -0.353633047 -2.067842e-02 0.8585556276 -0.391425445 -2.170846036
## 31 -1.055234450 5.817707e-01 0.1509544791 2.302217994 -0.005823734
## 32 -1.790598657 6.081215e-01 -0.2032365538 0.093830138 -0.454618201
## 33 1.014346843 4.601803e-02 -0.0816359726 -1.287382885 0.395693349
## 34 -0.163022341 1.003412e+00 -0.0618727296 -0.447382120 -0.121900410
## 35 1.901404808 -2.025710e-01 -0.7771494484 -0.281304452 -2.356951665
## 36 -0.154559704 -5.874384e-01 0.3839014559 1.605518494 -0.307444165
## 37 -0.428826304 -4.974498e-01 -1.0947196805 0.213421466 0.104290975
## 38 -1.934005543 3.530500e-01 0.9908299564 -0.636092203 -2.070366540
## 39 0.047967173 -1.427415e+00 0.1682993151 1.606239234 0.553382384
## 40 0.743265295 2.208452e-01 -0.6197796650 1.679550861 1.172726313
## 41 -1.049282956 -2.946171e-01 -1.0131076437 -0.642117946 -0.437175287

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## 42  0.558454813 -6.274298e-01 -1.2854395916 -1.239818224 -0.458083564
## 43 -0.086889068  2.877720e+00 -0.1099299616 -0.474542609  0.471860855
## 44 -1.661355110  2.074816e+00  0.2450052708  0.118246621  0.195283320
## 45 -0.930629081 -9.844821e-01  1.8720487920  1.483653360 -2.656377046
## 46  0.254363971 -2.062296e-01 -1.2271624568 -1.160833765  0.136391475
## 47  0.068475628 -1.371832e+00  0.8676022358  0.357179601 -1.095947772
## 48  1.130588229  1.793216e+00  1.9866896693  0.955299052  0.081750273
## 49  0.538171353  7.075811e-01  0.4658910444  1.308998891 -1.080175129
## 50 -1.963597092 -2.668024e-01 -0.4331997026 -1.126140583 -0.756015098
## 51  1.107299918  6.548603e-01 -0.5263003033 -0.551354352  0.723494284
## 52  0.395402141 -1.945559e+00  0.0565731759  0.108648092  0.843748113
## 53 -0.712240500  2.302952e-02  0.3690224519 -0.650051298  0.078689765
## 54 -0.728074423 -9.877608e-01  0.8908700058  0.997377695  0.951555820
## 55  0.171614453  5.136689e-01 -0.7988329745  1.462389298  1.676222689
## 56 -0.738732022  5.635311e-01 -0.8540020114  0.417289614  0.345967148
## 57 -0.995981485 -5.672183e-01  0.6865027380  2.595261130  0.156850276
## 58  1.171977064 -4.180596e-01 -0.0365299371 -0.705589180 -0.490949753
## 59 -1.633091884 -5.369075e-01  0.5321208634  0.006282722  0.282625260
## 60  0.117502617  5.989510e-01 -0.6565272225  0.485648475 -0.364744203
## 61 -0.748594092  1.484779e-01 -1.4442060592 -0.955756031 -0.212897060
## 62 -0.784335656  9.035622e-01 -0.3369174421  0.102757923 -0.090739025
## 63 -0.110168688 -2.990098e-02 -0.0004212945 -0.097627006  1.174193500
## 64  1.806956668 -9.434817e-01  0.1229063438  0.016106399 -0.391808010
## 65 -1.064571897  1.192397e+00 -0.4691152495  0.588025729  2.242424151
## 66  1.063859881 -1.291889e+00 -1.3109229985  0.572932600  0.187999956
## 67  0.818161310 -4.871536e-01  0.4020241643 -1.089630994 -1.504196530
## 68 -1.864235047 -3.605559e-01  0.9252970643 -0.079113240 -0.538361636
## 69  0.799041066  3.191882e-01 -0.0428791723 -0.155773083  1.844546623
## 70  0.557461858 -6.196877e-01  0.1209017680 -0.340290601 -1.423335106
## 71  1.640454968 -7.626688e-01  0.3933547773  1.603059279  0.039721357
## 72  0.878007230 -1.309600e-01 -0.6440012259  1.838275414 -1.353898983
## 73  0.319230938 -1.721093e+00  0.6005001120 -1.300360662 -0.768773633
## 74  1.340881432 -1.210233e+00 -1.0054663657 -0.916215642  0.184096342
## 75 -0.433270534 -2.160320e+00  0.2903220384 -1.837137318  0.611309371
## 76  0.368800787 -9.041549e-01  1.2454650040 -0.918310236 -1.120582805
## 77  0.983346766  1.330497e+00 -0.9004021210 -0.994177229 -1.143452173
## 78 -0.379588469 -1.866204e+00 -1.0134708081 -0.755841651  0.483052897
## 79 -0.693924666 -2.524559e-01  0.4902924062 -0.634665456 -1.815808143
## 80 -1.356543698 -1.125905e+00  1.8714424388 -0.633069602 -0.032989575
## 81  0.112872771  1.246289e-01 -1.2664842677  0.029310311 -0.028433207
## 82  0.886820961 -9.838690e-02 -0.6964539651 -1.096072658  0.150134720
## 83  1.179404942 -2.444220e+00 -1.8479754070 -1.714903863  1.226243408
## 84  0.851819221 -5.746847e-01 -2.3493517836  0.386848004  0.759363368
## 85  0.020536769 -1.686692e+00  0.3273771045  0.065323726 -0.369249961
## 86 -0.039431979 -5.298128e-01  0.8842870771  0.146085407  0.389579662
## 87 -1.140605331 -5.858372e-01  1.0080344955 -1.674878599  0.961341831
## 88  0.381718910 -7.693067e-03 -0.0374065195  2.068168137  0.828376846
## 89 -0.122801438 -7.061816e-01 -0.5555022773  1.810148541 -0.829843639
## 90  1.570604964 -7.440040e-01 -1.0888817696  1.080613430 -0.213477460
## 91 -0.254644775  3.051388e-01  0.5934590206 -0.676803643 -0.176724326
## 92  0.878219176  1.122136e-01  0.6472165110 -1.748692013 -0.332281925
## 93 -0.665370133 -6.249378e-02 -0.7751454745 -2.461924905 -0.304557440
## 94  1.598248197 -5.252554e-01 -0.5430581660  0.625074968  1.498083772
## 95 -0.421635444 -2.929457e+00 -0.5648666558 -0.680579225  2.259687807

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## 96 -0.336197627 7.827376e-01 -1.1471224514 0.461143510 -0.306790952
## 97 0.172821426 2.570908e-01 -0.5225151666 -1.067564573 -0.674857258
## 98 1.548554035 -1.208794e+00 0.2963868792 0.156807503 -1.215023471
## 99 -0.712874248 2.149168e-01 1.2857999592 0.911175509 -0.058592186
## 100 1.361612001 1.266418e+00 2.9597012539 -1.414281308 0.246275518
## 101 2.069637504 3.026832e-01 0.1800816827 0.040996387 0.123901390
## 102 -1.456214854 2.050649e+00 -0.1909771371 -0.978250797 -1.790128421
## 103 0.020193987 -1.712300e+00 -0.3778091228 1.403763445 -0.136629201
## 104 0.228303513 1.224301e-01 0.3548044496 -0.017890197 0.631001968
## 105 -0.994637507 -1.811168e+00 0.6771214133 -1.376050520 -0.300604898
## 106 -2.143114067 4.657775e-01 1.3502575616 0.523958320 -0.545987265
## 107 1.830080432 1.022633e+00 -0.9066712931 0.308757405 1.093256999
## 108 -0.587295612 2.250464e+00 2.3601649797 1.557643320 0.019103732
## 109 0.915147074 -3.299989e-02 0.1193863883 0.837750271 -0.101076322
## 110 1.107980110 -5.332360e-02 -1.7437336611 -0.512537436 0.348420163
## 111 0.532569947 2.056765e-01 0.6820056825 -0.134749283 0.719530324
## 112 -0.434074788 -1.619121e+00 -1.2055887711 -1.460100290 -0.219218882
## 113 0.760758413 -3.185980e-01 -1.6497734936 -0.207388900 0.320001308
## 114 -1.893557514 -9.200492e-02 0.2786284740 -0.486789069 0.665953735
## 115 0.037088769 -1.077712e+00 1.4175819699 -0.354411062 0.543623517
## 116 0.220698009 -1.156898e+00 -1.8618498793 -0.292975482 -0.921936251
## 117 0.018555847 -7.873493e-01 -0.6784354043 -0.334501287 1.145176667
## 118 1.556167664 -5.837169e-01 -2.4740286899 0.040375678 2.380193029
## 119 -0.006311874 -1.598673e+00 -0.2452030291 -0.080611221 -0.788028026
## 120 0.117942611 -7.957456e-01 1.5751759580 0.028655709 1.544053189
## 121 0.228281405 8.835819e-02 -1.2206391632 -0.666184700 -0.777180113
## 122 1.456449790 8.573890e-01 -1.2584368641 0.212750852 -0.390664423
## 123 -2.314736659 -3.959600e-01 0.5804806996 -1.235628882 0.124503133
## 124 -1.076709277 1.109109e+00 -0.7812660806 0.401116863 -0.268591437
## 125 -0.843202193 5.134254e-01 1.7484837910 0.293604431 0.617817811
## 126 0.496353866 5.333925e-01 0.2121383956 0.769382051 1.143383258
## 127 -0.364172411 3.164683e-01 -1.8004699520 -0.956152133 0.297882209
## 128 -0.091255340 -7.331928e-02 0.0547399466 -0.234146368 -0.361783891
## 129 -0.153441027 -3.502330e-01 -1.2580841513 0.952584097 0.141459986
## 130 0.596864168 -9.176735e-01 -1.1594871392 -0.335946280 -1.365914752
## 131 0.091481005 9.518449e-05 -0.3940815847 1.306426631 -1.131141944
## 132 0.478405641 9.824336e-01 -0.4362494596 1.189541662 -2.166235216
## 133 -1.642044940 1.541015e-01 2.1116327505 -2.014753076 1.439623660
## 134 0.231863831 -1.077915e+00 0.4932074117 -0.811047175 0.460732356
## 135 -1.131108589 -3.588353e-01 0.2562922532 -0.038213884 0.825617733
## 136 -0.239825394 2.755811e-01 -0.0921891120 -0.334096903 -0.653173483
## 137 0.823164476 6.529793e-01 -0.9583589519 -0.169225041 1.479876450
## 138 -0.653297805 -6.213526e-01 0.4304942383 0.410080760 1.303838183
## 139 0.409464717 -9.837397e-01 2.3212256349 -0.220038473 -0.139443822
## 140 -0.764116032 9.069524e-01 -0.8516439361 0.964938088 0.703674517
## 141 0.514840700 1.502736e+00 1.0193134775 -0.924076937 0.874594517
## 142 1.385741207 -1.121823e+00 -0.9358074368 -0.304330696 0.784154035
## 143 -0.537470751 4.478348e-01 -0.5922875038 -1.795986281 -0.658411428
## 144 1.028076944 7.779190e-01 1.2789038142 1.472224072 0.024649433
## 145 -0.656151212 -3.675014e-01 -0.8695475583 -0.525710115 -0.187027724
## 146 0.984296395 1.631553e+00 -1.4661959253 0.513652879 -1.989467291
## 147 -0.229702481 -1.799805e-01 -1.2603953985 -0.995041532 -1.707303925
## 148 -0.520187828 -5.575671e-01 -0.6921541651 -0.886427647 -1.531262741
## 149 0.389586571 1.742807e+00 0.0967535881 -0.760603620 0.152003534

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## 150 -0.003701371 -1.129040e+00 -0.0753476185 -1.728572747 1.062073310
## 151 -2.291790191 -1.131823e+00 -2.0632646526 -0.216841413 -2.306940871
## 152 -0.582107283 2.141843e+00 -0.7550053829 1.721545942 0.358617424
## 153 0.038762887 4.136320e-01 1.5882172326 -1.430144498 -0.995165819
## 154 0.894224325 -2.877015e-01 -1.4778119839 0.750817261 -0.116498534
## 155 0.322318442 -1.464031e+00 1.5685521578 0.791259548 -1.157349830
## 156 1.279882144 -2.425450e-01 -1.4132029912 -1.681331443 1.255740799
## 157 0.510811859 1.242663e+00 -0.8266140749 0.664744409 0.055831758
## 158 0.973328630 1.337149e+00 -0.4385074103 0.828264430 -1.465535320
## 159 1.114374197 -3.472845e-01 -0.4623996520 0.987692607 -1.448707460
## 160 -0.240436082 2.571219e+00 0.5488884432 -0.317850960 -1.724701125
## 161 0.833912174 7.174081e-01 1.1868122359 -0.225134879 -0.365482977
## 162 -1.921708994 -2.880993e-01 0.0494877494 0.036169409 -0.411760355
## 163 -1.035206238 7.923628e-01 -0.0949760460 -1.213495772 -1.256669030
## 164 -0.214098701 4.159120e-01 0.1063702740 1.747022108 0.332740632
## 165 -0.542085148 -1.379665e+00 0.5727425303 -0.378936820 0.610284944
## 166 -0.816113361 -7.477051e-01 -0.9754974875 1.933503051 0.303179774
## 167 1.706684911 8.578200e-01 -0.9392772264 1.124611241 0.444347443
## 168 -1.121372716 -1.241326e+00 0.6022221402 -0.892711213 1.232924524
## 169 -0.659155477 3.453859e-01 -1.6431077859 -0.474542233 -0.721712108
## 170 -0.987249561 -7.420406e-01 1.3730778669 -0.689630503 -0.496752861
## 171 -1.213854998 3.903211e-01 -0.3283464485 1.282265321 0.655295282
## 172 -1.415658526 2.584903e-03 0.6556470097 -1.022237360 0.410003757
## 173 -0.201131473 8.761014e-01 0.7384427482 1.447217949 -0.214572462
## 174 -1.349516726 2.015122e-01 -0.3189798750 0.233977824 0.867367604
## 175 0.633512574 -1.665584e-01 0.5738098500 -0.441362269 0.224815001
## 176 2.235438051 9.867180e-02 -0.8014482379 1.341186323 0.536322132
## 177 1.319989491 -4.296699e-01 0.1559588283 0.366967475 -1.134133963
## 178 0.153842081 2.380998e+00 0.7446041354 -1.030063196 -0.896048680
## 179 -0.605808893 8.779343e-01 -1.9521888871 -0.939213249 -1.139331596
## 180 -0.794276720 -9.026607e-01 1.1194180958 -1.109435153 -0.305755599
## 181 -0.668995900 -1.251650e+00 1.3740620809 0.193252674 1.993970405
## 182 -1.039533703 -7.938560e-01 0.2372540243 1.949871361 -1.556020411
## 183 -2.057312686 -1.592221e-01 -0.5416567651 -0.304701674 0.583573702
## 184 1.555141889 -1.258734e-01 0.2658739595 2.449750048 1.361468035
## 185 -0.092182682 4.539240e-01 -0.5216296408 0.482045827 0.483333251
## 186 0.091033001 9.481311e-02 0.7897503331 -0.031201034 -0.632470651
## 187 0.269713892 -1.553658e+00 -2.0173340535 -0.019555254 1.085110321
## 188 0.095122421 1.006448e+00 0.2597633902 0.934055714 0.820242700
## 189 0.950056648 9.480572e-01 1.1036536293 -1.162340130 -1.609818623
## 190 -0.907344995 1.491321e+00 -0.1241120475 -1.013104418 0.764222427
## 191 -0.810960618 -8.953548e-01 -0.8996970740 -0.751681205 0.848557181
## 192 0.571224941 1.410321e+00 1.3222510214 -1.373257737 -1.117925200
## 193 -0.469015770 1.818192e-01 -0.1763364284 -0.387061405 0.880006851
## 194 -0.257648074 1.916339e-01 -1.3541454052 -1.510626360 -0.250091644
## 195 0.983101734 -2.596486e-01 0.3659025310 0.527927633 -0.490568935
## 196 -1.161346241 8.654571e-01 -0.1622222511 0.986604538 -0.470331382
## 197 -0.202566630 -1.068839e+00 1.0728303301 -1.109293717 0.249198356
## 198 -0.815919615 -1.515802e+00 -0.9941697128 -0.439011784 0.801011211
## 199 0.509994679 4.139030e-01 1.1926326878 0.383561049 0.234043499
##          V47          V48          V49          V50          V51
## 1 0.242475426 -0.756619744 1.717974984 -1.908542490 1.548079403
## 2 1.687686918 -0.896858584 0.457066996 -0.059738100 2.039634111
## 3 0.789151673 -0.093933898 0.694378435 0.625469533 0.466133998

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## 4	-0.765343066	-0.569878073	1.454993561	-1.314266855	-0.847886445
## 5	-1.536479431	1.086963100	0.699583287	0.915040495	0.589125228
## 6	-0.091971292	0.767616657	-0.467052726	-0.375321400	-1.271493799
## 7	-0.783975413	-1.152729352	-0.833501215	-1.939169701	-1.385089040
## 8	0.357802227	0.084313792	-0.983316196	0.316823518	-1.449414962
## 9	-0.631641818	-0.002435791	-1.145451009	-1.174676444	-0.648580872
## 10	-0.392624278	-0.208256498	1.007930549	-0.069897806	0.840810415
## 11	0.783449218	0.448965627	-0.709203285	0.178371932	0.091522817
## 12	0.737936678	-0.169402210	-0.957385393	-1.093646227	-0.131294168
## 13	-0.342590470	-1.298756975	0.225596246	-0.968694441	0.606296901
## 14	-0.077504310	-0.460693513	0.285715065	0.571925586	-1.721746971
## 15	0.665513678	-1.605575350	-0.574174942	-0.599253098	-0.170329951
## 16	1.197728089	-0.862166949	-1.300259500	1.347450006	0.606833631
## 17	0.108120641	1.384128057	-1.166659557	1.791628735	1.899092751
## 18	0.109302071	-1.630961998	1.075286162	1.138593113	-1.477876713
## 19	1.240142125	-0.005605342	-0.157757214	0.063239692	0.081485182
## 20	-0.416765128	-1.414350939	1.558476600	0.395749545	-0.897709618
## 21	-0.136192277	-1.297410113	-0.590506990	-0.115973037	0.407580254
## 22	-0.230824617	-1.176978063	-1.279829997	-0.376140615	-0.778390978
## 23	0.397306333	-0.875033359	-0.140257494	0.950811360	1.093021606
## 24	0.289790141	1.257531292	-0.904442352	0.391860367	0.900464791
## 25	0.804411394	-1.797112350	-0.337635439	0.728978494	0.665978038
## 26	-1.146448107	0.525043402	-0.332367541	-0.741358015	-1.171041412
## 27	0.490327478	-0.228258883	0.583118548	1.360446637	-0.388365330
## 28	-1.140272439	0.320682635	0.431508961	0.497294754	-1.227548817
## 29	-1.070104013	-0.311080475	-2.063957158	1.689006562	0.989175933
## 30	1.482199209	1.641124338	1.148311351	0.172572323	-1.971091272
## 31	1.325314648	0.262308703	0.368536056	0.198176068	-0.564643870
## 32	-0.414812833	-0.674959680	-0.629554680	-0.203038351	0.753799713
## 33	-0.758486338	-0.799415365	-0.177629074	0.227922230	-0.513413956
## 34	-0.232330259	-0.179462715	0.836454448	0.303841569	0.425447311
## 35	1.592125887	-0.091989071	-0.113441043	0.015952546	0.459017519
## 36	0.679502061	2.734518297	1.640196745	-0.702675038	1.477695250
## 37	1.154297202	-2.023665186	-1.850748029	-0.104193583	-1.407038188
## 38	1.542511294	-0.354440497	0.975358957	-1.273814988	0.532480918
## 39	-0.940178911	0.129714576	0.031830598	-0.479590018	-1.257432499
## 40	1.638808473	0.034728527	0.052632277	0.926826176	0.215000556
## 41	-0.989397577	-1.447746894	-0.504180418	-1.068010904	1.112434959
## 42	-0.431398881	0.768509476	1.392581802	0.094912930	-1.442241715
## 43	-1.067898790	-0.597927633	0.105954279	0.474308691	0.128067058
## 44	0.049128580	1.501731703	-1.168986478	1.511991236	0.784447630
## 45	-1.051436967	0.421840234	-1.045864937	-1.653297458	-0.917090358
## 46	1.044713008	2.953915100	-2.104991112	0.775340345	1.229280074
## 47	1.421263224	0.828120522	-0.664694302	-0.511976026	-0.756868750
## 48	-1.074132844	0.474793773	-0.891713305	-0.781298408	-0.275341991
## 49	1.084821871	0.703546152	-0.005015982	-0.646503945	0.193049875
## 50	-0.484179986	1.230811883	-0.599955248	-0.391812878	2.422374474
## 51	-1.096410686	0.370399286	1.822236825	-0.222231010	1.269228959
## 52	0.397773267	0.140810043	1.381150025	-1.294553369	-0.620304449
## 53	-0.753303932	0.610879992	0.337302335	1.335369015	2.818669091
## 54	-0.434335726	0.414365006	-0.304572007	-0.202378185	-1.435547389
## 55	1.066080976	-1.403771440	0.334948349	0.726376116	1.857423568
## 56	-2.389306856	0.731278743	-1.920195634	-0.498113667	-0.235772551
## 57	-0.092541334	0.478196666	0.146776241	-0.555275731	1.788206337

## 58	-0.373984305	1.177872788	0.661290488	-0.024933699	-0.665633126
## 59	-0.961457872	1.948158475	-0.672655918	0.600812156	-0.743737750
## 60	0.188760328	1.262115132	-0.734550202	1.300037546	0.181545040
## 61	0.427126168	-0.337765264	0.432411426	0.260571620	0.029562623
## 62	1.267257516	0.488122394	0.823667335	-0.412704943	-0.058452321
## 63	0.652469046	3.209650606	-0.653041798	-1.160307507	-2.035121610
## 64	0.776050648	0.210564088	-0.416324305	-0.482023394	-1.379710993
## 65	0.190302791	0.049316622	0.438799794	0.820486375	1.157096627
## 66	-0.441226226	-0.376657725	-0.952929100	1.098414074	1.496379948
## 67	-0.005221132	-0.015019391	1.219189066	0.660745222	-1.012258180
## 68	0.454807438	1.606141950	-0.178000497	0.016560509	2.456850958
## 69	1.053936951	0.928127782	0.681943862	0.129862389	-0.102805419
## 70	-1.723068476	0.436237095	-0.266147556	-1.432325100	0.070835794
## 71	-0.118004185	0.160612359	0.212252523	-1.595025302	0.224927462
## 72	-0.554284940	-2.291355709	-0.141848100	0.494778419	0.963688889
## 73	1.812683177	0.024899872	0.560536958	-0.836108473	0.616911075
## 74	0.549311404	-0.683763784	0.420746994	-0.945258390	0.031848882
## 75	0.518270081	-0.341597957	1.437625243	-0.771477951	0.015166002
## 76	0.960305208	1.857519207	-0.986228110	0.887772030	-1.175302126
## 77	0.722320956	0.355895188	-1.332762788	0.242896413	-0.974999293
## 78	1.181693944	-0.789263877	0.619137004	0.472412644	-3.681934996
## 79	-1.538846383	0.390329782	1.593981608	0.826189412	-0.819018998
## 80	2.041937739	0.018677904	0.799553731	-1.531108760	0.106623071
## 81	-1.050073974	-0.542130885	-0.654295297	1.392433455	-0.550903394
## 82	-1.119777712	0.477436035	-0.374554011	-0.918510983	-0.657899577
## 83	-1.890472325	0.641840410	0.064225213	-0.961383135	-0.520104793
## 84	-1.326420240	1.194243179	-0.641553134	-0.193407924	-0.604877887
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## 86	-2.126183120	1.458768322	-0.315648383	1.113726067	0.420227605
## 87	1.705418570	0.403207049	-0.006788191	0.772128575	0.048972881
## 88	0.532869256	1.317033074	-0.282830176	0.527507422	-0.788758739
## 89	0.559947764	-1.020534973	1.543081284	-2.384758182	1.276129370
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## 91	0.988700312	1.161253572	0.359358302	-0.231564056	0.499726256
## 92	0.534568604	-0.930735963	0.694013063	0.458550517	1.430391085
## 93	-1.383127295	0.460986683	1.642062927	-0.167822171	0.353743253
## 94	-0.548031809	-1.044675195	-1.734733706	2.317438146	1.359499637
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## 97	-0.157899586	0.303495990	1.108945969	-0.887108974	0.567709108
## 98	-1.324163106	0.040163134	-0.029044674	0.063486834	-1.124257770
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## 100	-1.663273045	-0.405132443	1.655702305	1.250294687	1.156813597
## 101	-1.101673247	0.947420416	1.498458809	0.301649165	0.136431848
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## 112 0.318783814 -0.401931353 0.749146772 0.864348317 -0.732319213
## 113 1.786831037 0.114966919 0.822736101 -0.064765185 0.506523400
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## 130 1.577567512 -1.675332268 0.301311042 -1.032702385 -0.705736757
## 131 -0.235433968 -1.016177728 1.211058327 -0.035119842 -0.749959649
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## 156 0.902597485 -0.059614353 0.929799011 -0.502463297 -0.889874908
## 157 0.490655661 -0.669978132 -1.933385637 0.208882966 1.603074817
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## 160 -0.009604947 0.162306091 0.239093637 -0.060916903 0.107516148
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## 163 -0.572540983 -1.495558798 0.802344187 0.013204425 1.258882309
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## 171	-1.023050418	-0.333935534	-0.575546958	1.045294623	1.014780969
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## 180	-0.199313788	0.839422982	0.634256968	-0.651035944	-0.416596335
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## 186	0.543970010	0.907060747	-1.221793414	1.606896322	0.205195015
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## 188	-1.280523144	0.726513607	1.674238212	-1.546446902	-0.663370971
## 189	0.234718005	1.054170685	-0.864739770	0.981326770	-0.717217408
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## 193	-1.438569002	1.109925767	-0.656700035	1.205902252	-1.221548659
## 194	-1.741565974	-0.887628496	-0.591784644	0.552235941	0.133520665
## 195	-1.244046981	-1.187303281	-0.876202200	-0.001774436	0.405100218
## 196	-0.160294428	0.264287811	0.306755988	0.061002332	-0.267843604
## 197	0.377133867	-0.171274256	0.170475902	-0.508264231	-0.049864520
## 198	1.507585490	0.378328922	1.765817749	-0.330236434	0.528155026
## 199	-0.018469045	0.505109282	0.525793241	-0.627204385	-0.908879804
##	V52	V53	V54	V55	V56
## 1	-0.5383730740	1.311040664	0.507155168	1.097279842	0.72677520
## 2	-0.2982382866	-0.178416840	-1.520549193	-0.585431094	0.69309002
## 3	1.3040193339	0.092324217	0.708712933	0.960749826	0.08618380
## 4	1.3313776121	0.419795041	1.329157468	-1.553573289	0.10367176
## 5	0.0579093580	0.103528619	2.136211962	1.927332914	-0.16300979
## 6	-0.1413343157	-0.579579109	1.398243067	-0.815295631	-1.57377724
## 7	1.4037142976	0.625724436	1.701781481	-0.836544305	1.39703841
## 8	-1.4366466604	1.101727719	-1.015395753	0.337015846	0.42594098
## 9	-1.5933786061	-1.446679594	1.504178601	-0.758340989	0.13372565
## 10	0.2531327043	-0.769925293	-0.877151837	0.331059102	-0.06252314
## 11	-1.7662982978	-0.275791070	-1.620147979	1.777499934	1.94787786
## 12	0.6611074894	0.344734078	-1.880649668	0.003892745	-1.86480383
## 13	-0.4013717107	0.725792559	0.778037110	0.901898122	0.67349465
## 14	0.1791867492	1.378912559	1.056952524	-0.645301207	0.83009668
## 15	0.0451328863	1.340017974	0.783948045	1.736645855	-1.68041450
## 16	-1.5588030073	1.315702334	-0.268340159	-0.098683115	-1.16672629
## 17	0.4586246211	0.739993008	-0.355489382	-0.281684382	0.03863635
## 18	0.0567930097	0.416082758	-1.068052439	-0.071252593	-3.05827508
## 19	1.2569083726	0.331033226	0.005618896	-0.420223173	0.74906079

## 20	-0.5739626068	0.419362663	0.297723762	0.504269024	0.63777451
## 21	-1.4655342021	-1.211588416	-2.929292779	0.452982991	1.21517503
## 22	-2.7592313392	-0.367788957	0.980450052	1.972672713	0.44532554
## 23	0.5433653549	0.689327488	-0.990092788	0.426533252	0.71204109
## 24	-1.7992382845	-0.861914237	-1.604810459	-0.986764814	-0.86342501
## 25	-0.1582669764	0.572530335	2.997102824	-0.594535401	0.10489011
## 26	0.3651901744	1.963891409	0.442711556	0.137814080	-0.75368620
## 27	-0.1529221550	-1.278181523	-1.243098315	-0.508228375	-1.21352274
## 28	0.6433934915	0.288783752	-2.099987006	0.217460415	0.08814028
## 29	1.5342652241	-1.272423777	0.406958628	-0.631220446	-2.38318768
## 30	0.9754245727	1.035991140	-1.230890323	-0.603489244	-0.04289944
## 31	-0.5446733734	0.615281736	-0.450423177	0.621018808	-0.89163022
## 32	1.3918106620	0.837735799	0.386761186	-0.742165502	1.78370211
## 33	-2.2964474188	1.463689202	-0.170914456	-0.181431439	-1.01211771
## 34	-0.8550464485	1.609298170	1.726178838	1.200074516	0.62142827
## 35	-0.9552399258	-0.734011071	0.164537370	-1.001739870	0.54819331
## 36	1.4548384710	1.072439039	-1.669244736	-1.375797562	-0.42681894
## 37	-0.5783766624	0.609168719	-0.378607280	-0.727301958	-0.29245431
## 38	-0.3371838853	0.362869319	-0.143656212	0.088634340	1.39101304
## 39	0.0785804529	1.212077732	0.792392863	1.946057331	-1.12153720
## 40	-0.2279284880	0.503453053	-0.199998484	0.696686237	-1.52735899
## 41	0.4595126037	-0.829682557	0.594652904	0.648293807	0.13762431
## 42	2.2578764884	-1.968374241	-0.712581816	-2.311947538	-0.68624471
## 43	-0.0008333527	0.986518587	0.127378853	-0.238497963	-0.65947524
## 44	-0.7557916909	0.164540572	0.373093819	-0.803906981	-1.92491227
## 45	-0.6962082022	-1.340238600	1.029366967	-0.419509018	0.95959979
## 46	0.7626604909	-1.867352152	0.336341048	0.985114314	0.10714384
## 47	1.0888737243	0.274572971	0.170702904	0.689579185	-0.29489494
## 48	-0.8405044937	-1.660074307	1.074894941	0.307279729	-0.19223050
## 49	2.5541055966	0.132819742	0.167687849	-0.624439659	-0.66885342
## 50	0.2677289515	-0.279714688	-0.960362388	-0.160964906	0.51279957
## 51	-0.2868905099	-0.829916243	0.019907150	0.293781840	-2.00881751
## 52	-0.7686748635	-1.816370788	-2.113337686	1.152366093	-0.85525871
## 53	1.5858348257	0.743446557	-0.211283616	1.074687081	1.41216541
## 54	-1.4857477740	0.214006770	-0.985315410	0.053564875	-1.10339698
## 55	-0.7757134081	0.890306602	2.500042629	-0.022918829	0.62441945
## 56	-1.0055729683	0.175754291	-0.337100491	0.495328262	1.15543084
## 57	-1.0323722519	0.795379188	0.867091850	0.341240550	0.43928729
## 58	0.1997993740	0.636913025	0.627893636	0.375233548	-1.31766805
## 59	-0.3895392187	-0.963578526	-0.348574525	1.443124406	1.13736965
## 60	0.9126928225	-1.162787480	1.021156558	1.796088643	0.34244802
## 61	0.1769177463	0.060745116	-2.414772383	-0.352622223	-0.71605685
## 62	2.9918469907	-1.547218125	-1.349834353	-1.338222301	-0.14337728
## 63	-0.4107622473	0.282264867	-1.456395900	0.800193819	-1.89871899
## 64	0.2623454492	2.919954365	-0.068562255	0.584360604	-0.22685862
## 65	-0.2401408004	0.351727777	1.363372795	-0.327362223	3.71480487
## 66	-0.6607193985	1.200440175	-2.315515110	-1.149930565	2.53883929
## 67	1.8250169460	-1.417434176	-0.018120021	0.343607274	-0.05120125
## 68	1.0470288979	-0.647745560	0.317358772	1.410077066	-1.85007782
## 69	0.9703610553	-0.460237262	0.337281708	1.716818027	0.39941402
## 70	2.9426447368	0.561123979	0.663823679	-0.855858852	0.19588247
## 71	0.1024471793	-1.561263074	0.485122575	-0.102028933	0.12526242
## 72	-3.1834364447	0.911237609	-0.065983594	-0.397016965	0.28519547
## 73	-0.5175657426	1.272112497	0.651692280	-0.070545475	0.21519578

## 74	-0.4313753921	-0.666024004	1.699660552	-0.981114350	0.23095146
## 75	2.2072293746	0.230471964	1.316527674	-0.576679756	0.16531805
## 76	1.6605056255	-0.125007475	0.138679286	-1.092097865	1.19284867
## 77	0.3523381359	1.029498466	-0.481022051	0.311371939	0.43547321
## 78	-0.7541784257	1.543070201	-0.510589478	0.974355439	0.25382387
## 79	2.4066415496	0.533451454	0.533374531	-0.977981288	0.96668945
## 80	0.2836312769	0.135719752	0.287396466	0.577806951	-1.55406719
## 81	-0.0876075555	1.211315367	0.454876789	1.418557726	0.61231165
## 82	-0.4117488226	1.767963373	-0.109854499	1.572884121	-0.65786155
## 83	0.3968092343	0.594284000	-1.881708335	-0.427285099	1.78311976
## 84	1.4437754679	1.812992985	0.327614659	0.050242842	1.94834958
## 85	0.9721478138	-0.376981531	-0.839181722	1.084230723	0.60564302
## 86	-0.7731521020	1.107217745	0.398314301	-1.206845993	0.52837201
## 87	0.3358770235	0.407812590	2.166049192	0.272195768	-0.51240051
## 88	0.9919238685	-0.591396948	-0.655913662	-0.755007124	0.03221474
## 89	1.0680529903	1.238350517	-0.078117222	-0.597122418	-0.07021024
## 90	-0.7731516228	-0.172371656	-0.871306912	-0.404707304	0.03484534
## 91	-0.6051551380	0.418832579	-0.199806084	0.578636122	-1.27689952
## 92	-0.9958457637	0.037592904	0.514320923	1.583668047	-0.99586897
## 93	-1.1863291941	0.303372021	0.045048891	0.012967548	1.66206935
## 94	-1.4152813170	0.908562786	-0.244362376	0.094457342	1.15477494
## 95	0.6942772876	-1.674870236	0.699498011	-0.207430718	1.94800146
## 96	-0.7019988937	0.839390352	-1.675368661	0.346689035	-0.33431351
## 97	-1.6332940752	-0.457734248	-0.177856669	0.264090292	0.64803000
## 98	0.1410781312	0.184308757	-0.257529546	-0.514245182	-0.43158043
## 99	-0.6030936861	-0.177519643	0.467299109	1.879893752	0.51544656
## 100	0.0422092756	0.433117822	-0.412676971	-0.023205890	0.13634758
## 101	-1.6071708848	-1.022314453	-0.162083724	-0.107710389	-0.94800889
## 102	-0.9393872211	-1.003749824	-0.390374434	-1.545581271	0.44019917
## 103	0.6671240321	0.092340922	0.788019235	0.537403220	0.35845705
## 104	-0.5657771938	2.139009904	-0.173298717	-0.884263095	-0.63050240
## 105	-0.3792758470	-1.737219321	0.517719392	0.577327087	2.71249644
## 106	0.8608640638	-1.685427679	-1.083262768	-1.121367380	0.12270774
## 107	0.5577111901	1.767932561	-1.932212196	0.804279973	0.02471409
## 108	-0.8556437105	-1.105562862	-0.783312216	-1.191844529	-1.07155742
## 109	1.4988339087	0.117231001	1.669221262	0.314491258	0.77567284
## 110	-0.0851139646	-1.571316274	0.649973865	0.506084584	0.21136395
## 111	-0.9533278778	-0.498364915	0.226716977	0.126139029	0.24796471
## 112	0.6879419959	0.075886603	0.416805986	0.550851337	-1.43433229
## 113	1.2396333028	-0.715487467	0.036973166	1.468049715	-0.32733455
## 114	-0.2264407747	-0.173922702	0.603112958	-1.141712603	-1.05161259
## 115	0.5309061556	0.215041845	0.009481032	-0.602445448	0.41810205
## 116	-0.7380127285	1.442149549	0.434415296	-0.087344313	0.55355031
## 117	1.1114996965	0.334501136	0.073902442	0.859960236	-1.21873205
## 118	-0.6745258910	0.025996411	-0.487466438	2.456205670	0.93082993
## 119	1.7278691992	1.425832986	-1.622731444	-1.416444668	-0.18003406
## 120	-0.1657291844	0.086998248	-0.476106377	0.096907844	0.69012762
## 121	1.7107151208	-1.151791173	0.040510461	-0.796746247	-0.37761237
## 122	-0.2820500536	0.561027777	-0.031014699	-0.060472396	0.28630512
## 123	-1.1717897179	-1.248140213	-0.181148278	-0.209753338	0.44307781
## 124	-0.1274728349	-0.172272633	-0.250535992	0.673722153	-0.06413386
## 125	1.9349106845	-0.071550901	1.181524161	0.565062376	1.05785261
## 126	1.2665984592	0.385506135	0.665675055	-0.133669184	0.64095384
## 127	-0.7857311642	0.349277986	-1.537792137	1.713895875	-0.70289227

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## 128 -2.1266271010 -0.077777767 0.974299672 0.763264823 1.44862220
## 129 1.9242346134 -0.288988693 1.234175061 0.988386194 -2.79322135
## 130 -2.0548667267 0.384076887 0.397381512 0.555862621 -0.13417349
## 131 0.3338837668 1.057002470 1.114960511 -0.234824039 -0.34036429
## 132 0.7912508707 -0.099427039 0.537373931 0.689207427 0.02961108
## 133 0.5154614610 -0.422348523 -1.427954869 0.338702870 0.10975694
## 134 -0.1510569254 0.946192386 -0.457075582 0.688929819 1.72306431
## 135 0.4939558889 -0.352302155 -0.629576739 -0.436648677 -0.60612510
## 136 -0.0149563857 -1.022102094 -0.006072902 -0.439611324 0.13989995
## 137 -0.8960216772 0.979846532 0.140587266 -0.789034967 0.46459349
## 138 -0.4285995374 -0.826309296 0.517882129 0.239463118 0.23654998
## 139 -0.3278138919 -2.028580508 -2.161439954 -0.453574139 -0.89054065
## 140 0.0272547069 -0.169956201 -0.601137015 -0.576225589 1.21870685
## 141 -1.5478250244 -0.389315979 -0.416349452 -0.579509440 0.17576430
## 142 0.0223398297 -0.318194168 -0.550383723 -1.156262885 -0.44057362
## 143 0.1125763191 -0.748705437 2.005415933 -0.052446682 2.11836727
## 144 1.2056368114 -0.732893961 0.653291898 0.897567195 0.91594013
## 145 0.5119491970 0.005604282 -0.364804203 2.304615664 0.16492440
## 146 -0.0095718963 -0.311346886 0.788026318 0.920646839 -0.90918188
## 147 0.5903999669 -0.367020555 -0.156750103 0.327060144 1.01774335
## 148 -0.7435822437 -0.167094710 1.278846357 0.423280935 -0.44328112
## 149 1.7021930028 1.977150147 0.043918922 -0.567787347 1.44119929
## 150 0.3191107494 0.030753240 -0.598097674 0.525473393 0.79920292
## 151 -1.2973495465 -0.357679190 -0.957210116 1.495588014 -0.21872291
## 152 -1.4873198040 -0.103518884 0.501031466 -0.581052562 -0.55856089
## 153 0.5863487414 1.211264182 0.727063391 0.212800285 0.57422280
## 154 -0.2257229089 -0.768284455 -0.174035517 0.414569193 1.69311051
## 155 -0.4443259983 -0.730240345 -0.126811892 0.009456460 -2.26887671
## 156 0.6642910885 -0.042314100 -0.051854319 0.168358904 0.37925796
## 157 -0.1275043154 1.259243762 -0.112453500 -0.017933529 -0.92731302
## 158 0.0985747012 -0.272224775 2.098906528 -0.194734406 -0.69829014
## 159 0.2249422574 -0.194854402 -1.547343666 0.026160937 -2.18606774
## 160 0.7530946549 0.503842976 0.970549317 -2.197299469 0.38868400
## 161 0.4732573579 0.411167473 0.111559987 -0.003917087 0.44807846
## 162 -0.4606195091 0.212352853 0.728954443 1.062056353 -0.41547089
## 163 -0.9061736950 1.356481076 -0.739855650 -0.487374576 0.50405481
## 164 0.8149140533 1.247309256 2.006979918 -1.271781101 -0.45116332
## 165 -2.0047148518 0.256527249 -1.001609456 -0.398270590 -0.66500478
## 166 -1.8753998591 -1.490671236 0.854703030 -0.032887600 0.65072465
## 167 0.6809457202 -1.059574435 0.283518240 -1.364405652 -1.14836690
## 168 1.8609589681 1.085833368 -0.747962951 -0.422351298 -0.46583081
## 169 -0.2508545412 -1.007650051 -1.702961390 0.576181052 0.45174683
## 170 0.3253662272 -1.514412005 -0.526869630 1.494244252 -1.21839804
## 171 0.7301861570 -0.200405024 0.993494401 -2.367833910 -1.65643179
## 172 1.4116530271 -0.361727223 -0.941212615 0.986709080 0.66654709
## 173 -0.2413046745 -0.175804992 -0.706409107 0.986793239 -1.38123278
## 174 -0.1694750402 1.029833358 2.501418062 -0.257091946 -1.42277547
## 175 0.2883702757 -1.786637747 0.046320909 0.665162142 1.08079577
## 176 0.2085738127 -1.214524166 -0.457641503 -0.421755697 0.72925379
## 177 0.4169809367 -1.487037922 0.225815255 -0.450325206 1.18388746
## 178 -0.0625255846 0.091477211 0.633682492 0.878811607 -0.21550724
## 179 1.1138281698 0.390440048 -2.037391149 0.319068332 -1.57063620
## 180 1.0611524572 0.178178219 1.262977755 0.758647597 -0.35798056
## 181 -1.2817833672 0.422066131 0.623078519 1.008351945 -0.86546284

```

## 182	-0.7772133007	-0.985373949	-0.422948201	0.142073271	0.05548813
## 183	-0.8438368738	1.383559476	0.385711198	0.629543509	0.57997568
## 184	0.5116705163	-0.677729401	1.127257762	0.969697089	-0.26347615
## 185	-0.2404678950	1.256047715	1.104437068	-0.876202372	-1.10501963
## 186	0.8888625473	1.244667252	0.088727552	0.599609847	0.85920192
## 187	0.7685290306	0.789523399	-1.165116956	0.061591798	-0.29583401
## 188	-0.7413327004	-0.107934512	-1.115806784	1.400015468	1.22168982
## 189	0.0024351947	2.304927330	-0.958973970	0.063204935	0.06218611
## 190	-0.0321394579	-0.408689559	0.670755030	-0.507946768	0.18527844
## 191	-0.6053393699	-0.585944180	-0.215437151	-0.893505498	0.59010161
## 192	0.3151467422	-0.049604316	1.082810654	1.130369886	0.30417406
## 193	-0.9185865892	1.102897662	1.008543949	0.076388773	-0.34234492
## 194	-0.5104970514	0.658745410	-0.622692926	-1.348200607	0.15654518
## 195	0.8616374498	-0.090934247	0.560969295	0.283990132	-1.40709227
## 196	0.7037020466	-0.784038560	0.218016335	0.480078437	-0.85533956
## 197	-0.3480687781	-1.734697532	-0.872157187	-0.826871479	-0.28755463
## 198	1.3761127687	0.597236060	-1.627311154	1.015943760	0.89202411
## 199	0.7792371730	-0.393538576	-0.449993716	-0.086242002	-2.49426455
##	V57	V58	V59	V60	V61
## 1	-0.467289065	-1.20257550	0.257849163	-0.237582826	0.593646735
## 2	-0.398211589	0.19110433	0.308715494	-0.139827940	0.185166496
## 3	0.704527481	1.01349204	-1.775310777	-0.651736851	1.272326847
## 4	-1.469186611	-0.49913284	-0.462524224	-1.154633432	0.362164202
## 5	0.468267806	-0.66116237	1.564913539	-0.683788592	-0.413776898
## 6	0.683237565	1.00665432	0.279956370	-0.435110360	1.120256581
## 7	0.597420453	1.60804587	0.690096161	0.488424170	-0.994291550
## 8	-0.682121134	-1.12412787	0.130551060	-0.490670622	-0.757903834
## 9	0.241717754	-0.20892654	-0.022718602	0.197574082	-0.879302263
## 10	1.377060215	-0.02797251	-0.361440532	-0.554240411	1.030113028
## 11	2.342169919	1.04231719	1.280732845	0.308952498	1.445157338
## 12	-1.267961746	-0.02731316	-0.796357075	0.559345020	0.805574210
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## 15	1.030060723	2.27071561	-0.525974900	-0.679221806	-2.231549003
## 16	-0.444769888	0.72772112	0.209263372	-1.710730421	0.782665499
## 17	1.035994089	-0.74493302	0.561719268	-0.527715299	1.624613110
## 18	-1.666064400	-0.28009797	0.223491575	-0.157147274	1.766909401
## 19	0.563978980	-1.17377054	0.167885617	0.210347483	-0.638691317
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## 21	-1.784083077	-1.02235280	0.140811887	1.282036978	0.925196753
## 22	-0.256300536	-1.81360977	0.449827238	-1.200808069	-1.415041670
## 23	-0.421737012	-2.12314437	0.709306093	-1.419391054	0.757115757
## 24	-0.275934732	0.05020095	-0.370701842	0.512778810	-1.719684469
## 25	0.637542400	0.95652180	0.476055669	-0.920233310	0.064107726
## 26	1.247362410	-0.85075991	-0.649444392	-0.115986278	-1.133352068
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## 30	1.383132440	-0.14919362	-0.637225223	1.270155917	-0.231015744
## 31	-0.092298572	0.84885643	0.446958024	-0.495544887	1.037306446
## 32	-0.032596015	0.57853671	-0.179721141	0.634454575	-0.486653902
## 33	-0.572764240	-0.90244777	-0.107689376	1.216087495	0.244871315
## 34	0.771208841	-0.43205830	-1.073016749	0.129733525	-1.785259949
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## 37  0.046431460  0.94442665 -1.040214767 -0.458352950 -1.171154101
## 38 -0.978928043  0.40226429 -0.972823470  0.667163533  0.147606583
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## 89 -0.587160736 -0.28072828  0.489414903  0.434180405  1.062442751

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## 92 -0.296679748 0.92512428 0.613629501 -1.870933074 0.026184028
## 93 2.516508073 -1.55410815 -0.340932550 -0.858084696 0.942510957
## 94 0.506499269 1.25994171 0.379917585 -0.983218280 0.485285952
## 95 0.454918768 -0.53170688 -1.538659808 1.325915391 -0.664102147
## 96 0.110731937 -0.96276309 0.187385387 -1.107894528 0.979915729
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## 142 -0.047568949 -1.66569288 1.937328223 -1.047690451 -0.506184944
## 143 0.952709632 -0.51097426 0.649763977 -1.218613606 1.463575406

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## 147 -0.133058691 0.75212710 -0.831766018 -0.184389859 0.164873760
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## 176 0.168907062 -1.29005543 -0.385755586 0.686345169 0.131592819
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## 182 -1.879438182 1.37648317 0.420959596 -0.764039471 0.174765483
## 183 1.506696220 -0.95069400 -3.050275795 0.724211494 -1.568058896
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## 186 0.916294605 -0.68026723 0.522804608 -0.383266915 1.208049620
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## 188 1.104405508 0.73096440 1.165254505 0.686569620 -1.006272124
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## 191 -2.015380155 -0.04842103 0.397419398 -1.413724508 0.240394742
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## 193 -1.090956525 0.14715292 0.817865777 0.789621045 1.975774899
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## 195 0.498558469 2.58800375 0.373013472 0.364863808 1.076326713
## 196 -0.008185032 -1.03094722 -1.238068471 -0.002299274 1.580117291
## 197 1.086068003 0.82989190 1.493152942 -0.914550472 0.117679876

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## 198 -1.281068232 0.46751374 -1.073597178 0.440626878 -1.096451083
## 199 1.159969585 0.87032835 -0.301377435 2.076599621 -0.800290584
##          V62          V63          V64          V65          V66
## 1 5.657209e-01 -0.2277491696 1.250928802 0.192860555 -0.4626680642
## 2 8.921057e-01 0.5587044159 0.304875014 0.086502185 0.2887201218
## 3 7.442469e-01 1.1602166821 1.312522613 0.862949759 -0.1007975724
## 4 8.550171e-01 -0.0825785074 -0.320404320 0.815599788 -0.6294915513
## 5 5.062160e-01 0.4466298786 0.723849742 -0.369478840 0.1379375861
## 6 -9.411603e-01 -0.4298947035 0.649232964 0.514925647 0.4128315874
## 7 -8.284107e-01 -0.2430998529 -0.120659185 -0.875399574 -1.0131897120
## 8 -8.454447e-01 1.0997900587 1.236966202 0.738958531 -0.2119429978
## 9 5.060781e-01 0.5900419574 -1.262550435 -0.654511994 -0.6008513283
## 10 7.353765e-01 -0.3200775829 1.939764312 0.324197319 1.0964954761
## 11 2.725585e+00 -2.2366343456 0.730831407 -0.317685775 -0.0364795507
## 12 -1.674350e-01 0.7570060984 -1.711804413 -2.645492859 0.1443792195
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## 17 -5.333345e-01 -0.2730029428 1.401864883 -1.028676329 -1.3095964326
## 18 1.040177e+00 -0.3837667344 -1.099246294 0.331769599 1.3349864608
## 19 -9.137408e-01 -0.3615837746 -1.239036599 -1.714906049 -1.1552156900
## 20 4.597617e-01 -0.0141314707 -0.502573144 0.667047903 0.4148373102
## 21 2.172171e-01 0.0329366885 0.345206281 0.637675749 -1.3499750075
## 22 -9.250354e-01 -1.6908984033 0.836249734 1.063268908 0.4772119633
## 23 7.920036e-01 0.1760126897 -0.125701302 0.094163052 -0.0297338376
## 24 -1.014586e+00 -0.2741544905 -0.022971771 0.696864898 0.2286540806
## 25 -1.212835e+00 0.9026707079 0.803968815 1.652960990 0.4543038881
## 26 -1.281736e+00 0.3123609505 -0.755833791 -0.288140106 0.7361277817
## 27 -7.767167e-01 0.2225122704 -0.475322469 -0.103518494 0.1380395981
## 28 9.773992e-01 -0.2412944933 0.543883512 -2.922036874 -1.0244429343
## 29 -7.152484e-01 -0.2228576459 -0.808152591 0.064390579 -0.4679854900
## 30 1.294206e+00 -0.4051111471 -1.050555942 0.271384089 -0.7292070799
## 31 2.240320e-01 0.7570747315 1.177579691 0.603671800 1.7194054450
## 32 -2.046295e+00 -0.4929185315 0.347326372 -0.303343924 0.0006807733
## 33 -9.991033e-02 0.4209198777 0.549070472 1.545896872 0.1381922091
## 34 1.888691e-01 -1.1566233734 -1.081282287 1.208753560 0.0323285425
## 35 -1.697535e+00 0.7157969322 0.578378794 -1.001430941 1.3753713018
## 36 -2.231644e-01 -0.9335463447 -0.563108812 -0.875069493 0.5081286682
## 37 -1.624366e+00 2.1378009939 -1.608333409 -0.449295097 0.0960788961
## 38 4.693244e-01 -0.9861901659 0.704577245 1.793640142 0.4210069258
## 39 1.336269e+00 -2.5371426107 1.507260318 0.695246443 -1.5302650802
## 40 6.559925e-01 0.0345611326 2.323514263 -1.406190749 0.3059417987
## 41 -1.989534e+00 0.0820124067 -1.619526230 -1.223024456 1.1191967936
## 42 -1.147970e+00 0.3723518347 -0.812665195 0.550932015 -0.5103838611
## 43 8.061857e-01 -0.0932526242 0.283131762 0.254585358 0.2692889456
## 44 1.942478e-01 0.3895418742 0.323565713 -0.041412507 0.3999113895
## 45 4.897598e-01 0.1168531279 0.185818729 -0.663724336 0.1973823699
## 46 -3.314393e-01 1.0027180285 -0.268399872 -1.024884776 1.0918573145
## 47 8.960854e-01 -0.7021742254 -0.716302971 -1.266775134 -2.4474484124
## 48 9.493901e-01 0.2511011033 0.033813288 1.322186932 1.4295747053
## 49 1.673599e-01 0.4135911156 0.244618076 -0.264069925 -0.4676040360
## 50 -9.755989e-01 1.3516453424 0.875390260 -0.381282182 0.8140246747
## 51 4.914890e-01 -0.5917085483 -0.858316941 -2.047528287 1.0621867928

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## 52 -5.731725e-01 0.1718354482 -0.294901907 -0.180982644 -1.4718666449
## 53 8.390089e-01 -2.1281957637 0.622557561 0.959176713 -0.9843641758
## 54 -6.830102e-02 -0.2614631743 -0.167407967 0.852573764 -0.8674196125
## 55 4.213548e-01 0.6228197881 -0.177218013 -0.195499784 0.8721939027
## 56 -1.936342e+00 0.5399036314 -1.565603199 -0.718123621 0.0174009937
## 57 1.008687e+00 -1.8871422298 0.939484551 -0.907964729 0.1116969225
## 58 1.216679e+00 -0.5085063921 -1.235920613 -0.196467176 0.5472114846
## 59 -1.662484e+00 -1.3019710944 -0.473285594 -0.570741351 -1.7442859670
## 60 6.119508e-01 1.7651797766 -0.203876655 0.013338795 1.3576065153
## 61 9.511360e-01 2.2518858642 1.919745548 1.558774688 -0.1905932180
## 62 -9.499778e-01 0.3016894341 -0.645514466 -0.415061669 -0.2662678924
## 63 -4.608232e-01 0.9044661923 -0.054574608 0.225803853 0.7485731874
## 64 5.060234e-01 0.9913536540 0.295928799 0.748620060 -0.0031167332
## 65 -1.291843e-01 -0.1752457463 0.421258916 0.593134288 1.1005613342
## 66 7.543367e-01 0.0365979890 -0.877972813 -1.228473827 -0.8330525310
## 67 1.416854e+00 0.0612044439 -1.329013394 0.479230581 -0.3784559988
## 68 -1.777565e+00 -1.1690245488 -1.778366018 1.491024499 1.5903914746
## 69 -4.977634e-01 0.7435597980 -0.099695567 0.911442816 0.2226046135
## 70 9.923982e-02 -1.3682692836 0.210573139 -0.420531133 -0.5198896500
## 71 1.537716e+00 0.5852238468 -0.149148832 0.810730645 2.8239985062
## 72 5.295938e-01 0.5484436195 -0.734204035 1.101039433 1.2856228552
## 73 6.990842e-01 -0.2203099739 1.642817099 0.003044711 -0.5687549846
## 74 -9.441074e-02 -0.9442211060 -0.041257642 0.493701131 -1.5092508530
## 75 1.373628e+00 0.2530829414 1.895223016 -0.100087228 0.5152052851
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## 77 5.038032e-01 -1.1132158635 -0.331951934 0.868890226 1.0473433503
## 78 2.135429e+00 -0.6806202635 0.575058346 1.556845585 1.1689322550
## 79 1.735581e+00 -0.6724311190 -1.423394484 -0.757561450 -0.4199874006
## 80 -1.568675e+00 -0.6212814722 -0.114887329 1.348380767 -1.2278707810
## 81 -2.739540e-01 0.5057152783 -0.101642168 0.911115801 0.5016484931
## 82 1.257469e+00 -0.1338278399 -1.878288265 -0.320650374 -1.2269557605
## 83 2.204155e+00 1.5950180692 0.117590822 0.280501925 -1.4822843946
## 84 -9.914280e-01 0.7161556367 -0.264598875 -1.339281121 -1.7299880030
## 85 1.650735e-01 -0.0852616828 -0.834683848 0.488918547 0.1873492733
## 86 6.357704e-01 -1.4229033436 0.765434031 1.092916054 1.4207167747
## 87 7.439941e-01 -0.4211530036 0.865941847 0.910750573 -1.4778758812
## 88 8.100414e-01 0.1301286676 0.499282872 -0.334814668 1.4707012198
## 89 -1.089461e+00 2.0071119518 -0.683720274 0.477258449 -1.2004321756
## 90 9.748226e-01 -2.0841331706 -0.903312495 0.836696411 -0.5661144942
## 91 -1.876705e+00 1.6901658104 1.028110539 -0.493174378 -0.9514957447
## 92 1.880955e-02 -0.0482752378 0.616397226 -0.655790171 -0.7304221812
## 93 1.957703e+00 1.7707549964 0.159664883 0.414416373 0.3709753862
## 94 1.190441e-01 -1.5342309668 0.046407684 -0.101036961 3.4964171321
## 95 -2.043329e-01 -0.7020653722 0.484433672 -0.600512896 -0.3112009903
## 96 -2.970896e-01 -1.2965700328 0.049895545 0.165715407 0.5572095552
## 97 2.731689e-01 -0.2402818579 0.393077592 -0.287241319 -0.8418496297
## 98 1.870292e-01 -1.0781327303 -1.102066815 -0.456952749 0.9395601329
## 99 -2.364395e-01 0.0938680562 0.604601385 -1.704008058 0.2343383915
## 100 9.735041e-01 0.2233521758 1.169732022 2.074732810 -2.3255787765
## 101 3.206236e+00 0.3129755359 0.132140237 0.502671786 1.6118324864
## 102 4.355408e-01 -2.0497641567 -0.838320728 -0.454166800 1.4211570101
## 103 2.822752e-01 -0.6756714176 0.656409371 1.492299056 -0.8720645297
## 104 -1.505301e+00 0.2032899368 -0.699291172 1.826215434 -0.9633356095
## 105 -2.929988e-01 -0.1874006541 0.547256370 0.006389168 0.5594063232

```

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## 106 -1.036596e+00  0.8828076660 -0.037524357  0.489175418 -0.3161831040
## 107 -2.370825e+00  1.6190525668 -0.487040241 -0.967777716  0.8460434398
## 108 -3.680130e-01 -0.0256801818  0.705310267 -0.308969196 -0.1414362056
## 109  6.551936e-01  0.7197861881  0.361853361  0.278883734  1.8769400229
## 110  7.300330e-01 -0.3518931987  1.731194376 -0.031242800 -0.6947016576
## 111  5.023849e-01 -0.3570168926 -0.273562616 -1.027010786  0.0096227938
## 112  3.163342e-01 -1.4919140797 -0.866796456 -1.001928650  0.5167682694
## 113  1.039135e+00  0.1715535197  1.325660421  0.512589258  0.4549335368
## 114 -4.519669e-01 -0.1528152755 -1.115863892  0.083459655 -0.4278858886
## 115 -1.094319e+00 -0.4069141157 -0.545391244  0.449949409  0.4201426605
## 116 -1.048901e+00  0.6985227208  0.286663260  1.792680148 -0.5526788446
## 117  2.107349e+00  1.7674927240 -0.615135497  0.391146767 -1.0441698004
## 118 -2.136660e-01  0.0944819384  1.162605050 -0.214285800 -0.4471673779
## 119  1.090295e+00 -0.5780732621  0.426485783  1.648276787  0.0797143117
## 120  3.667890e-01 -0.6086424983 -0.297625635  0.274290658  0.7802023639
## 121  1.437882e+00 -0.1506175702 -0.446353957  2.244288752  0.2322449558
## 122 -1.701336e+00  0.5572650765 -1.040139171 -1.152159744  1.0087547093
## 123  1.552964e-01  1.5669698843 -0.152884659  0.550535855  0.5638632056
## 124 -1.726332e-01  1.1283657587  0.146153721 -1.959687957  1.8391325897
## 125 -9.547061e-01 -0.5178188656  1.081632646  0.545835067  0.0905566180
## 126  3.377992e-01  0.1969281906 -0.609022463  0.077426336 -1.0801117537
## 127  5.368536e-01 -1.0528510608 -0.118984645 -0.128773265 -1.2446157055
## 128 -6.681245e-01 -1.7156898646  1.040946751  0.489357135  0.6411590479
## 129  8.284664e-01  0.0866918087  1.252243043 -0.858134160 -0.2717634374
## 130 -9.238849e-01 -1.4935094757 -1.047123572  1.392609831 -1.5794964015
## 131 -7.779326e-01  1.1761281242 -0.322601049 -1.167358636  0.1441050409
## 132  1.468003e+00  0.3374090732 -0.295185322 -0.645853777 -0.4206212589
## 133 -2.857430e-01 -0.8334266192  0.560261466  1.244868392  1.7701953260
## 134 -1.483537e+00 -0.9126841765  0.113480758  0.415373791  0.8353302832
## 135  3.274800e-01  0.9232530015 -0.695200819 -0.296142552 -0.6608654019
## 136  3.118615e-01  1.3663559679 -0.634838736 -1.226966628 -0.8463349079
## 137  2.201458e-02  0.8370272578 -0.160398418  0.401183350 -1.5566242387
## 138 -8.653097e-01 -0.7935155941 -0.450382613  2.367576894  2.1622192112
## 139 -1.559891e+00  0.8678795209 -0.992254539 -2.168624464  0.4244217798
## 140 -1.756001e+00  0.4136380041 -1.154093331  0.239764723 -0.8053171996
## 141  4.838973e-01  1.0317353553 -0.267517642  0.117164525 -1.6304504408
## 142  4.704932e-01  0.9173626320 -0.504649864 -1.317649836 -0.0404796526
## 143  1.174570e+00  0.0555625918  0.577697391 -0.349621951 -2.2766403524
## 144 -4.478243e-01  0.0001853042 -0.179010034  0.150219847 -0.4789646452
## 145  5.666651e-01  2.6914931967 -1.657426509 -1.319519749  1.1010429145
## 146 -1.975664e-01  0.1262020455 -0.052783441 -0.862275626  0.0465959662
## 147  9.684848e-01  1.9106694447  1.464586456  0.792951621 -2.2848877927
## 148  5.883995e-01 -0.9377162884 -0.636791768 -0.222599482  0.8504352042
## 149  8.824599e-01 -0.6800626826 -0.294053539 -0.174315690  1.5685688891
## 150  1.650930e+00  1.4370058983 -0.613134737 -1.864448078 -0.0728436966
## 151 -2.137142e+00  0.4271942329 -2.303719089 -0.335726642  1.4929228326
## 152  7.146228e-01 -0.2037185638  1.066554641 -0.419413625 -1.0220245230
## 153  4.252665e-01 -0.8826255615  0.723546993  0.955568828 -0.8262495252
## 154 -1.145326e+00 -0.2653585179 -0.246837045  0.894366855 -1.1108426748
## 155  7.529405e-01 -0.5891348970 -0.801857922  0.050668588 -0.3190249420
## 156 -1.861861e+00  1.7648057015  0.256398356  1.581051413 -0.1504150720
## 157 -2.066477e+00  0.4085560520  1.406559722 -0.355451103  1.5899022798
## 158  1.836533e-01  0.2716264264  0.780506294  0.464019827  0.6054762020
## 159 -1.575529e-01  0.3442800704  0.287671761  0.286819269 -0.3547220399

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## 160	1.034974e+00	-0.6334580361	-2.753226942	2.223451392	-1.4570220215	
## 161	-1.124109e+00	-0.8788833928	0.032716245	0.492757894	0.1166658830	
## 162	1.079609e+00	0.2184673852	0.425923543	0.643691475	-1.6311624454	
## 163	2.104270e-01	-1.3499062173	-0.957980915	0.266810629	1.9848427476	
## 164	9.103544e-01	-0.1003997211	-0.688195237	0.869565215	-0.3152104999	
## 165	-1.953327e-01	1.8100749952	0.349079793	-1.068010516	0.8522194229	
## 166	2.740596e-01	-0.0412553030	1.002494651	0.066362351	0.5670468858	
## 167	9.056907e-01	-0.3172022568	0.431192832	0.268361308	-0.0671129808	
## 168	-1.146173e-01	-2.1507008016	0.375752965	0.762446576	-1.8080854257	
## 169	5.106002e-01	-0.9574595560	-0.057847044	-1.624838087	-1.6105169746	
## 170	2.353106e-01	-0.3076696845	-2.083517767	-1.098458382	-1.8976899687	
## 171	8.008033e-02	-0.5508271978	-1.350820809	-0.111077758	0.7770912751	
## 172	1.166641e-01	1.6390329579	-0.367494464	1.143704409	0.7380842874	
## 173	5.444117e-02	-1.6319858070	0.405243877	0.394191701	0.7030746874	
## 174	-1.522278e+00	1.1243878903	-0.497462060	-0.647026894	-0.8252944765	
## 175	-1.657448e+00	-0.5042790118	1.053803102	-1.183507357	-0.3144641690	
## 176	-8.038243e-01	0.6687628615	0.824929304	0.098246245	0.8256045559	
## 177	8.228328e-01	-0.7758499358	-0.330332725	0.224049673	0.5775367069	
## 178	7.788914e-05	1.8975549053	-0.715375118	-0.984043543	0.4103869459	
## 179	-1.672113e+00	0.0827773282	0.621989455	-0.421548261	-0.0889448477	
## 180	9.940398e-01	-0.4386489272	-0.524371013	0.742579828	0.9902782738	
## 181	1.134225e+00	0.5710761030	1.999285398	0.532621212	0.5340213143	
## 182	1.656983e+00	-0.6790108360	-0.663652565	0.542783051	-1.2812168455	
## 183	-7.383161e-02	0.2169280088	0.397355716	-0.681223389	0.1324227019	
## 184	-6.499151e-01	-0.2999810901	-0.758479329	-0.314229086	-0.1391851515	
## 185	4.155136e-01	-2.3490772600	1.608081837	0.777026356	1.1164365502	
## 186	-2.224792e-01	-0.0423799109	-0.293330206	0.667539001	-0.5228446783	
## 187	4.664223e-01	-1.2556658966	0.282323684	-1.150672282	-0.0836791764	
## 188	-5.363755e-01	-0.5407319872	-0.115869477	-0.977811238	2.4082632448	
## 189	9.182199e-02	-0.0770184916	2.169802388	-1.362469598	-1.5083419924	
## 190	-2.435130e-01	-1.0296742873	-0.006039458	1.454075340	-0.9470818400	
## 191	1.187368e+00	-1.2876020660	0.899027385	-0.673524598	1.8989506385	
## 192	-4.530280e-01	0.1206321036	-0.963160082	1.249966032	-0.7192133209	
## 193	1.562146e+00	-0.6966930701	-0.832386383	1.924831093	0.4869759673	
## 194	9.001146e-01	-0.9710948044	-0.623841218	1.400040029	0.2160896158	
## 195	1.303887e+00	-0.9629224853	-0.425346493	0.953733821	1.8055028344	
## 196	6.926221e-01	0.7188030745	0.486603175	-0.103199146	2.2628603514	
## 197	-1.239518e+00	2.3802699428	-0.720318420	0.032076605	0.4659924861	
## 198	-1.039052e-01	0.7054299234	0.352474594	0.407148201	1.1903941527	
## 199	2.968647e+00	0.9649197539	-0.500661438	0.731383777	-1.0304178450	
##	V67	V68	V69	V70	V71	V72
## 1	1.159993916	-0.10144982	0.0765498973	-1.474016543	-0.30848333	-0.68666005
## 2	0.970856354	-0.80141687	-0.7836599905	-1.460658885	0.02789621	0.81279137
## 3	1.741349293	-1.32180852	0.5680695946	0.505109889	-0.28074989	0.99471874
## 4	-0.135423854	1.17327752	1.0978727429	0.610104102	-1.11465146	-0.30446493
## 5	1.039719241	0.67703011	0.2971204101	1.299883770	-0.83968625	-1.66294555
## 6	-0.025227777	-1.48076854	0.9961726005	-1.527412104	0.51064280	-0.75038128
## 7	0.009617574	0.44231491	1.5371071829	-0.983728377	-0.79719275	0.93950245
## 8	-0.252124976	1.20492461	1.9322460553	1.579772971	-2.47760529	0.58665836
## 9	-1.335143431	0.84246840	-1.1065918585	0.785161820	-1.73993633	0.40880433
## 10	-1.536943471	-0.10537327	-0.8792580415	0.638574259	-1.83471547	0.37766538
## 11	-1.517196068	-1.26191680	-1.4390581667	-0.195699767	-0.71162291	0.10236384
## 12	-0.264315783	0.89825497	0.0774171781	1.011831942	0.34236908	0.02032342
## 13	-1.405928349	-0.87328130	-0.3150881245	-1.136598982	0.45929615	0.41348784

## 14	-0.058528535	-1.08953284	-0.0542258282	0.084513438	-0.72820511	-0.90934501
## 15	-0.238413085	0.98027936	-0.5970474838	1.149827142	-0.42431247	-0.63669807
## 16	0.017112299	0.85266961	-0.1959449890	2.638833988	-0.29558275	0.74571613
## 17	-0.118812985	-0.87490478	-1.3039535773	0.117575381	0.06281861	-0.89809666
## 18	2.085230895	0.67046353	-0.5522774024	0.045191028	0.70122802	-0.96225548
## 19	1.357881229	-0.14347172	0.6930722821	0.414100739	-0.52505971	-0.79016326
## 20	0.242824973	0.38034096	1.1262483480	0.804416456	0.18866412	-1.77683279
## 21	-0.903218407	-0.17512845	0.5941932593	1.594927274	-1.61893303	-0.14533161
## 22	0.741135237	1.36636434	0.0647409211	2.156156674	-0.23265467	-1.92747815
## 23	-0.323930423	1.46789000	-1.5357047741	-0.125440369	-0.08383589	-0.81104699
## 24	-1.507988188	0.33782663	-0.6614905369	-0.986879890	-0.01491972	-0.02196952
## 25	0.062417697	-0.76772261	-1.5599377063	0.416054830	-1.04787459	0.64743175
## 26	0.596309753	0.32646958	2.1661968789	-0.075191343	-0.34769309	-0.68360741
## 27	0.059971339	0.15411667	-0.4814929379	0.027835153	0.95708291	-0.05684654
## 28	-0.152868392	-0.01991808	-0.9213266187	-1.289616206	-0.77383496	-0.54147484
## 29	-2.412076883	0.60399821	-0.6782219628	0.454725565	2.20071885	-0.01343998
## 30	0.671695009	-0.74657437	-1.5102891913	-2.333939401	1.06416635	0.23489561
## 31	-1.438226409	-1.71849334	-0.1931653271	-0.579020402	0.79457829	-0.75930526
## 32	-1.938820833	0.23171374	-1.0657051527	0.386439470	-0.39235976	-1.53004273
## 33	-0.369582370	-1.59619623	-0.1160503348	1.265512853	1.08273248	0.95995391
## 34	-0.066706791	-1.38506023	-1.2274167491	-0.756370033	-0.66187416	1.03196754
## 35	0.139627174	0.79467309	0.0886828046	1.203239404	-0.11851399	-0.89141771
## 36	0.224299479	0.23771250	0.7140441564	-0.047244405	0.92480256	-0.38056743
## 37	0.618464326	-1.71464826	0.6752735825	0.399721048	1.55408034	1.00634324
## 38	-0.623755844	-1.25060101	0.1743983487	-1.123108530	-1.18547923	-0.55872372
## 39	0.345436734	-0.28923415	-0.4852779298	0.144902859	-0.53466168	0.23316121
## 40	-0.535736465	1.45025898	-2.1498006396	-0.522999561	-0.54100385	-3.13744178
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## 82	-0.035057396	-0.72405540	-0.8437414820	0.348153860	-1.17467397	1.71561775
## 83	-1.430925891	-0.04000012	-0.2303926324	0.672530976	-0.54675749	-1.75146408
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## 85	0.468192959	-1.21559530	0.5534463400	-0.181156348	0.19972391	1.45938983
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## 87	-1.431610182	-0.81695146	-0.9426992679	0.941494688	0.79980216	0.32147035
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## 89	-0.834984606	0.96069768	0.7611093647	-0.257249759	-0.04013857	0.86825421
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## 122 0.311621554 1.30511799 0.4461414466 -1.781460270 -0.67058475 -0.57029964
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## 195	0.863211764	0.06907921	0.9369551726	-0.272736619	0.75610271	-0.38310961
## 196	2.183247800	0.03851673	-0.0388904394	-1.098677889	-0.38153948	1.52647258
## 197	-2.537544336	0.41430454	-0.8751329517	0.302142756	0.47084174	0.31956347
## 198	-1.057371100	-0.29179448	-1.9982583218	-2.644044217	-0.12110505	2.76028746
## 199	-0.572204293	0.63162235	0.4108469701	-0.729839142	0.82364349	-0.96555928
##	V73	V74	V75	V76	V77	
## 1	-0.680218780	-0.633146968	-0.373756073	0.117935646	-1.383562394	
## 2	-1.127015467	-1.393999808	0.086536079	2.029642347	0.306200669	
## 3	-0.403363925	-0.253518623	1.279315496	-0.068143453	0.998789623	
## 4	-0.137072740	-1.146651283	-0.676864921	-0.685660138	0.268431778	
## 5	0.004385316	-0.600300289	-0.559091343	-0.133378725	0.148687949	
## 6	0.159599564	-1.099787733	1.208468478	-0.204561042	1.590500074	
## 7	-0.183913913	-1.726412187	-0.023697488	-0.603143737	0.121759596	
## 8	0.246724493	1.193082915	0.181719578	1.099653558	0.636210177	
## 9	1.652664406	-0.844729749	-0.279003642	1.364222108	-1.000012408	
## 10	1.829063921	-1.745417970	-0.838204218	0.557496818	-0.602844748	
## 11	-1.170375385	-1.474178769	0.090048184	0.408369443	0.492300388	
## 12	-1.065540126	-0.755155815	0.094226017	0.407782681	0.206625970	
## 13	0.595985317	-0.622390424	1.297861644	-1.856094702	-1.043895084	
## 14	1.140443161	0.151737017	-1.081314706	-1.498652212	-0.976090845	
## 15	1.023696008	0.381902891	0.660156358	2.188251095	-0.518494175	
## 16	-1.155328773	1.181153147	-0.406236997	0.122581948	1.394538277	
## 17	-0.819092409	0.850843412	0.477590856	-1.161121281	-0.710436066	
## 18	0.963059802	0.059490555	-0.340610724	1.697587497	-2.219051655	
## 19	1.137947767	-0.580163660	0.456669077	0.049597809	-0.212926427	
## 20	0.577097818	-2.749394727	1.385270869	-1.692084707	0.976440525	
## 21	2.269944302	0.922002540	-1.564086959	1.520134171	-0.800159230	
## 22	-0.195988596	0.997924741	-1.941420480	-0.591555995	0.861067684	
## 23	-0.218177751	0.463440056	-1.010366053	1.035436140	0.690612229	
## 24	-0.348031820	-0.839821890	1.958418697	-1.351837321	0.408998759	
## 25	-0.225516199	-0.425628907	0.041878287	-0.849652120	-0.342539526	
## 26	-0.450048068	-0.117368597	0.181507208	0.684262048	1.583098069	
## 27	0.817427698	0.353339875	1.750189741	0.476594195	1.100432983	
## 28	0.502877462	-0.357669247	-0.598949046	0.757033020	-0.565454390	
## 29	-1.190592482	-1.198636031	-1.989338953	1.413113313	-0.126223777	

## 30	1.288184953	0.384528888	0.784383440	0.678163869	1.192985900
## 31	-0.367821851	0.043958801	0.593961553	-0.304691060	-1.084911400
## 32	0.793957421	1.931194586	0.855597359	-1.961459633	-0.862103133
## 33	-0.433429514	2.040980606	-0.877180140	0.748519391	0.320664485
## 34	0.433893949	-0.168233869	-0.693737601	-0.557680940	0.622427009
## 35	0.195372607	-0.489867166	-0.466757530	-1.998068875	0.314959223
## 36	1.770590186	-1.693876535	0.315584737	1.336178980	-0.779948963
## 37	-0.295942353	-0.233265793	-0.178111839	0.192190625	0.677094975
## 38	0.570939602	0.272309109	-0.260997480	-1.387327551	-1.409415800
## 39	-0.467073556	-0.106568559	0.846681766	0.317898373	-1.424987608
## 40	0.193355416	0.830252999	-0.127406305	0.928580634	0.396758166
## 41	-0.336429928	-0.677666136	-1.300745816	-1.525595205	-0.230831406
## 42	-0.793541541	1.538126749	1.252886185	1.495727264	0.879635336
## 43	-0.817857671	0.995643812	-0.088912640	-0.471300803	0.409825220
## 44	-0.206714060	1.437275054	2.973523588	0.582606522	0.294852772
## 45	-1.065394972	0.130758962	1.154244019	-0.464349100	0.653416719
## 46	1.120664579	-1.499125321	0.480151321	1.199451653	0.509087636
## 47	0.706153072	-0.551046566	-0.801918655	0.228867166	-1.758915183
## 48	-0.399478160	0.260660521	-1.415958751	-0.222777403	2.160735682
## 49	-0.774220416	1.277624339	-0.856917503	0.720270116	0.072356249
## 50	0.388763241	-1.491925645	0.507883302	0.587603974	-0.247355719
## 51	0.869431027	-0.783859347	1.099398028	-0.010701762	0.561227015
## 52	-0.807366528	-0.595824606	0.197593674	-0.685730491	3.052224757
## 53	-1.624002539	-1.407264982	-1.522435892	1.237778636	-0.951078079
## 54	-0.031876789	-0.670548822	-1.249012132	2.526168216	-0.406495458
## 55	0.690429383	1.359582905	0.170709511	-1.882175963	-1.498464200
## 56	0.063831168	1.201933935	0.833676623	1.538349734	-1.281846937
## 57	1.100599010	0.420241019	-0.888128777	-2.455105945	1.540173261
## 58	0.986095258	-0.904186835	-0.316852450	1.439189649	-1.486505571
## 59	-1.161002541	1.610941345	-0.921179171	-1.020236978	-1.212325637
## 60	0.343137015	-1.078595966	-0.558142079	0.006317849	-0.755169044
## 61	1.650018313	-0.093301349	-0.389932703	-0.791359940	-0.504206296
## 62	-1.035771536	1.007662259	-0.099894537	0.676836938	0.264826746
## 63	0.655358736	-0.221010751	-0.640225164	-0.965694353	1.738997581
## 64	0.406959522	-0.684144847	-0.789190142	-0.935343214	1.433544576
## 65	1.504963322	2.741932783	1.448664285	0.607089289	0.298040228
## 66	-0.232869948	0.471790853	-0.084271563	-0.561584567	0.396068621
## 67	-1.633744152	-1.059965921	0.212119808	-0.304508976	0.919112068
## 68	-0.188625214	1.190081888	0.086819496	-0.977318216	0.462229150
## 69	0.594627754	0.912079688	0.455200977	-0.654409753	1.057456643
## 70	0.404295701	-1.314184976	-0.918715896	-1.192764666	-1.459657999
## 71	0.783331474	-0.734287007	1.573972456	-0.083195668	-0.162335516
## 72	1.399059257	1.340282892	1.944742698	-0.048480189	-0.082385541
## 73	1.220500446	1.272778202	0.540534771	0.730934298	1.759692182
## 74	-0.894160593	-1.815525028	-0.212812679	-0.635552032	-1.060644095
## 75	-0.023426686	-0.813874824	0.625552079	-0.965807072	-0.343193650
## 76	-1.992682782	-0.483898471	0.071976038	1.682867541	-0.051538134
## 77	0.543211922	0.104051861	-0.992005491	1.213359380	0.202767633
## 78	-0.733674052	-1.158648075	0.030545958	-0.388827868	0.068759504
## 79	0.511551265	0.103184837	-0.682458751	-0.027775805	-0.160107617
## 80	1.565543877	0.270817959	-1.109905989	0.352963744	-1.916903862
## 81	1.288517517	-0.396215723	-1.237367396	0.951884851	-0.248345739
## 82	1.660786076	0.046509761	-0.717409152	-2.735476690	0.741772409
## 83	-2.015981609	0.645760761	0.649122145	-1.076182650	1.179285417

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## 84 -1.204927623 0.825177796 -0.511875812 1.443086331 -0.974637210
## 85 0.051837925 0.690669391 0.026596803 -0.588426063 -0.246574025
## 86 0.533536516 1.928031801 -0.656476221 1.318348269 -0.117344578
## 87 1.273879015 0.080993610 0.179174295 0.257947201 1.102761427
## 88 -0.964455620 0.145597544 -0.512931153 -0.061919850 2.143992475
## 89 -0.117240741 0.435105866 0.258255315 -0.460645511 0.207598522
## 90 -0.685693043 0.645911295 -0.096652537 0.007678071 1.232686683
## 91 -0.494881137 -0.263174684 -0.771454370 1.432818290 -0.519246711
## 92 -0.227098839 1.150927599 -0.913432135 -0.082378445 0.670485094
## 93 0.448883793 0.416727034 1.590628427 -0.760185822 0.018599909
## 94 -0.249880093 -0.151967044 -0.252142148 0.079839912 0.681873541
## 95 -1.399507993 -0.621902257 -1.541150036 1.964710303 2.609699479
## 96 -0.347811927 -1.070501589 -0.608739407 -0.607842206 -0.311015948
## 97 0.991469833 0.937221519 1.105400010 -0.769621451 0.259336859
## 98 -0.997743329 0.122304631 0.676276812 2.101220315 0.126157429
## 99 0.689459755 0.644841445 -0.471785643 0.755958173 1.291909222
## 100 0.517692946 0.262925019 0.113209386 0.244428480 -0.103941336
## 101 -1.507529983 0.165651425 -0.864260728 -0.365514340 0.280967034
## 102 0.839816189 -0.926146536 -1.637502496 -0.890099510 -0.999888410
## 103 0.767964840 -0.184707028 1.331541867 1.290798498 -0.631489137
## 104 -0.033846066 1.775237126 -0.836830602 0.407179626 -1.294803335
## 105 0.199829342 0.138554907 2.903325602 0.431245174 -1.236021726
## 106 -1.039710666 1.164039636 0.507734796 1.291626104 -0.641786979
## 107 0.494617055 0.251670401 -0.454391766 0.105671399 0.787064999
## 108 -0.154076394 -1.334200293 0.085124384 0.364788889 0.512357434
## 109 -0.575090938 0.352849883 1.465319440 3.163246995 0.379165332
## 110 1.402761833 -0.328156063 -0.195356132 1.118137138 2.226082098
## 111 -1.130935981 0.143529771 1.254171103 -0.326182010 0.476638114
## 112 1.024583519 0.190413400 -1.571872185 0.534554516 0.114429293
## 113 0.356732883 -0.298314478 -1.303980420 0.497770039 0.654687359
## 114 -1.427255551 -0.710491947 -0.224604128 -0.998625540 -0.625389348
## 115 -1.138132486 0.940402437 0.147721608 1.012511145 1.442389238
## 116 -0.441149628 -1.016424352 -0.563196087 1.271158435 -1.004207178
## 117 -1.326219915 0.345294204 -0.896159888 -0.209160552 0.931982364
## 118 -0.975845960 0.552996359 -1.790213035 1.269147491 0.057780353
## 119 -0.714907990 -0.353687076 -1.261230842 1.780741584 0.510832227
## 120 0.732409230 0.316602044 -1.711248942 -1.891821507 -0.493816439
## 121 0.679304240 0.562213899 0.478618378 2.200626424 1.210595857
## 122 0.824428581 2.212989177 0.404460406 1.118283639 -0.619100161
## 123 -0.499540275 0.789121798 -0.861394146 -0.402065008 1.285708377
## 124 0.059105135 -1.303464057 -1.304326886 -0.852076279 -1.277521005
## 125 -0.936918870 2.623783482 0.252172284 0.074327802 1.903289070
## 126 0.446054000 -0.262600079 0.692790179 -1.482274127 -0.421562467
## 127 -0.480513717 -1.357584213 0.115933798 1.373951129 -0.387887895
## 128 1.918979164 -0.647077925 -0.096221069 0.892492241 -0.190957897
## 129 0.028326876 0.473992652 -1.470052655 -0.514587333 0.737219551
## 130 0.110051434 1.962243293 1.242732755 0.096940958 1.453107154
## 131 0.862828530 -1.886732102 -1.678856170 -0.626750921 -1.189928110
## 132 -0.358352703 -2.011094116 0.542654543 -1.364919442 0.135776122
## 133 0.555630088 -1.092230998 0.679342673 -0.011710808 -2.661844916
## 134 0.917957531 -1.352143533 1.084838641 0.256287059 -1.087062812
## 135 -0.444657112 2.301206230 -0.867347347 0.070105860 -1.843537061
## 136 0.235769315 0.549643862 0.834498024 -0.037041262 0.359502151
## 137 -0.102879104 0.055112833 1.284398332 0.207261879 0.905894741

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## 138 0.840330701 -1.110497858 1.406013366 -1.586978584 -0.257593616
## 139 0.872549623 -2.104612221 0.738354607 1.261623133 2.478176388
## 140 0.593717179 -0.568904065 0.200504764 -1.419385504 0.551036525
## 141 -0.047069174 -0.924076040 1.043494487 -0.626292241 0.307689619
## 142 0.274970214 -1.212382146 -0.096435294 -0.610007801 0.605145161
## 143 -0.688465941 0.846837118 -1.992275521 1.772465111 -1.515855116
## 144 0.357693453 1.916071114 -1.058418805 -1.083814086 0.624475901
## 145 0.575204190 0.052504734 -0.033858768 0.259385391 -0.385429550
## 146 0.955741141 -1.194192082 -1.137666188 0.808633669 -0.717650559
## 147 0.332162397 -0.191015608 0.254078033 0.757355361 0.367280367
## 148 -1.083374392 -1.151798512 -0.586717629 0.660224277 0.577403712
## 149 -0.701772219 -0.385752375 -0.477508149 1.598217175 -1.448350791
## 150 0.415606517 1.455192474 0.089753856 -0.830586040 0.321644729
## 151 0.253952733 -0.749638678 -0.281426019 -1.587654019 -0.495307273
## 152 0.058975961 0.503621684 0.232565864 0.680815223 -0.699421954
## 153 -0.837851559 -0.549416701 0.044209038 -1.615641102 1.344754502
## 154 0.396718031 -2.268362944 -0.268521826 -0.175363356 0.722278518
## 155 3.505312708 0.104293509 -0.627852037 0.493991629 -1.441502744
## 156 1.828619029 -0.217102308 0.421631932 0.034478053 -0.305773006
## 157 -0.503008806 0.281556117 -0.336606064 0.170045536 -0.221017948
## 158 -0.573565785 -0.189686028 0.567778631 1.525150317 -1.019850120
## 159 0.379980415 -0.688649986 0.107315179 -1.337384726 1.603247452
## 160 -0.476315829 -1.207848446 -0.252886366 1.149274015 1.542994993
## 161 -0.696411304 -1.428324525 1.022683856 -0.141795171 -0.663206330
## 162 -0.169812361 -2.090387409 0.445149130 -0.071553171 0.086535723
## 163 0.066283918 -1.237001199 -0.116142332 -0.253002914 1.580471422
## 164 0.213084847 -0.970092451 0.674224335 1.816099630 -1.297430873
## 165 2.680165997 1.035459657 -0.093607713 -2.028709371 1.365438806
## 166 -0.011035153 1.777150671 1.783660535 0.315816423 -0.377197012
## 167 -0.541140690 0.033813623 -0.881833475 -0.139548047 2.096238246
## 168 0.382808427 -0.080913335 -0.185331612 -1.070752813 -0.174794743
## 169 1.224686306 0.341439723 0.122212787 -0.506421925 -0.168369664
## 170 -0.723342046 -0.089724946 -0.742391312 0.238388041 -0.427794263
## 171 -0.611059262 -0.892071351 -1.337377920 -1.456844093 0.767133243
## 172 -0.957837165 -0.968655987 -1.668728520 0.553437663 0.496429101
## 173 -0.931195418 -2.475946176 -0.082177379 0.179958789 1.939212889
## 174 1.376388730 2.458882985 1.105121450 -0.136857913 0.690682497
## 175 -1.057539513 -1.427169771 -0.083194831 -0.684562081 0.418204905
## 176 -0.280269727 0.727968431 1.085467379 -1.291380123 -0.771145843
## 177 1.521195127 0.426757881 -0.918523777 0.644713439 -1.496953669
## 178 -2.106582461 -0.338857146 -0.020694290 -0.090361785 -1.547824156
## 179 0.544811397 -0.497830252 -1.255677890 0.160760223 0.065846342
## 180 0.150953633 1.135545951 0.009949755 0.923065540 -0.607164561
## 181 0.166152574 0.872192269 -1.026959590 -1.664745139 0.796508561
## 182 -0.322688177 0.969296035 -1.648725411 1.746618859 -0.717838798
## 183 -0.853920480 -0.714090737 -1.096742729 0.958346239 -0.862643729
## 184 -0.375189811 0.649272370 0.114480849 1.070741976 -0.372386984
## 185 -1.242518809 -0.004082544 -2.120684826 -0.119617037 1.739947189
## 186 -0.320124221 0.473303093 -0.573633276 -1.500195437 0.055653384
## 187 -0.719642091 -2.150511499 -1.019256221 1.228013907 1.302622742
## 188 -1.988090755 -1.477006938 -0.220422175 -1.673254170 -0.029252808
## 189 -0.814147005 1.908166514 0.067720980 0.795621580 1.024916979
## 190 0.360170561 -1.305979039 -1.181491834 -0.860027425 -0.009454499
## 191 0.395765419 -0.285302367 -1.005073317 -0.196938379 -0.867544025

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## 192	0.754732954	-1.044816772	-1.069848216	1.437595990	-0.090105880
## 193	0.389526521	-0.742642354	0.810270958	0.027964026	1.670068740
## 194	2.010191002	-0.033650618	0.352778258	0.094992187	-0.206606471
## 195	0.241199147	2.035754468	-0.353153153	-0.362009350	-0.159537964
## 196	0.153823808	-0.217871375	0.497588820	-2.465335837	0.024880453
## 197	-1.084576408	-1.601709598	-2.284725799	0.944420376	1.152124669
## 198	-0.201204755	-0.589070904	-0.394125302	1.851434895	-0.169723868
## 199	0.582601691	0.376277840	0.578116087	0.078923047	-0.899176802
##	V78	V79	V80	V81	V82
## 1	0.851325059	0.82318565	2.7766034983	0.934257746	3.138762163
## 2	0.641569536	-2.72449602	0.7551660322	-0.150849039	-1.324827410
## 3	0.278331001	0.71393736	2.0645335745	-0.459668904	-0.571031892
## 4	-0.859346714	-0.91131873	-0.8279101313	-0.251979719	-0.192195691
## 5	-0.555717621	0.48540901	-0.4263431501	-0.691801861	1.240573784
## 6	-0.873303344	0.46790594	-0.3738722671	0.231195285	-1.255368458
## 7	-0.003843499	0.82838846	-0.4085535590	0.903301400	-1.205117341
## 8	0.780255377	0.97511676	-0.8547393687	-1.735421575	-0.764376041
## 9	-0.125640255	-1.36925383	-1.6746112300	-0.906294525	1.238559907
## 10	-2.553815071	0.16422552	0.1669731946	-0.253001111	0.856392435
## 11	1.267598663	0.95790669	-0.5941261819	-0.386386373	0.966153423
## 12	1.452287040	0.54711003	0.2759711505	-0.834022246	0.558917069
## 13	-0.305576026	2.04745155	0.8027615834	0.634982531	-1.894895114
## 14	1.414214881	-0.27958249	-0.3837674290	-3.229352449	-0.660298929
## 15	1.222299778	-0.78252969	0.3139684448	0.053286548	0.280771625
## 16	-0.426335700	1.84712764	-0.6778538287	-1.108210736	0.307893789
## 17	0.012973555	-0.01790121	0.1738029798	-1.643646476	0.375499199
## 18	1.105756712	-1.05747916	-1.5988126061	0.005213050	0.337966035
## 19	0.248431940	0.85947458	-0.2317928319	-0.185067755	-0.425159179
## 20	-0.034340004	0.35439164	2.9549879478	-0.652218328	-0.611980303
## 21	-0.639151200	-1.59024600	0.0843035390	-0.681160247	1.106923841
## 22	0.254847219	0.02972409	0.1930614347	-0.870545055	2.034532654
## 23	-0.602998799	-0.31126714	-0.7662704197	-1.816931669	0.081685195
## 24	0.363083570	0.57179119	0.7818645590	-0.875506539	-1.017926332
## 25	0.759830673	1.61552507	-0.2109950265	-1.378682144	0.220741593
## 26	-0.547659374	-0.18370129	1.1896584469	-1.486616246	1.549221889
## 27	0.934632273	-0.74744372	-1.6337424155	1.786779239	0.479188378
## 28	-0.796432774	0.12168114	1.5259917040	1.742068777	-1.039836428
## 29	-1.412686658	-0.34626446	-0.7172802812	-2.067789551	-1.388426950
## 30	-0.132196923	-0.14287771	-0.4357042510	0.082469334	1.701000157
## 31	-0.332823605	-0.09293452	0.4875186658	-1.292486300	-1.195303019
## 32	0.089482303	-0.72670831	-0.4023563215	0.744554005	1.708905443
## 33	-0.515576153	0.47821768	1.3242707766	-0.172817919	0.831617421
## 34	-0.528541995	0.83261417	1.7634655922	0.294182196	-0.979855950
## 35	-0.583409899	-0.92460955	-0.0297348672	1.383241588	-0.164500806
## 36	-0.513426335	0.89076851	0.0797811804	0.289228480	0.935111073
## 37	-2.055225892	0.76836991	-3.0284266858	0.580471776	0.964621277
## 38	-0.112770089	-0.10790706	-0.8052041512	0.732871069	-0.277516934
## 39	0.509677693	0.02557006	0.5982522924	-0.356257804	-0.659764086
## 40	1.089454115	0.36716551	-1.0431203665	0.101118412	0.778453968
## 41	1.079372729	1.52452804	0.3621703309	-1.240419545	0.317338385
## 42	0.905009169	0.44293808	-1.6104248790	0.373333981	-0.725379872
## 43	-0.356065509	1.25831373	1.9751475981	0.971065612	1.723869952
## 44	0.246656478	0.60650564	-1.7608803849	1.023052224	-0.838744677
## 45	-2.754752842	-1.29438483	0.8022145571	-0.956779768	0.165878676

## 46	-0.352828620	-0.25998221	1.2450120333	-1.856450150	-0.744820433
## 47	-0.265967984	0.29164616	0.5553007288	1.909755883	-1.267945554
## 48	0.356793189	-0.80507373	1.1927377146	-0.894354086	0.515132791
## 49	1.267303609	0.66725797	2.2295981317	0.619088462	-1.001556873
## 50	0.594759767	0.21387166	-0.1044089403	0.077363342	0.692206286
## 51	-1.913985749	-0.82478333	-2.2061111328	-0.229268700	-1.805768388
## 52	1.221466812	-0.28024011	2.0859899477	-1.047294872	-1.457434128
## 53	0.660540682	1.08570985	-0.3446897378	0.961094768	1.265803396
## 54	0.975364742	-0.53115619	0.3368771297	1.066670880	-0.998438437
## 55	1.098451524	-0.07305003	-0.0549358491	-0.084809504	0.802121905
## 56	-0.063469667	0.26450334	-0.0082687972	0.044204759	1.154242456
## 57	-1.378477196	1.28896305	-0.3339281870	1.471476247	-0.100132544
## 58	0.788679437	-0.31092581	0.1552374088	0.916371429	2.293057758
## 59	-0.067217787	0.36006862	-1.3170937073	-1.106326458	-0.643213309
## 60	0.565175878	0.81374704	0.1786094699	0.275342358	0.675628205
## 61	-0.691872568	0.52892211	-0.1698514512	0.176045747	0.576462417
## 62	0.354156312	-2.28641465	-0.1796868852	-1.475606590	-0.397940859
## 63	0.195293200	0.38922555	1.8303039646	0.504140620	0.565178343
## 64	0.899279168	-0.89211434	2.0639486460	-1.618618299	0.815564639
## 65	-0.975722978	-1.37936732	0.6030095085	-0.323663737	-1.768034831
## 66	0.029662205	-0.42619243	1.5050189351	-0.358157409	0.541876781
## 67	0.030540235	-0.55208387	-0.5292778087	0.603376907	0.040662216
## 68	-1.097461319	0.41715676	-0.5710772979	-2.130211754	-0.670135002
## 69	-1.081894949	0.71459668	-0.6740947071	-1.036804548	-0.588981811
## 70	1.183806888	0.71051817	0.5482895462	0.590333718	-1.515033213
## 71	0.579226879	-2.65353497	-0.9307466137	0.553978079	-1.100456115
## 72	0.348505303	0.80817476	0.1038317962	0.130673479	1.770421631
## 73	-0.815977865	0.23525558	0.8281248529	-1.198861615	-1.630513636
## 74	0.666519502	-0.65222722	-0.5461450283	-0.759093101	-0.305700944
## 75	-1.692074337	1.04289318	1.2994527497	0.420038881	-0.535510217
## 76	-2.068839367	0.78655980	-0.9761978191	-0.572814291	0.480997681
## 77	0.897241691	2.60242210	2.3208815700	-0.382823981	1.937592202
## 78	0.574281834	0.73230912	0.8423977406	-0.529516258	0.185149995
## 79	0.392726166	-0.55438717	2.9044743442	-0.685644141	0.231658257
## 80	1.959374971	-1.32060223	1.4985590398	1.593185542	-1.347776492
## 81	-0.397139105	-0.61753110	-0.2727423375	-0.272123944	1.213476373
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## 83	1.591989712	2.11665688	0.5134187627	0.180766190	-2.717131018
## 84	-1.071329796	0.01110333	-1.0733458043	-0.754558032	-1.597238679
## 85	-0.153122645	-0.57743158	-0.0002173226	-0.135489385	-0.691040212
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## 92	0.097212296	1.01124946	-0.9648849737	0.405034042	1.067066131
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## 94	-1.240098526	0.06213247	-0.9503706860	-0.037960691	0.987646910
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## 96	1.166799292	0.30926976	-1.0941357917	-0.182336233	0.954162236
## 97	0.326133126	1.04875194	-0.4800003902	-0.772445103	-0.138594152
## 98	-0.400232312	-0.47075562	-0.9504280710	0.277352623	0.741084104
## 99	-0.407918140	1.31484076	1.5892084351	0.372823601	1.260103604

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## 100 0.138605049 1.36296732 -0.6279738439 1.081694563 0.828607636
## 101 -0.098460489 0.29195860 0.1800208439 -2.278260086 -2.287984155
## 102 -0.859946274 -1.05563384 -2.4856548304 0.879235126 0.595477364
## 103 0.894954793 -1.80566303 0.9217440374 1.270982358 -0.647805899
## 104 0.704805581 1.38578768 -0.1017974637 -0.050195888 -0.187728053
## 105 1.593683812 -0.92055991 -1.2664357469 -2.138426539 1.093014201
## 106 -2.325341793 -1.27145907 -0.4055993726 0.021902384 -1.294426475
## 107 -0.467607043 -0.88851914 1.0244016058 -0.576811466 0.612346897
## 108 -1.033841485 1.56482680 0.2774641889 -2.118573293 0.458801053
## 109 -0.660790588 -0.91954366 -1.1480781192 0.561791944 -0.333447707
## 110 -0.124797611 0.47922069 0.7787621890 0.526745914 0.377173976
## 111 1.611556984 -0.13142468 -1.8674186634 -1.769130404 0.800593061
## 112 0.256326386 -0.35682152 -0.0401809906 1.178787068 0.813879647
## 113 0.780173154 -0.48081768 1.1113827449 1.003380966 0.122775863
## 114 0.299479423 1.80909348 -1.2552849007 -0.150804633 -0.201251861
## 115 -0.932423461 0.78384411 -0.5334013098 -0.477635182 -0.484108330
## 116 0.169586584 1.00256103 0.9202158501 -1.527267953 0.703865508
## 117 1.354472020 1.22048886 -0.7982187240 -1.187689406 1.466690496
## 118 0.080828390 -0.29338882 0.0042176910 2.034976348 -1.608534528
## 119 0.584302891 0.56328616 -1.6336875207 0.854301850 -0.312360083
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## 121 -1.403023472 -0.31180381 0.9780616837 0.694281208 1.148358474
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## 123 -0.275417521 0.60458288 0.0590105035 -0.372354068 0.666787031
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## 128 0.146344818 0.75559979 -0.9226718231 1.100464236 -0.599319138
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## 130 -0.066437111 1.15386039 2.2743358960 0.402772616 -1.377005640
## 131 -0.221392144 0.97478578 1.8831543466 -0.668809693 1.520102840
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## 134 -1.296156582 -0.93532442 -1.1726039734 0.781214446 0.590068441
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## 138 -1.911086879 0.36809582 0.8759267139 1.166014486 -0.581273111
## 139 -0.996473568 -1.09070075 -0.6930320972 0.459597662 0.314805290
## 140 -1.104141000 -0.97912735 1.0875394962 0.288485294 0.024356581
## 141 -0.441508196 0.59153389 -0.7917393119 -0.304472246 -1.096047184
## 142 0.229511892 -0.22898411 0.2221551379 0.198362855 0.797219096
## 143 -0.345163163 -0.74068653 0.9834501899 0.387675038 0.652561360
## 144 -1.076142747 -1.53149377 -0.4714173369 -1.380205816 0.551814936
## 145 -0.053799948 -1.10453960 0.6098307676 -0.648952445 0.035361931
## 146 0.042513282 -0.07356791 -2.7522992199 0.199704199 -1.335688536
## 147 -1.473680073 -0.13135693 1.9329752148 -0.578420563 -0.422956909
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## 149 -1.634715715 -0.87718081 -0.0930651904 0.638165733 -0.615733021
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## 151 -0.268779624 -1.01816503 0.6394256393 -2.072421844 0.016785518
## 152 -0.238064161 0.04996304 -0.2444821767 -0.786370181 0.995071656
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## 154	-1.519677127	1.61523365	1.1085999264	-0.135299117	0.047757328
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## 164	-0.570859947	-0.27387500	-0.1639443597	-0.369298926	-0.145016903
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## 166	-0.466450738	-0.23640893	-0.6791003829	0.054409873	-0.859925909
## 167	0.587496147	2.22346796	-0.3338072990	1.319305370	-1.223637376
## 168	0.233352491	-0.33197925	-0.5158058230	-0.047044514	0.596966053
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## 172	-1.157380489	-0.38707285	-1.3529938082	0.336272694	0.083765932
## 173	1.247105633	1.56286843	1.3223787887	0.534986454	0.080713177
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## 175	2.932322714	-0.24449697	1.4397212744	-0.004272845	-0.646869638
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## 177	-0.924538368	-0.53121237	-0.1874298678	1.254537189	-2.346981106
## 178	-1.540584672	2.21847977	-0.2298926935	1.274599733	-2.024271481
## 179	0.124445768	-0.12329030	-0.2855782150	-0.003541705	1.129480816
## 180	1.563525842	-0.04401020	-0.4643539521	-0.994558926	0.060323421
## 181	-1.246954522	-0.86840623	1.4318975217	-0.658086758	-1.902359763
## 182	1.283711621	1.28825747	-1.9718487013	-0.254505777	0.905487479
## 183	0.554921521	-0.72913849	-0.4640531097	1.423545405	-0.144461940
## 184	1.496503823	1.13427179	-0.5821874712	0.694803949	-0.003105997
## 185	-1.372538106	1.89224811	0.0350918195	1.370244714	-1.819174739
## 186	-1.263118189	2.40321311	-0.5143960937	-1.331481556	0.210526705
## 187	0.978844604	1.99060769	-0.5928363150	-0.419622519	0.864107841
## 188	-0.859672571	0.05338052	-0.2053222276	-0.126607443	-0.417154858
## 189	-0.225530163	-0.04870249	-1.4580579793	0.114318364	0.835014198
## 190	-1.385580998	0.57581153	-0.2901126758	0.908110164	-1.869692466
## 191	-0.496651692	-2.26810985	-0.9114584682	0.457276158	-0.254904829
## 192	0.125600337	-0.61731954	-0.3027805682	-0.542417683	0.336077874
## 193	1.561286625	0.81818638	0.0515967112	-0.786027423	0.268330633
## 194	0.396793740	-1.32572713	0.2324455916	0.220507303	1.553873633
## 195	-0.431945705	-0.09292353	-2.5749009778	-1.163451641	1.013989062
## 196	0.675906271	0.26200125	-0.0829441301	0.264177694	1.048731002
## 197	-1.788806999	0.41346960	0.6791278647	0.347612610	-1.180000646
## 198	-0.716940209	-0.44799014	-1.1307060343	1.506157388	-0.915888994
## 199	1.628330900	1.07481441	-1.1032693464	-0.396089473	0.742138355
##	V83	V84	V85	V86	V87
## 1	-0.086376510	-1.185531595	-1.022657684	-2.2669351984	1.343183499
## 2	-0.248776490	-0.228441378	1.672079485	1.6988469472	0.081608680
## 3	-3.038860603	-0.387597497	-1.782564926	0.8542800512	-1.429380432
## 4	0.476378925	-0.075177756	2.318518115	-0.5771972284	-0.304687388
## 5	0.646357847	-0.631779966	-0.429260713	-1.9464418574	1.272399985
## 6	0.315634571	1.130086267	0.294251465	-0.8667983251	1.026527192
## 7	0.630116680	0.797799656	-0.016175433	3.4649393596	1.730357444

## 8	-0.906272278	1.228994913	-0.944069643	0.0523305640	-0.349833096
## 9	-1.527812493	-0.098434948	2.511376606	-0.5944920901	-0.350061292
## 10	-0.218876360	0.701625061	-0.851188514	1.7698240638	-1.186791968
## 11	-1.325406761	0.222879411	-0.009392139	0.2469071325	1.550628022
## 12	-1.199822740	0.125755746	-0.355690747	-0.9597841417	-1.748643224
## 13	-0.059027021	-1.168475782	0.810652536	-2.0203528429	-0.263712812
## 14	-0.030770403	0.376275347	-0.364355530	-0.2155743799	-0.342641590
## 15	1.469176926	1.019409830	-1.879811675	-0.0901212873	0.522039513
## 16	-0.889100302	-1.501067696	-0.439777682	-0.9069246073	-1.085906504
## 17	0.748504497	-0.913350611	0.512137140	-0.2408620590	0.442778349
## 18	-0.036301747	1.181161569	0.643294716	-1.4702024677	0.362620176
## 19	1.120626924	1.788568072	0.760836865	0.3280939562	-0.261464583
## 20	-0.128292152	-0.102413899	0.698743301	0.2185765949	-0.281906706
## 21	-0.444304290	0.546018278	0.945416735	0.3648010141	-2.099933168
## 22	0.702951661	0.758358899	-1.293687263	-2.5381184307	0.594734152
## 23	-0.322173886	1.156327276	-0.538924050	-0.4554414670	0.288866103
## 24	-0.163415124	-0.389780525	-0.550113562	-1.9316821967	0.408745812
## 25	-0.745553401	0.052984872	-2.408016428	-1.8509160695	1.653931462
## 26	0.556722144	-0.165300074	1.343278158	1.7474454107	-1.150957984
## 27	-1.433199731	-0.303576342	1.166837105	0.7938533087	2.367226264
## 28	0.862049204	0.479506521	-2.072035539	-0.6813049430	1.027132608
## 29	0.118784417	0.151378349	-1.382331693	-0.5298714360	-0.347475348
## 30	0.574858090	-0.180413465	0.479011768	1.3615963736	0.160032616
## 31	1.353052446	1.157465253	-1.127250093	2.0653121623	-1.186241698
## 32	0.483481050	1.083237226	0.547440187	-0.3603251732	0.518093439
## 33	1.129223064	-0.935888824	-0.979200611	0.3170695169	1.597094826
## 34	-0.013020289	-0.676471905	0.896704245	-1.5481536996	-0.659402779
## 35	0.375355139	-1.285636695	0.692524353	0.5831974845	-2.044531189
## 36	0.223875386	0.065849646	0.798986730	-0.6302921022	0.504391236
## 37	-0.554077093	0.427314690	1.309934638	-0.9240471150	1.536917384
## 38	-0.330411158	0.279520248	-1.340901007	-0.1533448072	1.049985797
## 39	1.104012243	-0.472675356	-1.217460156	0.5152475556	-1.045995738
## 40	0.132209736	-2.001032682	-0.828637816	-1.9184264505	0.063578540
## 41	-1.838795747	1.010926924	-0.071143990	-0.5078144113	0.883790571
## 42	1.017512926	-1.044425566	0.471017909	1.1321600215	-0.080281982
## 43	0.071616760	1.000229286	0.194410253	-0.9595620600	-0.276253998
## 44	-0.264204939	3.269131035	0.871781969	0.7119518903	-0.893710963
## 45	0.814868729	-0.177712439	-1.395331403	-0.9008637940	-0.226699975
## 46	0.019266802	0.169617139	-1.058879941	0.8375609955	1.484604433
## 47	-0.745024665	-0.387459518	-1.439167268	0.4971005221	-0.030592022
## 48	0.806154800	0.672413642	0.461650089	-0.5343121645	-0.158145431
## 49	2.150779189	1.590611258	0.052472970	-1.2666153192	0.934581326
## 50	-0.804078410	0.083814541	-0.199828279	-0.7068219563	0.558458668
## 51	-0.422541425	0.346556367	-0.587533892	0.7135356880	0.290060727
## 52	0.569438895	-0.848184676	-0.463294560	0.7693580391	-0.161082829
## 53	0.771601050	0.934091388	-0.893185733	-1.1110786693	-1.831976172
## 54	0.210937902	-0.950185537	2.844927261	1.0266552315	-0.687532034
## 55	1.502116084	1.400767220	-0.791830291	0.9919777500	-1.967159845
## 56	-1.003554351	1.342500262	-0.389278222	-0.2841168961	1.780918471
## 57	-0.268609013	-0.909581275	0.499085249	-0.2018144318	-0.444086537
## 58	0.089284820	0.029474752	1.128189384	0.1056303861	0.324669739
## 59	-0.225223060	0.171542174	-0.309834185	2.1503407489	0.232135909
## 60	-1.025216194	-1.610108360	-1.283883677	1.4458594766	-0.793071741
## 61	1.335354319	0.258848489	0.129302882	-0.1037201127	0.365325975

## 62	1.540522875	0.475807801	1.086496424	0.4291703554	0.828936402
## 63	-0.288935261	-1.026026836	0.182047117	0.0531244658	0.083394621
## 64	-1.098154737	-0.647074191	0.114111558	-1.7449697603	-0.634572257
## 65	0.080789197	-0.717765072	-0.547220189	1.1561589908	-0.579574463
## 66	-1.251706216	-0.279842760	-1.778630796	-0.8618694529	-0.309089658
## 67	0.369468187	-0.037483325	-0.015701518	1.8809133801	-0.043014451
## 68	0.481663481	0.438767729	1.085391689	0.0845546175	1.411298980
## 69	-0.617547070	-0.304294412	0.493113499	-0.2491953872	0.829244604
## 70	-1.728458273	0.027861089	0.747573738	0.0748849962	-1.377739873
## 71	0.741796086	-0.766201058	-0.454176363	1.2381185839	-0.413590401
## 72	1.653912639	-0.470256170	-0.890161066	0.1006519848	-1.436643868
## 73	-1.330251320	-0.328824532	-0.318748182	-0.4543463689	0.841515900
## 74	0.560610120	0.450654802	0.093316543	1.7652598727	0.768178165
## 75	1.138934305	-0.209740798	0.753568897	-0.5172307638	-1.560891300
## 76	0.738502638	-0.079211066	-0.124232537	-0.6549557751	-1.870727865
## 77	-0.856520059	-1.964325687	-1.063265875	0.3303977705	0.181081256
## 78	-1.367048854	-0.537726009	-0.700333643	0.0782525552	0.169802131
## 79	0.209922166	1.224837378	0.493227357	0.3644814022	0.607283766
## 80	1.545841499	-0.973668440	-0.475222319	0.2630933235	1.123552829
## 81	-0.886734174	-0.687386522	-0.271887520	-0.9788648448	0.902631761
## 82	0.180460428	-0.943062091	0.666780185	-0.6832750931	0.052775940
## 83	-1.922386561	-1.314243042	-0.150089608	1.1067333189	-2.604565611
## 84	0.477859030	-0.582223142	-0.600976366	0.4364305635	1.738050020
## 85	0.394540767	0.053146274	-0.102163272	-0.8436565219	-2.012762054
## 86	-1.280038227	-1.880313287	1.738711312	0.6715324565	0.064129625
## 87	1.488619204	-0.948503497	-1.461302349	-2.2405733644	-1.194436934
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## 89	-0.368623113	1.187203988	1.085314368	0.5834557032	0.118657114
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## 91	1.036051145	-0.715865453	1.629939573	-1.1533835378	0.396049984
## 92	1.012767263	0.063396764	-1.688345591	1.0881792756	0.156162003
## 93	0.160809144	-0.224413167	-0.581321320	0.4077014088	-1.585574288
## 94	2.077467713	-0.578504218	-0.286310502	-0.6851247926	-0.288481409
## 95	-0.433198705	0.006718326	-1.106479448	-0.5145164987	0.869631129
## 96	0.212804553	-1.074125452	-0.481448958	1.1282741933	-0.540416751
## 97	1.658346668	-1.584931409	-0.462857618	0.5554092035	0.698074164
## 98	-1.379398038	-0.997704025	0.732190555	0.2102002918	-0.074766560
## 99	-1.652404756	-1.274559978	0.770791965	1.0099616552	-0.004480356
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## 101	-0.337032219	0.985384157	1.537311055	-0.8223396262	-0.102027464
## 102	-0.881366101	-1.443655757	0.633992526	-0.6255350562	-0.526079675
## 103	0.703393905	1.141814249	-0.814175396	1.1763989283	0.864237391
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## 105	0.419825485	0.626152304	-0.183599985	-0.9088858405	-0.178033283
## 106	1.578131464	0.017602456	2.159796891	-1.5772470900	0.058366387
## 107	0.917722550	1.338530735	1.747264538	0.2282955957	-1.812437956
## 108	-1.318109962	0.755414647	-0.688205039	0.1463117518	-1.272963116
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## 110	1.318505829	0.089803240	0.938851009	-1.2799334828	0.287718346
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## 112	-0.653847059	-0.008821943	-1.133941674	0.0586215770	2.098898767
## 113	2.162168415	-0.193945005	1.227210967	2.1895244118	0.594915885
## 114	-0.085743947	-1.313471655	1.838626243	0.8641112463	-1.115001270
## 115	0.189882499	-0.720709325	-0.088972929	2.7136839838	2.186194449

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## 116 -1.409246653 -0.081173378 1.004848225 -0.9979647558 1.438147899
## 117 -0.026503429 -0.462145738 -1.056626591 0.8366527325 0.300349782
## 118 0.566403791 0.227261038 0.187925882 0.3910603642 -0.428338527
## 119 -0.006676959 1.171962728 0.742731693 0.2029445919 -0.737953161
## 120 1.170521527 -0.373096458 2.341767898 0.9937076072 -1.565899089
## 121 -0.384154805 -2.339346334 -0.664905975 -0.4488533580 1.100766008
## 122 0.545942939 0.561883360 -0.720329111 -1.9701771177 0.578672753
## 123 0.724123568 -1.093360449 -0.249651751 0.4469598273 -2.074182230
## 124 -0.485186273 1.404306797 0.824646795 -0.5981737820 0.315207480
## 125 0.839207175 0.620730624 -0.558159805 -0.7223059387 -2.373451056
## 126 0.048459431 -0.720109445 -1.578115317 0.3157738610 0.721765640
## 127 -0.204286192 1.221566224 0.719628542 -0.2124242175 -0.739753844
## 128 1.411428308 0.378873952 -1.532419377 0.8870688526 -0.795248465
## 129 0.621668024 0.562491757 -0.391100003 -0.8406642777 2.187675885
## 130 0.083480643 -0.535395248 -0.241663857 -0.3716050429 -0.919041746
## 131 -0.849316395 1.051020071 0.408927744 -0.0419874822 0.873361286
## 132 0.011328874 0.231066680 -0.053763620 -1.7895455833 1.308805556
## 133 1.988182930 0.942906548 -0.364850524 0.3013992103 0.081221989
## 134 0.219340357 -1.184462011 0.323272445 -0.9058513320 0.326462889
## 135 0.574425317 -0.343065872 -1.117263776 0.8964442931 0.451400744
## 136 -1.181039916 1.088158661 1.248157919 -1.9600640960 0.383441031
## 137 1.652674886 0.052705016 1.460221443 0.2013022701 -0.689728075
## 138 0.200224851 0.161443710 -1.543688912 -0.7066024023 0.843156057
## 139 0.348094338 -0.141419560 0.502754093 0.8050292971 1.164460759
## 140 -0.442029661 -0.683200480 -0.850004076 -2.1746649815 0.100542980
## 141 0.438816555 0.366334643 -0.758138773 -0.3536706096 0.123303018
## 142 0.320133525 -0.621769489 -1.297928099 -1.0783529050 0.786928740
## 143 1.165331494 0.389976001 -1.329728369 -2.2585516934 -0.020951661
## 144 -0.484793557 0.652899232 0.872130506 0.3755333886 0.286214971
## 145 -0.018650392 1.842458887 -0.329232575 -0.0143132538 -1.131977384
## 146 -0.134691850 0.545944255 0.785114336 -0.7726757891 0.937745806
## 147 -0.632804850 0.076646629 0.320394450 0.2024891923 1.067091800
## 148 -0.431297660 -0.145767911 0.101576817 0.4691221741 -0.002843489
## 149 -0.156015103 0.601040949 0.051283253 0.4780049962 -0.639097069
## 150 0.444147176 0.270333655 0.111677535 -0.7406143870 -1.092106455
## 151 -1.050076367 0.937330603 -0.819000923 -1.7716450701 -0.348484452
## 152 1.143405379 -0.179707351 1.306909707 -0.6275442829 0.539242294
## 153 2.270244148 1.167771703 -0.237651669 0.7079557855 -1.335199346
## 154 -0.096957352 0.517960345 -0.113498810 0.3414026649 -1.294667662
## 155 -0.289592054 0.832421464 0.943828150 -0.1063435750 -2.874936831
## 156 2.380910822 0.048318050 -0.142712391 -0.3949591496 -0.682686532
## 157 0.706275599 -0.423528803 0.136256679 0.0001374426 -1.163539864
## 158 -0.724063355 0.145902039 -0.711626825 0.1085712154 -0.317451023
## 159 -0.619711000 -0.837899746 -0.781518194 -1.2575186211 -0.100351255
## 160 1.122045562 0.775709557 -0.723494560 1.5084536014 0.999949835
## 161 0.597141093 -1.207398681 0.134724639 -0.4781201867 0.324438392
## 162 0.067654701 1.152836098 0.099530318 0.7120955674 1.179960551
## 163 -0.985692652 -0.059180111 1.819370857 -1.3557150465 -0.122837408
## 164 1.513420317 2.546923379 -1.231585444 0.7459976587 0.153292236
## 165 0.363071901 1.288068122 1.541382262 0.1798313401 -0.655418745
## 166 0.200303822 1.961783781 -1.796980958 0.2836346178 -0.545489193
## 167 -0.161844841 0.027203199 -0.578594297 -0.0970149435 0.008759538
## 168 -1.197345396 -0.101920818 1.532952931 2.2461718129 -1.873160614
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## 170	1.125529008	-0.893702053	0.471402373	-0.2828100682	-0.481632684	
## 171	-0.151607824	-0.914565772	-0.088786323	-0.3242886545	-0.801935946	
## 172	0.043325334	-0.307822319	-0.269088126	0.1338574833	1.336293124	
## 173	1.218272954	0.364696369	-0.360972523	-0.7892284637	-0.830697383	
## 174	-0.787153643	0.257685333	1.046942323	-1.6598953429	0.376012056	
## 175	0.572130158	-0.671820156	-0.215536838	0.5864211442	-0.271855692	
## 176	-0.653263026	-1.446794482	0.247463082	-1.3821633675	-1.936348657	
## 177	0.680150454	0.336686035	0.598706037	0.2741580534	-1.500296724	
## 178	0.923163148	1.586478327	-0.126466642	0.7416962525	-0.922431230	
## 179	-0.122408349	1.512452616	1.103590855	1.8939931328	0.548579271	
## 180	2.160699481	0.753700403	-0.367295879	-1.4764136020	0.455612040	
## 181	1.519794448	-1.368836297	-1.113284791	-1.5671757920	0.113548916	
## 182	1.472190772	-0.185804716	0.513751408	1.2402319644	-0.230445556	
## 183	-0.598868784	2.887342457	1.198913905	0.1566696183	-1.286519101	
## 184	0.641747008	-1.630786857	2.053024923	0.0862386630	-0.721970160	
## 185	0.130045308	1.584316075	1.541693479	0.0733951110	-0.655156366	
## 186	1.535332970	-0.338309363	-0.818577523	0.4434276976	0.177826036	
## 187	-2.482292010	0.960200281	0.464719569	0.8377651137	-0.894760131	
## 188	0.716400872	1.253604139	1.025826062	-0.5464706267	0.026020615	
## 189	-0.835737376	0.404740521	1.100664684	0.2843070046	-0.524823811	
## 190	0.692443048	-0.302107319	0.371559045	-0.1894302315	1.331740472	
## 191	0.441176641	-0.815959682	1.153859797	0.1426628666	-0.936023811	
## 192	-0.450348529	1.651222899	-0.241683062	-1.1159179105	-0.707123136	
## 193	-0.747522098	0.065183364	-0.943694630	-0.3830855495	0.005411453	
## 194	-1.092394808	-0.120709795	-0.648522485	-0.3991199880	1.057948092	
## 195	1.236134230	0.982014658	-0.366960421	-0.0101659017	-0.152967195	
## 196	-0.866011616	-1.202732660	0.584811254	1.1160109189	-0.095299370	
## 197	-0.401605674	0.068909450	1.293109110	1.0067595537	0.615946448	
## 198	1.210015372	-2.300558193	-0.856558121	0.6172670749	-1.060239913	
## 199	-1.254545351	0.211760486	0.844745764	-1.4541427288	-0.745226494	
##	V88	V89	V90	V91	V92	V93
## 1	0.735456623	1.54994623	0.78164595	1.58081518	0.040391261	-0.52032843
## 2	-1.080349222	-0.40773009	-0.04574874	1.04832222	-0.641024580	0.98061079
## 3	-0.039572128	-0.18181862	1.12479987	2.60599907	0.521057749	0.46243451
## 4	-0.241846922	0.32806896	0.49459009	-0.49777018	-0.237666886	-0.54476904
## 5	-1.632420079	1.34701659	2.03617705	1.29563906	-0.042078249	1.47350359
## 6	-0.558260308	1.06526984	0.10293630	-0.02175952	-0.858317312	0.27110811
## 7	-0.330791518	0.39656497	-0.12867058	1.81936148	-1.576693476	1.70057809
## 8	-0.131214365	-0.46514339	-0.36025874	-1.12615778	-2.323316819	0.69204676
## 9	-0.132968423	-0.47931093	1.39204746	0.59098947	1.199254886	-0.32889278
## 10	-0.314995249	0.53509613	-0.14433893	1.56997151	0.514459681	-1.37080410
## 11	-0.376777643	-1.65703854	-0.37537066	-1.93043944	-0.251431719	-0.61408494
## 12	0.326307059	0.07221706	1.72881803	1.47360833	0.263560214	-0.61494763
## 13	0.254630115	1.11249132	0.84140579	-0.76213385	0.411883749	-0.83772916
## 14	0.148949965	0.45133778	0.09555875	1.24383783	0.576418215	-0.15608800
## 15	-1.235359758	0.30784687	0.26153543	0.88686614	-0.492810057	0.63289646
## 16	-0.402671542	0.29235921	0.94698367	0.33672690	-0.238094858	1.09672429
## 17	1.464865735	0.13845409	-1.16508928	-0.79928060	1.476291592	0.86523892
## 18	-1.118672356	-2.29513735	0.35742733	0.73299941	0.114025846	-0.90643336
## 19	-0.809120114	-0.04161103	0.98055922	1.45393461	0.694086271	1.24013500
## 20	1.246248845	1.60998694	-1.65370481	0.29576864	0.482825000	-0.07454455
## 21	1.413738117	-0.81784512	0.42329131	-0.77539161	1.287574769	-0.02254204
## 22	0.167739057	-1.13063482	0.72977566	1.69856505	1.042870245	-1.17675471
## 23	0.140155548	0.06475507	0.77380741	-0.17202381	-0.030414414	-0.46865999

## 24	-0.502535094	0.92352290	1.30610797	-1.72496358	-0.147541822	-1.41554622
## 25	0.252142517	-0.46588963	-1.46087702	1.45989728	0.344282498	0.36526218
## 26	0.648626205	-0.23368235	0.56911383	1.18559723	-0.204582858	-3.01591952
## 27	1.420595734	0.84411693	-0.95178669	0.68755195	-0.971062162	-0.09616074
## 28	1.432886597	2.91252607	0.52841158	0.38861349	1.632510156	-1.66630813
## 29	-0.047011185	-0.52811406	0.42946870	-0.91484629	-0.005966293	-0.27758041
## 30	0.874108511	1.04037144	-0.71216576	-0.38554561	0.071536843	0.30699330
## 31	-1.898606416	-0.18647169	2.40873124	1.78157981	-1.128519197	0.94655471
## 32	-0.126781151	1.60150495	0.36733214	0.69759365	-0.701437678	-0.49086732
## 33	-1.773670837	-0.64559783	0.71810274	0.07520549	0.357518195	-0.38068343
## 34	0.606277590	-1.74698177	-0.13165051	1.03699357	0.842670997	-0.19765937
## 35	0.407716833	0.48330476	-1.74467110	-0.27463444	-0.839767841	-1.35259164
## 36	1.029793386	1.30028804	1.12505463	-0.33060372	1.354449927	1.20710608
## 37	-0.201664324	-0.56428802	0.23445117	0.45580779	0.211751946	0.52505373
## 38	-0.166231301	-0.08055714	0.09905058	0.46094302	0.348766696	-0.45350658
## 39	-1.385091254	0.33175062	1.31773456	-0.02770454	2.351587673	-2.13944092
## 40	-1.417683918	-0.83183192	1.19080053	0.12729355	-0.211596983	-0.78342509
## 41	0.319128433	-3.33386550	-0.84412589	0.54566827	-0.453720871	-0.37368142
## 42	0.847113098	-1.87542935	0.87484496	0.43371469	-0.022634339	-0.33915045
## 43	-0.306801175	-1.29189787	-1.39940064	0.42922334	-1.661418643	-1.31220866
## 44	-1.163919695	-0.46286592	-0.02615685	-1.51376341	1.727375645	0.68759744
## 45	0.662958796	1.00414843	0.03953251	0.72009163	-1.566517763	-2.61964153
## 46	-1.390204337	-0.96934071	0.87785613	-0.07413740	0.085921368	-0.49295625
## 47	0.817078890	0.48132120	-0.68898202	-0.50036799	-0.082171434	-0.87306147
## 48	0.552616796	0.62379283	-1.22668957	-0.48586645	0.578152642	-0.05839115
## 49	1.037049159	-1.42973735	0.33361063	0.14174775	-0.964842329	-0.52200533
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## 51	1.158506154	-0.18102920	0.80224011	-0.62637859	-0.392361246	-0.22788064
## 52	-0.044668746	2.00037590	0.04878889	0.99712438	-0.014747884	0.79737361
## 53	-1.076982857	0.15095519	2.23902767	-1.17069712	0.616380160	-0.83053785
## 54	-0.924771619	-1.19838775	-0.37210162	0.20080497	-1.609719131	-0.19895654
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## 61	0.499320360	-1.33639309	0.87574777	0.50251367	0.440645679	-0.56495620
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## 66	1.256566225	0.21036158	0.15926365	-0.61584286	-0.339080288	0.65931025
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## 68	1.544169523	0.28559844	-0.58850815	-0.41799428	0.377128173	-2.13747384
## 69	0.295926971	0.57834419	0.73468412	-0.48808560	-0.279979622	0.05849501
## 70	0.983096096	0.42629242	1.56904676	0.24410241	-0.046651190	1.00634262
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## 73	-0.491594148	-1.22579284	-0.07641170	-1.67023040	-0.153638540	0.57704804
## 74	0.050121415	0.19178551	0.16187649	2.25723134	-0.234281694	-0.53095415
## 75	-0.084762631	-0.02063161	-0.92055867	-1.73938373	1.639104667	0.74135277
## 76	0.719299642	0.51411310	0.39698124	0.55654249	0.856984652	1.75719156
## 77	0.924338937	-0.69151367	-0.51285320	0.69905883	-1.407719164	1.24406916

## 78	0.721173699	1.19251678	-0.24905130	-1.42612303	-0.586935374	0.03877602
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## 80	0.240110704	0.18605827	1.12590273	0.52518885	1.465084931	-1.18308579
## 81	0.853957513	0.13248394	1.15800716	0.73206653	1.446327399	-0.34623136
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## 86	-1.798400645	0.52996537	-0.56133090	0.88975772	-0.780997952	-0.48154207
## 87	0.315629246	1.04442730	2.54864949	-0.09141443	1.384707911	-0.90673912
## 88	0.482479719	-0.09800080	0.58244254	1.57960857	-0.275259682	-1.34089886
## 89	0.500347479	-0.50615607	-1.32367764	0.43286709	1.633202507	0.32146950
## 90	-1.215787706	0.11822413	0.24230852	0.46091587	-1.287603882	-1.70626527
## 91	1.022320985	0.63200849	-1.44037951	-0.70138874	1.177207867	1.02639526
## 92	0.437886167	-0.72778423	0.26735936	-0.59270197	0.157386662	-0.55874230
## 93	0.566821725	1.43500906	0.53542603	-0.76514549	1.303062207	-1.02309366
## 94	0.704603202	-0.31726475	0.77373947	1.11545515	-1.485678336	-0.27066722
## 95	-0.468902308	0.81859056	1.67976381	0.30724963	-1.238523904	-1.11567745
## 96	0.573382880	-1.03116301	0.50296865	1.12611855	0.475080256	0.49792857
## 97	0.696825710	-0.13494857	-0.26739225	-1.00390452	0.692031129	-0.16686786
## 98	0.032738423	-0.44375650	2.65587223	-0.21716846	-0.183450593	-0.30794098
## 99	2.303624598	0.79966488	2.44475072	-0.64701878	-0.764578443	1.39907664
## 100	-0.145681143	0.20654521	2.58938620	-0.87043578	-2.146164191	-0.01518369
## 101	-1.168526114	-0.03677776	0.07137964	-0.98077247	-0.406400516	0.37672169
## 102	-0.516314653	-1.85904653	-0.32672919	0.62280661	0.335841167	0.48844049
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## 104	-1.044755388	-0.29136806	1.53945278	0.73513730	-1.072755851	-0.15465161
## 105	0.039456856	0.08513385	0.55000974	-0.22816283	-0.306935666	1.83522280
## 106	0.125440922	0.25489424	0.06852519	0.14940855	3.129725485	1.15203818
## 107	-0.101551048	-0.36138230	-0.24986556	0.97169654	-0.918803111	1.84771137
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## 113	1.084461989	0.19661861	0.78904711	-0.44200184	0.193633368	1.09192498
## 114	1.154736325	-0.33294191	1.59352061	0.67274531	-0.011002623	-0.54527389
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## 116	-0.885918355	0.08395690	-0.21193775	1.21533396	-0.680335384	-2.65611264
## 117	-0.068514564	-1.90908457	1.28500932	-0.41656903	0.333292721	0.68436315
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## 121	0.749785260	0.63565767	-0.07932352	0.16397803	-0.448794976	0.09707299
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## 123	-0.219070863	-1.13762987	-0.79717904	-1.25679119	0.081041438	-0.86722654
## 124	0.862130434	1.44276260	1.10805847	0.57814057	1.221625260	0.84987124
## 125	0.753904500	1.32041550	0.48946650	-0.72039444	-0.467757722	0.19197119
## 126	-2.151318210	-1.55787251	0.16759117	0.17125377	0.664046641	0.77306316
## 127	-1.982448871	-2.21337481	-2.12793063	-0.09510408	-0.513663264	-0.47121701
## 128	-0.972493520	1.48753616	-1.90985652	0.41812775	-0.894781976	1.34558103
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## 132 -0.315107443 -1.89761479 0.25128534 -0.78406937 -0.943537339 -0.67256470
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## 134 -0.532250180 -0.90241258 -0.06419005 -0.60122216 2.169465031 -1.17800154
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## 137 1.361171756 -1.64108046 0.03561773 0.39368086 -0.418322742 -0.27985500
## 138 2.354597560 -1.31713943 0.73614296 -1.11898334 -0.610170777 0.99821995
## 139 -0.677236689 0.07312371 -0.11216787 0.86690175 -0.550316884 0.95213732
## 140 0.104570805 1.17888565 0.87611170 0.32265396 0.060389795 -0.21599071
## 141 0.885707993 0.63095719 0.29495594 -0.43407747 -0.082418516 0.35126578
## 142 -0.098448016 -1.36099911 0.25396212 -1.19461193 0.749747260 1.27595514
## 143 0.155055223 -0.48027757 0.29576745 0.25246214 0.605232978 0.18826826
## 144 0.608361642 0.85682233 -0.14724730 0.60934870 0.337254546 1.05451976
## 145 -1.060644886 -0.07200498 -1.11131624 1.69726780 0.262585955 1.00495004
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## 185 -0.407952164 -0.26077863 -1.68840259 0.90506452 0.124613908 1.47939303

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## 186	0.743751268	0.97106433	2.04850179	0.52904888	-0.273770298	0.50930871
## 187	0.563219930	0.75288013	0.17195383	1.98925968	0.520064520	-0.09020935
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## 194	0.594532770	1.03946606	1.60824037	-0.37684447	-0.041268604	0.94012700
## 195	0.974095503	-0.48536484	1.13970676	0.62061236	0.972571199	0.43692599
## 196	-0.767630677	-0.51286846	1.18892609	0.56966107	-0.615362556	-0.03469107
## 197	-1.284577477	0.32084810	0.68253299	0.89311824	-0.770186204	-0.17993610
## 198	-2.121842702	0.46820357	0.22117498	-1.25631147	-0.803488859	-1.45626343
## 199	-0.292150644	1.63823731	0.17009410	-0.39328711	-0.581320478	-0.74490607
##	V94	V95	V96	V97	V98	
## 1	-0.295477233	0.1900525045	0.313154551	-0.352252734	-0.331336859	
## 2	1.854038003	-0.4412873940	0.010191087	-0.111105808	-0.643072690	
## 3	0.950014954	-1.3484098363	-0.737379386	0.392948523	-1.161026493	
## 4	-0.558765881	1.3293868345	1.050966810	-1.124793122	0.057366219	
## 5	1.105985141	0.8484961267	0.120387638	1.026664502	0.600647055	
## 6	-0.195455619	-0.2680510669	-0.207267149	0.932022719	-0.726510294	
## 7	-0.064932460	0.5673604785	-0.308805420	0.421032538	-2.067157668	
## 8	0.127178260	1.3422552572	-0.511537661	-0.980413118	-0.567214984	
## 9	-0.578855527	3.2351436377	0.079596939	0.134687451	0.021749324	
## 10	1.284513188	-1.2562720558	0.134228974	-0.114202540	-0.430582814	
## 11	0.869051305	-0.0749660997	-0.687270271	-2.078746073	-0.826884394	
## 12	0.613126814	-1.5729951113	1.062647835	-0.506055484	-1.631914699	
## 13	1.682721855	-0.3411533036	1.932868580	0.080446608	0.423564512	
## 14	-0.376932116	1.1104131985	-1.134255918	-2.017056149	-0.199042131	
## 15	0.122907265	0.4389988873	-1.093077090	-1.779729332	-1.116744172	
## 16	0.469621471	0.0351022998	-2.062263089	0.587147084	-0.568846292	
## 17	0.440264853	-0.7373299537	0.814895034	-1.229527727	-0.530825000	
## 18	0.057814505	-0.0841321249	1.414005980	1.594900152	0.042533636	
## 19	-0.969628389	-0.7494568470	-0.370976544	0.140175037	-0.003080706	
## 20	-0.504350247	-0.7957888612	0.769850153	-0.846150514	1.641951593	
## 21	0.818080978	0.9467123269	-0.254617781	0.981260740	-0.946219221	
## 22	0.682019518	-0.1758961314	-0.394298216	3.636580143	0.585237847	
## 23	0.655972135	-0.5216116118	0.694854512	0.498304736	1.387057053	
## 24	1.516430850	0.1328317048	0.181838710	-0.068079553	0.117441248	
## 25	-0.275574361	-0.1916249380	0.779391562	1.633495613	-1.478089392	
## 26	-0.677034143	1.4414284975	-0.397186004	-0.584056587	0.401400102	
## 27	-0.479239521	-1.5173613982	-1.384299698	1.181557763	-1.505334579	
## 28	-2.322176663	-1.3743556934	0.705713066	1.209956984	-0.816314748	
## 29	-0.552786681	-1.2895665099	0.720298382	-0.533239752	-1.446578443	
## 30	-1.004757497	1.3673913902	0.409062036	0.025394168	-0.994964354	
## 31	0.117647208	0.8958831071	-0.801145564	0.867509174	1.400356416	
## 32	1.158736303	-0.3785875425	0.222321727	0.322002783	0.506039978	
## 33	0.095681545	-1.3441281931	-0.801155990	1.924448728	-0.164519470	
## 34	-1.343120783	2.2984091299	-0.836738565	-0.002820831	0.894497947	
## 35	0.587890915	0.4339208491	-1.015364522	-0.349834674	-0.176205598	
## 36	1.294376782	0.5029910431	-0.783165499	-1.037254401	1.077877927	
## 37	0.413063481	-1.1253056837	-0.539514466	-1.401807350	0.799012498	
## 38	-0.212168130	0.8140896156	-1.951273408	-0.510763142	-1.289705851	
## 39	-1.599213320	0.2201479513	0.617904676	1.859946158	-1.827243877	

## 40	2.011613499	0.1954771843	-0.325762975	-0.223086079	-0.828636747
## 41	1.591503511	1.1068353681	-1.264189213	-1.290614742	-0.369602579
## 42	-0.211333064	-1.1116772197	-1.881500890	-0.312608150	-0.956341800
## 43	-0.177784763	-0.2436712057	-0.983470682	1.638432800	-0.313664453
## 44	1.217485572	0.5455232181	0.146021275	1.013811026	0.843125490
## 45	-0.585108104	0.9963378940	0.693000203	-1.487369925	1.124936955
## 46	-0.039924769	0.1380954327	1.006893735	0.982548190	-0.115116414
## 47	0.025873142	-0.9121530071	-1.071751804	0.747526740	0.466330980
## 48	-0.723142900	-0.1110987510	0.545329440	-0.388109877	1.430856638
## 49	0.979695884	-0.3384472481	1.486686460	0.620831101	-1.699731159
## 50	-0.529166992	-0.0965608727	0.416155115	0.109295674	0.559837499
## 51	0.523224748	0.6649702722	1.294169959	-0.042382560	0.825092152
## 52	-0.882516688	1.3935629361	0.776296268	-0.396880170	-0.373348716
## 53	0.419487904	-0.1725169723	0.749423237	-0.026234056	-1.132758735
## 54	-0.431160585	-1.2792104560	-1.741401406	0.824755652	-1.077980066
## 55	-1.912327177	1.3393123489	-0.038474268	1.597011760	0.782886213
## 56	-0.408900902	-1.7629143805	-1.038511116	-0.846839178	0.334561242
## 57	0.465503082	0.4860360039	-1.216496466	1.717780650	0.285007718
## 58	-0.495079648	-0.6434816590	-0.851734235	-1.043154135	0.099365397
## 59	0.479084118	1.0858029673	1.218603119	0.536121718	-2.828898063
## 60	-0.216143744	0.8493607237	-1.430562145	-0.017045553	1.075988764
## 61	1.589239827	1.1675287778	0.174683153	1.134175345	-0.624429219
## 62	-0.416417149	-1.3150705607	-0.007331751	0.815708866	-0.804004473
## 63	-1.163463129	0.6713974035	-0.153354753	0.160625208	-0.636799589
## 64	1.085084610	-0.1221787091	-0.056486002	-0.265038097	-0.832907003
## 65	-0.135357141	0.6428169460	-1.745551609	1.183460262	0.234067997
## 66	-0.876152451	0.8547078208	-0.554734147	2.034077791	-0.216319362
## 67	0.261309854	-0.7774353935	0.288755200	1.232506950	0.178219747
## 68	-0.107296005	1.1956657626	-0.022969505	-0.113086478	-1.687217987
## 69	-0.749509832	-2.1154666198	-0.816292938	0.345615879	-0.608547694
## 70	-0.277451702	0.1278859451	-0.112710227	0.951386528	0.816933927
## 71	0.351792505	-0.6197667963	0.088530354	0.349895146	-0.243617674
## 72	0.120648185	0.0001930942	-0.271279030	1.090024336	0.959772828
## 73	-0.190563785	0.5236968538	2.907268114	2.226747683	1.461233680
## 74	-0.310618852	1.3313954301	-0.185777850	-0.167824971	0.663903393
## 75	1.077222289	0.3085117116	0.884387865	-1.114038114	-0.510758436
## 76	-0.151352682	1.7694559085	-1.973992501	-0.273439836	0.431163125
## 77	-0.800601529	-0.1947435306	-0.693569403	-1.637746217	0.901957869
## 78	-1.296365004	-1.6624576253	-1.280617827	-0.421660513	-1.917065645
## 79	0.133136891	-1.7351992499	0.556492004	0.289189017	0.153255797
## 80	1.010243284	2.5054730677	0.224466969	-1.466074979	-1.908454273
## 81	-1.423488947	0.0745794895	0.838315110	-0.053257054	-0.088119441
## 82	0.002014132	-0.9602013697	-0.711936866	-0.047278088	0.615145106
## 83	-1.812372591	-0.5458634382	1.780762605	-1.286535684	-0.232762677
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## 85	0.431405475	0.1990543345	-0.122827355	-0.710534560	-1.769095552
## 86	0.093213268	-1.0162978245	0.777549082	0.639420957	-0.190812265
## 87	-1.158643627	1.6717084437	-1.087059285	-0.076422619	0.364992437
## 88	-1.469292583	0.4520303303	-1.000282639	-0.515241024	-1.981854614
## 89	-0.287036069	2.2935085731	0.544128634	0.864319211	-0.307576056
## 90	1.046157172	-2.5499233568	-1.783570315	0.372328559	0.580540436
## 91	1.182773541	0.0330007179	-0.516987008	0.754329540	-1.797660904
## 92	0.028092949	1.8327654493	-0.035587631	0.015443640	-1.950799002
## 93	0.182484480	-0.6896962746	0.694729686	0.317802731	-0.660567284

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## 94 0.434045479 1.7676132203 -0.286903320 -1.179724138 0.105286729
## 95 1.757424667 -1.2840546803 0.887079733 0.857123760 1.314121249
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## 99 -1.364126288 0.5375801781 -0.211208830 0.874873615 0.252239301
## 100 -0.516101162 0.6988959767 0.895803527 0.720304609 -0.976966192
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## 136 -1.717693818 2.5574320423 1.152123864 0.657220508 0.165910620
## 137 -0.543712404 -0.6721302106 0.386355810 -1.259298068 1.302312348
## 138 -0.602649640 1.9239800234 -0.112329678 0.127176926 0.170616280
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## 140 -0.566719765 0.1970005611 0.085355225 0.032727472 1.141400611
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## 142 -1.394944635 -1.6799259344 2.203515376 0.148036515 1.108420045
## 143 0.114570816 0.6335093089 1.640879069 0.464625016 -0.429786518
## 144 -0.139534282 0.3343122812 -0.094571810 -0.908143700 -0.603690380
## 145 0.394325338 0.8116554984 0.013459497 -0.657874224 -2.701510227
## 146 -1.078800842 -0.5578816154 -1.379037807 -2.064048605 -1.039472603
## 147 -0.165152697 -1.2604843214 -1.489482314 1.207205214 -0.391997812

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## 148	0.315724912	-0.6541387384	-1.031675068	-0.654444011	1.918694703
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## 161	0.277762538	-1.5048755932	-0.636795917	-0.470263541	0.331275936
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## 163	-0.806464656	-0.4482345697	-1.332116987	-0.994982559	-0.002117687
## 164	-0.030340736	-1.9903608290	-0.825197515	0.966985813	-0.075751207
## 165	0.099349774	-1.9615784804	0.283618650	1.792933949	2.448142777
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## 172	-0.387628557	0.4658156549	-1.583755316	-1.900025860	-0.001168238
## 173	0.075521218	1.3315102531	-0.844289906	-0.127759380	-1.551751926
## 174	-0.385610512	0.4315835417	-1.193143249	1.243966792	1.129867945
## 175	1.024151174	0.1823439784	-1.013414386	-0.037312283	0.734797516
## 176	0.608344200	-0.5439841592	0.316642753	0.171077743	-2.182697113
## 177	1.334345424	-1.0292247628	0.453781171	1.807027083	1.374756762
## 178	0.560943936	-2.4719430260	0.695617263	-1.030565095	-0.702579843
## 179	-1.134180153	0.5750455872	-0.582473572	-1.155479355	0.795795878
## 180	0.095390692	0.5140383991	0.424743743	-0.245842259	0.715059208
## 181	0.580761894	-0.7953077551	2.171369709	0.224714930	1.142301936
## 182	0.414169817	2.8317425883	1.347400981	0.077885100	1.757537997
## 183	-0.880021583	0.4778141573	1.232384523	-1.063076656	-0.653242921
## 184	-0.490897277	-0.2434173317	-0.519391619	-0.375173679	0.527315745
## 185	1.734286996	-1.0342130382	2.708802931	0.371183073	-0.333356519
## 186	-0.842201588	-0.0574136583	1.317962432	-1.816243426	-0.822201366
## 187	1.194977902	-0.6181810807	0.211494658	-0.125302114	-1.085113497
## 188	-0.989099152	0.1466847438	0.467641280	0.034449696	-0.007783628
## 189	0.612100168	0.2528080148	-0.222768931	-0.046389626	-0.660920787
## 190	-0.540217463	1.4988300013	0.199116917	-0.323184680	-0.064694564
## 191	-0.182958991	1.3618614789	-1.463785491	-1.403121277	0.578034684
## 192	-0.651219750	-0.9017383782	0.935604343	0.900201640	-1.687338165
## 193	0.009516649	0.2527509705	-1.335622284	0.834621423	0.511654008
## 194	-0.003413078	-0.4658834702	1.345989972	-1.173688770	0.190853963
## 195	-0.404725234	-1.0841033625	-0.139028871	-1.324121751	-0.222577415
## 196	0.079805651	-0.3018268995	0.388715921	0.064228734	-0.583604730
## 197	-1.231441576	-1.4770397287	-1.401747039	1.494176799	-0.423134283
## 198	1.447530494	-1.9740108780	-0.720215654	-1.327467876	-0.653006935
## 199	-1.976873170	-0.1992102737	0.941763109	-0.171470746	0.056364076
##	V99	V100	V101	V102	V103
## 1	-0.9906808419	-0.848548849	0.136675645	0.887674372	1.298563653

## 2	-1.6348137291	-0.835241557	0.312154574	2.479510944	0.161134596
## 3	-1.3373322233	0.936585328	0.841810104	0.251207810	0.963246614
## 4	-0.7249496605	-0.735545805	-0.937781427	-0.370763004	1.594585768
## 5	1.2917551994	0.174426190	0.201212717	1.326653496	0.956942986
## 6	-1.1398454107	-0.361321400	0.257608671	-0.124939996	-0.059420041
## 7	0.0123597159	-0.522239059	-0.865343705	-0.691800499	0.252498035
## 8	-0.1358772243	-1.063874641	1.168043038	1.732102338	-0.545540249
## 9	0.8808112905	-1.914067885	-0.776830420	-2.813087244	-0.190639131
## 10	0.2531827569	0.567285262	0.797177575	-1.202798238	0.477588596
## 11	1.0882231436	-1.074908002	-0.231456138	-0.577579905	-0.883480392
## 12	-0.1815625559	0.938940199	0.403124357	1.270273785	0.045575084
## 13	-1.5005315115	0.430359659	-0.508739341	1.740048852	-0.648297537
## 14	0.6183312856	-0.107942144	0.554013910	0.725115668	1.736973209
## 15	0.2935410832	0.827324220	-0.532361854	0.418506828	0.405067928
## 16	-1.6651781406	0.682910920	1.444337678	-0.272973024	-0.243671670
## 17	0.4075328278	0.528449219	-3.386272164	0.017721199	0.666341791
## 18	0.7326940279	0.093080010	-0.059474280	-0.197494793	-0.868978397
## 19	-1.1607719095	1.565497342	0.087087821	0.160453002	0.045373834
## 20	-0.2724095331	-0.361007423	-1.106739830	0.386802098	0.610871966
## 21	0.2084606417	-0.268005747	-1.130259724	3.136313777	1.233371624
## 22	-0.0989567467	0.731304747	-1.619974410	1.001442813	0.972772891
## 23	-0.7242658912	-1.532529880	-0.672138133	0.173767309	-0.652270588
## 24	1.4500326294	0.789753681	-0.826918460	-0.999378008	-0.027676119
## 25	-1.0910904296	-0.015911753	0.385348244	1.926411884	0.093764234
## 26	0.6631880757	-0.079717910	1.054009739	0.937830197	0.750151181
## 27	2.8075854803	-0.684223127	0.499128720	1.154613159	-0.347729216
## 28	0.1986248084	0.496123582	-0.634787479	-1.704501987	0.347829831
## 29	0.3916233029	-2.078774335	0.956979879	-0.510084568	1.726704950
## 30	1.8514430378	-1.041664042	-1.111531402	0.142142176	-0.224681512
## 31	-1.0180443693	-1.506141408	-0.207156138	0.297910892	0.039281904
## 32	-1.6712427330	0.344469736	-0.672278701	1.971893193	-0.647715435
## 33	0.4671486825	0.305821999	0.314215835	0.595728459	-0.249848981
## 34	1.1608920188	-0.729975245	-0.679130854	0.443288473	0.201158568
## 35	1.3481744231	-1.729875913	1.705553941	-1.521242823	-2.773380742
## 36	0.6653964005	1.747468285	-0.698210839	-0.179781729	0.110434264
## 37	0.2137415001	-1.392816534	2.474622412	-0.362889456	1.151955471
## 38	0.6876902091	1.354326983	-0.796786579	-0.081878170	0.075851990
## 39	-1.0945870868	-0.222160554	-1.386412535	0.029807213	2.161959986
## 40	-0.5502532832	-0.019137944	1.555037217	0.190227625	-0.714233305
## 41	0.7543679023	1.219503664	-0.845208164	0.188132370	-0.252165771
## 42	-0.4315659038	-0.173201863	-0.262055079	-0.411599775	-0.855986509
## 43	-1.0887433103	-1.121272090	0.628249086	-0.711944896	0.080701339
## 44	-1.0737742235	-1.044554054	0.236485691	-1.433927402	0.317217791
## 45	-1.2407817278	0.899371533	-0.696082237	-0.294266854	-0.078325523
## 46	1.2098056165	-0.846404272	-1.255114830	-0.316095846	-0.456482969
## 47	-1.3715912718	0.960519468	-0.246891845	2.120151707	-0.186196186
## 48	-1.8707635116	0.461616489	1.375326896	-1.857422602	1.320845397
## 49	-0.6561380867	-0.479102547	1.430284237	-0.228095285	0.165667528
## 50	-0.4727181318	-0.447445679	1.277489405	-0.071725253	0.306482734
## 51	0.8171144210	1.238442806	-0.031277206	-0.530545286	0.414107217
## 52	1.3293382770	0.116288181	1.002334518	0.672958599	-0.515690747
## 53	1.2379631584	0.388645780	0.747758864	0.315816058	-0.076807075
## 54	0.3322229991	-0.177574770	-1.044364140	0.929838165	1.259321349
## 55	-0.4649473269	0.534143389	0.377610066	0.248170103	0.648933940

## 56	-0.6408844538	0.262816350	0.596769857	-1.085605981	-0.924806524
## 57	1.0902484966	1.302692339	0.339935039	1.297278773	0.214044074
## 58	-0.9949258893	0.014767027	0.632150803	1.777935325	0.313319382
## 59	0.7769872874	-0.999022602	2.097953184	-0.381433668	-0.805065850
## 60	3.6647557690	-0.871630036	0.864933752	1.848569069	0.228102001
## 61	0.4982970286	0.328667369	-0.755812547	-0.659969694	1.160412295
## 62	0.0708748889	0.691239142	-2.373054757	0.111951060	1.099139739
## 63	0.4696962213	0.199238499	1.899469869	0.980871688	1.063081748
## 64	-0.1706899920	-1.305506201	1.762510482	0.053102113	0.598110866
## 65	1.8416825381	1.765559428	-0.525077611	0.313861056	-1.316557868
## 66	-0.5300532504	-0.920684567	-0.303051238	0.181599633	-0.015023315
## 67	-0.3049465173	1.218322853	-1.039448842	-0.960175936	0.034612361
## 68	-0.4731905007	-0.981800832	0.162110047	1.138772025	-0.435613588
## 69	-0.3624886626	-0.462616112	0.784006520	0.468380575	1.451129451
## 70	1.2489927115	-1.954330917	1.648477686	0.763779759	0.924570049
## 71	-0.2449894127	1.363569929	-0.740701594	1.637584385	-0.329249747
## 72	1.2336003107	0.802538211	2.996963135	-0.175035053	1.585552894
## 73	0.2868188831	-0.519996394	0.172817644	0.390977491	0.831371161
## 74	-1.0637254883	-0.740174899	-0.406624596	1.301562103	-1.033322635
## 75	3.4049178341	1.001590572	-0.488942998	0.730859275	-0.774398428
## 76	-1.2859725049	1.152876270	-0.861172572	0.026291254	0.797981212
## 77	0.0806328237	0.412006022	-0.529695098	-0.791502125	0.345442195
## 78	1.4550700771	2.607881261	-1.435828720	-0.959120751	0.119484946
## 79	-0.2402208646	1.151645057	0.553770219	0.111723466	0.071086420
## 80	0.8603793799	0.371228242	-0.982562542	1.040669684	-1.453299487
## 81	0.4753114338	-0.708655151	-0.504689298	1.237682042	0.996892900
## 82	0.7934615429	0.357706344	-0.466669033	1.528397480	0.882753891
## 83	-1.6527367194	0.307165282	-1.050559243	-0.776779184	-0.299931775
## 84	0.1270834630	2.012241821	1.107845216	0.925753712	-0.674812678
## 85	-0.4074707911	-1.201567641	0.297293978	0.777361542	-1.039888542
## 86	0.6485254774	0.293061658	-0.468977496	0.047053215	-1.612189078
## 87	-0.1103382903	0.332661182	1.410287817	0.733814486	-1.396410442
## 88	-1.6890607015	0.891757586	-0.818750029	-2.058499908	0.567567972
## 89	0.7152380444	-1.104417295	0.014995730	1.400157846	-0.123092647
## 90	0.2990379210	-0.990772646	1.485239974	1.028764759	-0.485008304
## 91	0.9722125985	-0.958576107	-1.107879580	1.548840011	0.567963196
## 92	1.3750406977	0.287751088	-1.478662847	0.743140068	-1.987324510
## 93	-0.7765347689	0.567663734	-0.476335128	1.450230021	-0.475516031
## 94	0.6880436831	-0.196733485	-0.580361088	0.303728908	-0.751495567
## 95	0.4760080308	0.847078632	0.764797381	0.880378452	-0.617933253
## 96	-0.0238406562	1.127855073	-0.477646632	-2.436278523	0.827148303
## 97	-0.2360361673	-0.999762658	-0.703513604	0.280012092	0.076450616
## 98	-0.1242517483	0.607176778	0.054168025	-1.687654806	-0.351133940
## 99	-0.3982678859	-0.587012054	0.752980655	0.015159375	0.190695163
## 100	-1.3302933717	-1.039881767	1.207722205	1.414848279	-0.556384262
## 101	0.5727402405	-0.003942528	-1.472981725	0.623779740	-1.730681057
## 102	1.6795113214	0.861763213	-1.240513437	0.007362816	0.536773023
## 103	0.0167522785	0.074698084	-0.077336890	0.094234825	-1.128575713
## 104	-0.4993015689	-0.292095442	1.236079657	1.551069859	-2.502710200
## 105	-0.1703074663	-1.728799748	-1.904502319	1.186390862	-0.278357915
## 106	0.1000233529	1.747157982	0.659525261	0.180788564	0.944286874
## 107	0.4083698365	1.216526280	0.755215028	-0.578620954	1.085361204
## 108	-0.8915722773	1.202695234	-0.945074940	-0.156354471	1.263000433
## 109	-0.7319172617	0.078657885	-0.714638868	2.260854867	-1.037198267

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## 110 -1.3064816026 -1.300490966 -1.203446037 0.142779461 0.631264980
## 111 -0.6039115245 0.921921448 1.174086950 -0.423408971 0.451424855
## 112 -0.7842883635 2.355132943 -0.838050628 -0.764900634 2.184637965
## 113 0.0619823015 -0.311707766 0.014450277 -0.484928038 -0.865838172
## 114 0.0490655937 -0.738283444 1.957310338 0.903727063 0.202129343
## 115 -1.4581062656 -0.585005332 -0.940030110 -0.271401767 -0.790688975
## 116 -0.8886336701 1.002179493 -0.488304706 -1.189249104 -0.340718075
## 117 -0.7360112952 -0.741597121 1.359909392 -1.952023433 -0.639941108
## 118 -0.3788566303 -0.306272983 -0.565180111 -2.210408359 -1.271657949
## 119 -0.8579736175 1.775228256 0.175017859 0.395517647 0.594829344
## 120 -0.6858982399 -0.076162783 -0.711734408 -0.429813790 0.587225209
## 121 0.9517232662 -3.179307328 -0.198236939 -1.060543970 2.260518965
## 122 -1.5240085655 0.619351201 0.036943011 -0.369006768 -1.385240338
## 123 1.9218597197 -0.179505040 -2.190984895 0.556107037 -0.147289849
## 124 0.9982904844 -1.153323406 -0.011738747 -1.960918240 -0.222247528
## 125 -1.1283109816 -0.554301369 0.543819338 -0.139405612 -0.403265468
## 126 -0.5390019545 0.019441206 1.726413895 -0.107521244 -0.410624810
## 127 0.8041539577 0.503594721 1.206636815 0.067789292 -0.221173122
## 128 0.0890591136 0.609879491 -1.264116309 -0.277260653 -1.209193625
## 129 -1.4153246482 1.340646973 0.002570072 0.864765519 0.066643960
## 130 -0.7455117627 -0.766521242 -1.671017915 -1.418463022 1.626172210
## 131 0.6986501210 -0.532645991 0.425590038 -1.597706071 0.640198751
## 132 -1.2183010915 0.196246667 0.009206948 -0.413271856 -1.025908403
## 133 0.1479725173 -0.957016719 -0.049312254 -0.128647124 1.429973947
## 134 0.6442642239 -1.104556968 0.872733355 2.577678583 -0.562996138
## 135 1.0177633016 -0.046444971 -0.183974729 -0.904707683 -1.706569677
## 136 0.0569779240 1.534121154 -0.606976720 -0.370108365 0.169762929
## 137 0.1012867386 0.313374938 0.586430204 0.779603455 0.813078498
## 138 -0.6414272178 -0.071630672 -1.771666337 1.185590679 1.851831942
## 139 -0.4578301446 -0.258494966 -0.443397373 -1.391428016 0.480907820
## 140 -1.1932263884 -0.860443649 0.261818952 -0.528098238 -0.258457117
## 141 0.0328681681 0.673748941 -0.211171819 0.285020962 -2.939529716
## 142 -0.9264939495 -0.566324975 0.485125706 -0.142434798 1.311572052
## 143 -1.3878776886 0.535230472 -1.300717077 -0.680029221 0.508254608
## 144 -0.1465086430 1.092588943 0.051815083 -0.921225358 -0.154619442
## 145 0.3222698831 -0.134677464 1.105409695 0.903622113 -0.963129059
## 146 0.9963876840 -1.223846455 -1.276066930 -0.833665003 0.848039856
## 147 -0.0043825257 1.451358046 2.124513602 -0.267795292 -0.105976984
## 148 0.7536183539 -0.518759918 -1.464641220 0.006247895 -1.174957892
## 149 -1.0068742114 1.786284295 0.573728470 -0.044557694 0.264496939
## 150 -0.0903610669 0.463488151 -0.918936366 0.730100234 -0.164489805
## 151 -0.9039523681 -0.910820037 -0.622673051 1.672126407 0.806377771
## 152 -0.3928692916 -0.609397243 1.715668762 0.049914172 1.017436370
## 153 -1.2770831550 0.436903650 -0.130808107 -1.518263094 -0.246900455
## 154 1.4762710754 0.250683750 -2.479688012 -0.316347131 1.788774665
## 155 -0.7212186941 0.253507919 0.771315189 0.147375193 -1.141041397
## 156 -0.3672206053 0.348787002 0.149690130 0.220998172 -0.614485691
## 157 -0.2647754055 1.306265963 0.470381340 -1.128156064 -0.875157513
## 158 0.0007507945 -1.706714119 0.151452125 0.261645926 -0.143805221
## 159 -0.3037459501 0.297519134 -1.102809404 -0.547455582 0.005194445
## 160 -1.0370586177 -0.836903504 -0.669938965 -1.143082801 -0.377826008
## 161 1.2152180079 -0.245065708 -0.583395925 0.778176375 -0.094524292
## 162 1.5836073811 -1.577858648 -0.789143659 -0.503749427 -0.304300034
## 163 0.9213026638 0.710853671 -0.365711276 -1.409379064 -0.282168558

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## 164	1.2176283222	0.975025473	0.960001577	-1.970418094	-0.890049727
## 165	-1.5694555708	-1.519414956	0.508290845	-1.321245019	1.112386241
## 166	-1.7482717570	-0.118187504	0.369917169	0.785677396	1.154225327
## 167	1.3187784325	-0.224038861	-1.196840793	0.059846020	-1.190769237
## 168	-0.7877083218	0.765570776	-0.462013951	0.080757861	-0.313298265
## 169	0.6763150046	-0.575076815	0.961368003	-0.908367702	-0.559749697
## 170	-0.8524431385	-0.567597660	0.372251385	-0.993066077	-2.177212923
## 171	1.4511818453	2.029562688	0.978871875	-1.096475412	-0.492791917
## 172	-0.0131470859	-1.386134638	-0.388107814	1.226823087	-0.102751660
## 173	0.1525550073	-1.677825757	0.892648986	-0.878788459	0.862867690
## 174	0.6395003111	-1.916390616	-0.119468052	0.038035655	0.059402828
## 175	-0.7344066568	0.821741975	1.032497695	0.376973927	-1.011809377
## 176	0.2889175194	0.761091485	-0.188517760	0.276164181	0.049991668
## 177	-0.1760134947	-1.776411698	0.984306125	-1.143967825	0.159005735
## 178	-0.5367209836	1.391307993	-0.763467749	1.087369505	0.547923723
## 179	-0.2078339307	1.160392514	0.840137388	-1.640155934	-0.547117730
## 180	-0.1780810263	0.938532339	0.601492300	-0.195375539	0.145487200
## 181	3.1584934529	0.632662593	-0.507878725	-0.101287316	-1.138359595
## 182	-0.2399128326	-0.391462560	1.241319744	0.522492014	-0.551510424
## 183	-0.3894343510	0.275984092	0.396120530	0.562644480	-0.876080156
## 184	0.7288688199	-0.313345176	-1.024293348	-0.080807732	-1.371308823
## 185	-1.2734233597	-1.488696815	1.518093959	-0.201366387	-0.498568028
## 186	0.3717772171	0.619901380	0.780761368	1.855897028	-0.544358393
## 187	0.1739246206	-0.064009788	-0.052988295	0.302425256	-1.834750363
## 188	2.1432896007	-1.786007521	0.103237527	0.192288979	0.448151471
## 189	0.8747903305	2.076625026	1.558374594	-0.794370194	-0.028270934
## 190	1.1620406626	-0.005595704	-0.698638470	-0.808757143	-1.028606676
## 191	-1.4230581466	0.722521281	1.902802239	0.067578043	0.203205076
## 192	0.7829952603	0.138705977	0.811185242	-0.455090988	1.597482016
## 193	-0.6957738802	-1.999933658	-0.036571116	1.387841634	-1.948059653
## 194	-0.4693218114	-0.629260529	-0.687660178	-0.305077742	-0.090874939
## 195	0.1997177199	0.179814208	-0.388618414	-1.113975662	0.288738309
## 196	0.0037661767	-0.216621184	-0.271695363	-0.487757842	-0.247544742
## 197	-0.3045706509	-0.857459155	1.513612239	-0.088332862	-0.170501266
## 198	1.1268855020	-0.497973596	0.748680380	-0.006025980	-0.112540359
## 199	0.1175295290	0.395459099	0.997227517	-1.287838105	0.140672712
##	V104	V105	V106	V107	V108
## 1	-0.232151381	0.341423590	1.470433665	2.316981322	-1.3264064623
## 2	-0.145953699	1.466455925	-0.973299674	0.159384036	-0.6307847889
## 3	-0.060261076	-1.233078745	1.111775110	-0.076303751	-0.5326284374
## 4	0.227342394	0.168748397	-0.192473080	0.736994392	-0.0923489765
## 5	-0.373288948	1.575308010	0.055132054	-0.366345027	1.2750479061
## 6	0.777394589	-0.755940157	1.555207666	0.771511350	-1.1037067730
## 7	-0.271917378	1.335607372	-0.576267828	0.910227127	0.5441479239
## 8	0.596501372	-1.988848185	-1.621138906	1.388313047	1.1126787173
## 9	1.060002583	1.608654237	0.263865410	0.003631107	-0.5766361331
## 10	-1.303277820	0.382636632	-1.565290223	-0.612244854	-1.6481775129
## 11	0.443400883	-1.129352852	0.095956466	-0.888307437	0.0405570656
## 12	-0.306412755	-0.893857379	0.009334008	1.032703162	-0.6022802927
## 13	-0.344161062	1.129958007	-0.538082196	2.636232880	-0.2010909287
## 14	-0.483456824	-1.222061476	-0.673641029	-0.127640613	0.8678146912
## 15	2.027847713	-0.599060904	-0.592816029	-0.151610289	-0.0777830278
## 16	-1.018935918	1.148282520	-0.546752165	0.237246386	0.9547023419
## 17	-1.533018039	0.331524085	-0.134673169	-1.345998462	2.0497602967

```

## 18  0.823171437 -1.005401737 -2.553284525 -0.663573322 -0.5114322859
## 19 -0.396575877  0.627360062  0.760718027  2.385795524  2.1551074236
## 20 -0.655605630 -1.116809575  1.255191155 -0.030737329  0.1130459017
## 21 -1.579045756  0.801915101 -0.699815635  1.584839514  0.3200805432
## 22 -1.675291897 -1.337682011 -0.510784827 -0.032233970  1.4794895185
## 23 -0.017361161 -1.418799725  1.004494594  2.175764044  0.8568422623
## 24  0.009171026 -0.188970718  0.156563115  2.345955034 -0.7671843529
## 25 -0.416213357 -1.080325093  0.558537734  0.351314892  1.2533910681
## 26  0.158242287  1.245072932 -0.365936300  1.170931759 -0.6399461962
## 27 -0.512671819 -0.368378999 -1.573331189 -0.102565746  1.0882687790
## 28 -0.348411146 -1.147919263  0.880180734  1.167813249  0.5930730128
## 29 -0.156521481 -0.317763246  1.154728789 -1.205979286  0.2680354985
## 30  1.098632835  0.843319744 -0.341162740  0.768379633  0.4850629943
## 31  0.879920544 -0.247610534  0.420146429  2.423283022  0.2062533429
## 32 -1.522658733  0.370827493  1.458743854 -0.745914938 -0.3185813520
## 33 -0.639980674  0.890394309 -1.095019834 -0.926116374  1.1424447808
## 34  0.609416586  0.594073480 -1.600509461  1.318265472  2.1042050312
## 35  1.220224260  0.913721323 -1.780228384 -0.975921875  0.5123675994
## 36 -1.238547271  0.152766579 -1.157048297  0.427312403 -0.4333044485
## 37  1.822587861  0.492596503 -0.168562608  0.429410906 -1.5692190753
## 38 -0.051128812 -1.299793475 -1.071698683  0.336191039 -0.6189170679
## 39  0.093449112 -0.104282033 -0.806876065  0.917215747 -0.0576122303
## 40  0.179916116 -1.563192542  1.821483455  1.198757017  0.1163355744
## 41  0.056303090  0.678790055 -1.355350193  0.097103698  0.8965033980
## 42  0.887224876  0.669907929  0.055253052  1.216946541 -0.9643195723
## 43  0.442732719 -0.055273736 -1.947490908 -0.375261966  1.2123400536
## 44  2.481928567  1.711070938  2.258635015 -0.828735066 -0.7531385372
## 45  0.328704043 -0.648571650 -0.934355406 -0.507724482 -0.3711811491
## 46 -0.014745700 -0.332421798 -0.131432842  1.160640187  0.1215743292
## 47 -1.877603384  0.682254347 -2.174210763  0.401443880 -0.3746558210
## 48 -0.571892462  1.554153976 -0.740131692  1.209656887  1.0378941125
## 49  0.131526587 -0.208020832 -1.238781178 -2.352991656  1.0910971057
## 50 -1.758872370 -0.891283373  0.233761025  1.572335428 -1.5801383182
## 51 -0.969529873  0.244100731  0.933749245 -0.148846079  0.7194638400
## 52  0.346953451 -0.434705017 -0.633202205 -0.521087161  1.4413210834
## 53 -0.259193787  1.647889238 -0.596042398 -1.744918485 -1.7817059035
## 54 -0.371974919  0.499476283 -0.066326921 -0.023252343 -0.4943827683
## 55 -0.064753221  0.299856997  0.302695064  1.425538536  0.2051737719
## 56 -0.705762289  0.604283263  1.432521471 -1.764374962 -0.1488749606
## 57  0.379866753  0.152733911  0.466252674  0.365589293 -1.2648535313
## 58 -0.501436158 -0.016242599 -0.852523752  0.992725877 -0.2483126224
## 59  1.075628075  0.601875928  0.516268597 -1.221978634 -1.4835950964
## 60 -0.180427204 -0.224278901 -0.674169997 -1.224114611 -0.0730841614
## 61 -0.426727252  1.927207485 -1.954388400 -0.098993631  0.4930386475
## 62  0.672539882  0.026759704 -0.027005195 -0.607345388  0.2578578025
## 63  0.428162371 -1.309139117 -0.670307573 -2.275789169 -2.5482970048
## 64  0.095436334 -0.754503296  0.211453067 -0.077158857  0.2035884067
## 65 -1.612791615  0.730190484 -1.786862850 -0.921986159  0.8970983704
## 66  1.975623370  0.750727202  0.157679678 -0.909768802 -1.7123206640
## 67  0.367943577  1.295877560 -0.042572445 -1.440839682 -1.5590149676
## 68 -1.008875235 -0.603758571 -0.757200597  0.873572958  0.8763290644
## 69 -1.007187409  0.653644203 -0.068683773 -0.922079924  1.1952937751
## 70 -1.446504999  0.970786651  1.246474887 -0.584018869  0.8446459704
## 71 -1.025240379  1.627271561 -0.923721219 -0.434675444 -0.1770239260

```


## 72	-1.176373092	2.054180848	0.798368304	0.143041585	-1.5036968842
## 73	1.627764655	-0.991825849	2.430304014	1.437642128	0.6977695225
## 74	-0.254465717	0.200876267	0.372605882	1.210223140	-0.5030889211
## 75	0.674551244	0.775902282	1.270049320	1.770876755	1.1108269592
## 76	-1.910111914	0.452376567	1.310360880	0.073202767	1.0005853255
## 77	-0.015384653	0.272761870	0.172137783	-0.961302389	0.1946327375
## 78	-0.125195298	0.842311899	-0.623866815	-1.393522846	0.0007362662
## 79	0.058424755	0.540111566	-1.262076158	0.846400980	-0.0335126212
## 80	1.159270157	0.266406315	-0.590058436	-0.083184601	0.1000750651
## 81	0.702300838	-0.384359723	-0.001554690	0.028183661	0.9858625085
## 82	-0.902840103	-0.090337836	0.439922575	0.811212601	-0.0982397022
## 83	-0.075031447	-0.409224753	0.982053021	-0.879950141	2.1830668712
## 84	-1.226900852	0.682847645	0.660879927	0.342894704	-2.1609921036
## 85	-0.307220766	-1.560181883	-2.595409107	1.104721799	0.7254879163
## 86	1.737246000	-0.892542909	1.910238932	-2.304418309	-0.6732827605
## 87	-1.177116049	0.609321283	1.524750338	0.535889009	2.1885133101
## 88	0.195201432	0.146868054	0.798500156	0.810015147	0.5445836189
## 89	-2.095653463	-1.730114810	1.252680171	-0.165537182	-0.4270265803
## 90	1.267594366	-0.031270373	0.057583224	-1.308079528	-0.6473522364
## 91	1.350347850	-1.979713488	0.157266540	1.245418409	0.0398650042
## 92	0.891393732	0.277172840	-0.212530641	2.073674697	-1.5929344295
## 93	-0.222519988	0.223846899	1.420368986	-0.429996645	-1.7746497599
## 94	-0.691223279	0.717751401	2.219283164	-0.649880379	0.3747038361
## 95	-0.385915240	0.135884005	0.484901848	-0.555645897	0.3210301527
## 96	-0.211791978	0.522089738	1.546391544	-0.377023673	0.5058627201
## 97	0.028851381	0.259925854	0.073929881	-0.503065268	0.8282560871
## 98	-1.365279536	-1.446797562	-0.057184730	-0.702475142	-0.6848172662
## 99	0.924496445	0.382802738	-0.878298521	0.520073057	0.2146607625
## 100	0.840351261	-0.386816954	2.192573820	0.762960521	-1.0026535331
## 101	0.139326733	-1.375286393	-0.216534948	-0.107547586	-0.8549164339
## 102	0.571337287	-0.274183575	0.133588703	-1.108844858	1.1845001424
## 103	-0.497239971	-0.430616112	-0.757231758	-1.264974073	0.4223172416
## 104	-1.239770464	-0.074715355	-2.204244868	0.527520479	-0.1860978645
## 105	-1.394417386	-1.563036989	-0.204826946	-0.635179325	0.1115111864
## 106	0.261487864	0.833946377	-0.192269431	-0.507307200	-1.5451409378
## 107	-2.634717441	-0.349858203	-0.848652022	-1.470912047	0.1443627614
## 108	-0.129334182	-1.531615236	0.024902939	1.511371599	0.5497889203
## 109	1.329405788	-0.224927409	0.333876169	0.742986128	0.0595611950
## 110	-1.061459464	0.363632239	-0.590026282	-2.160161622	0.0480190980
## 111	-1.546284761	-1.052023037	1.201157928	-0.808859030	1.3531328203
## 112	1.388999927	-0.124313031	-0.982338238	-1.202729578	0.1247582882
## 113	3.029139104	-0.038568683	0.395127602	-0.482228739	1.2600910741
## 114	0.279016587	0.976383668	-0.050793699	-0.956863344	0.1505093271
## 115	0.938836219	-0.348265684	1.339504865	0.566304038	3.1538809106
## 116	1.462273640	-0.196544590	2.939758631	-0.907385090	1.3954184758
## 117	-1.815592042	0.037080580	1.595193602	-1.322694220	-0.6501347661
## 118	-1.519180422	-1.223151211	-0.514758643	-0.956207204	0.2101418242
## 119	0.447252353	2.337803165	-0.048912444	-0.444373914	-0.4200163064
## 120	2.158183005	-0.312754175	-1.186228606	0.489231281	-0.1679246393
## 121	-0.643150912	-0.417907033	2.047056287	1.236304211	-0.6387361082
## 122	3.585274840	-0.536626858	0.528216381	0.208409391	-0.3877160263
## 123	-1.735204726	0.064659386	1.115949307	-0.681515920	0.5083353911
## 124	-1.856765327	0.119199584	-0.116554035	0.055882731	-0.6493402801
## 125	0.855467950	0.531913624	2.206235140	-0.178761147	-0.3886836143

```

## 126 0.419186972 0.465026540 -0.597523732 -0.990228784 0.7870882075
## 127 -1.468061971 0.385573348 -0.204289647 -0.046066801 0.4444795234
## 128 -0.663419301 0.764284775 0.436026248 0.719660637 -1.0995013481
## 129 -0.425112575 1.118301772 0.488952337 0.264498948 -1.0712019590
## 130 -0.938733153 0.917965199 -1.113415554 0.194450781 -1.6103621334
## 131 0.132235833 -1.013170206 -0.481558402 0.719320940 -1.3221368177
## 132 0.023464011 1.291850293 0.028137416 -0.999767968 -0.4907451844
## 133 0.200171251 -0.981103066 0.960370121 -1.441450463 1.0124622808
## 134 -0.483508952 0.042121012 -0.938662941 0.125703546 0.6153432259
## 135 -0.135746913 -0.235992786 -1.823982169 -0.280977998 -0.8853385712
## 136 1.253490223 0.070252669 2.229087669 -0.307211889 -0.0050024720
## 137 0.571875320 -1.125520780 0.099074838 0.860381052 1.3177966616
## 138 0.527969344 0.741296342 1.341384108 0.505080821 0.4722232682
## 139 -1.157870647 -1.634338275 1.611675306 -0.282703907 -0.8801597838
## 140 -0.485122702 -0.239651023 1.457806239 -0.489106894 1.1017245176
## 141 0.880826107 0.500523315 -1.284632674 -1.627375879 -0.9279327206
## 142 -1.504668161 0.680424574 -1.046161887 -1.253589171 0.5641123429
## 143 -0.733369476 0.274264086 -0.021885661 0.848215726 0.9828549961
## 144 -0.584120920 -0.652968756 0.080818103 -0.135082801 0.9815976475
## 145 -1.264305169 -0.974758959 -2.012153758 -0.467867151 0.2693862964
## 146 -0.872233457 -0.445402991 -0.924110573 -0.581058391 1.3012903008
## 147 0.102192478 0.677215780 1.009855356 0.184788394 0.8846372969
## 148 0.562029415 -0.938051281 0.662393121 -1.653664623 -0.3995147209
## 149 0.716953704 0.227565834 0.582556906 -2.395062847 1.2743929869
## 150 -0.019489428 -1.011618011 1.052052988 1.932704055 -0.3456931440
## 151 0.766413520 0.281030516 0.107802173 -1.373483165 -2.2848574201
## 152 0.334467298 0.472423658 1.104252751 -0.438314252 0.2912042447
## 153 -0.269597133 -0.639779756 -0.036014415 -1.431084550 -0.0017455194
## 154 -1.866327050 -0.179298011 -0.404961961 -2.059523125 -0.7441597417
## 155 -0.913218663 -1.098044380 -0.118329643 -0.453715567 1.2007336175
## 156 -0.265332557 1.152777745 2.376467392 1.037888519 -0.9697561185
## 157 -0.081317056 -0.568257814 -1.743940808 1.309405570 -0.8413128089
## 158 0.679796292 -0.352710842 1.635444420 -0.001004068 -0.4882247396
## 159 -0.724926587 -1.547114127 1.698946345 -0.245965555 -1.1082658150
## 160 1.175259492 0.146027589 0.409404037 1.053793218 -1.9942849434
## 161 0.336756170 0.028079233 -0.605475411 0.350870969 -1.6634879385
## 162 -0.889695825 0.258370786 -0.839556906 0.878340530 -0.5443009494
## 163 1.996419443 0.696939589 -0.131616284 -1.061385214 0.5749947465
## 164 -0.491864356 -0.850875336 -1.750317803 1.091869773 -2.2582944732
## 165 0.139306539 0.552955545 0.801404051 1.193908141 -0.5491145890
## 166 -0.490606311 1.266185867 1.586569492 0.028147296 -1.4252008622
## 167 0.384987310 1.059805875 -1.608884390 0.261179043 -0.1455153894
## 168 0.279161275 -0.723136535 1.652451398 1.819483397 -0.8806407709
## 169 -1.605377355 -0.023695165 -1.008326946 0.047450575 -1.0392493285
## 170 -0.560342031 0.339713023 -0.293426232 1.395895646 1.2948428562
## 171 0.823708317 -0.984374332 0.992529724 0.491579795 0.6988160270
## 172 -1.274001515 -0.485564109 0.388117787 0.141931481 -0.3662181799
## 173 -0.338949126 2.313608309 0.555838385 0.185509596 0.7760905670
## 174 -0.418125306 -0.322130142 0.260250379 -0.301346793 0.3082263916
## 175 -0.807966467 -0.745454994 2.855027534 -0.679226433 -0.2224278649
## 176 -1.438187984 1.048065748 0.896649924 -0.368018520 0.1815550561
## 177 -0.833850707 -1.316152514 -1.032428323 -0.624312182 -0.5925630456
## 178 -0.687518021 0.094145514 -1.088177759 0.122954982 -0.2585987830
## 179 1.135437601 0.626214258 -0.214433455 3.359423039 0.7471937816

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## 180	-0.675856119	0.931987488	0.257337151	-0.799620970	0.5856269364
## 181	-0.459429230	-0.691186483	1.077305061	-0.521244374	0.9986827485
## 182	-0.282098437	1.859937496	-1.025892478	-1.755003926	0.1016204576
## 183	0.205361182	0.127179680	0.079280922	0.687086350	0.2972458794
## 184	-0.052256161	2.144333719	0.045931593	1.940868453	-1.9815301121
## 185	-0.527820443	-0.844025243	-0.514785314	0.115000027	1.4303256476
## 186	0.728985118	1.119552789	0.520903334	-0.499509286	1.7615320512
## 187	-1.053569623	-0.759215486	-1.346598622	-0.865929873	0.2627342700
## 188	-0.023746538	0.009560746	-0.886710001	0.670553222	-0.5345192969
## 189	0.969693362	0.389951106	-0.631302740	-0.922491161	-1.6080189817
## 190	0.400346873	-0.194564771	-1.136982163	0.916807036	0.0315093380
## 191	0.166790996	1.064710553	-0.065739381	0.202795048	-0.4243297266
## 192	-2.885146366	-0.293484705	-0.212246627	0.556707260	3.3127487657
## 193	-0.599980456	0.759590272	2.269202602	1.606340505	0.9640723845
## 194	-0.931920936	-0.023913276	-0.557192323	0.301671597	-1.9591233180
## 195	2.622296961	-1.346383971	1.154676183	-0.081912551	0.0766225538
## 196	1.040225195	-1.112145741	0.743530376	0.578892842	-0.9089191009
## 197	-0.859158819	1.913683112	0.527054342	0.103760033	0.7223369401
## 198	1.073697248	-1.365576347	-0.392655273	0.288861587	0.4646381697
## 199	-0.260498048	-0.983947530	1.348166845	1.628457530	-0.6817531130
##	V109	V110	V111	V112	V113
## 1	-1.701137260	-1.955391550	0.856200824	0.236025888	-0.130980706
## 2	-0.045168637	1.177320238	0.749441009	-0.499950567	-0.301663461
## 3	1.762712519	-0.770723984	-1.565892938	0.001833741	0.825173270
## 4	1.039236422	-0.213060282	2.021052781	-0.283020626	-0.852135519
## 5	0.369000464	0.813865229	-3.598136066	-0.779176503	-2.380372741
## 6	-0.943158278	-2.128355285	0.321468257	-1.777030789	0.026685862
## 7	-0.921218976	0.543931177	-0.137862060	1.527043146	0.360270697
## 8	-1.273605641	-1.295156079	-0.757160572	0.272034173	2.670345362
## 9	0.736473827	-0.750131193	2.121101142	1.577229205	-1.018173122
## 10	0.140834676	-0.492945602	0.448844506	-2.134036219	-1.953654323
## 11	0.838502599	0.648530027	-0.686939626	-0.076995176	-0.898667640
## 12	1.908311344	-0.413628334	-0.077184462	1.111829766	2.857323028
## 13	0.725737593	-0.380686043	-0.398204672	-0.685435011	0.575045323
## 14	1.446723101	-0.474832234	-0.279266493	-0.038454350	-1.175287139
## 15	-2.329257710	-1.137788504	0.087959633	-1.262127461	-1.662677827
## 16	1.444867160	-0.497006567	-0.274579939	-0.596871804	-0.620044166
## 17	-0.745444906	-0.742788589	0.711485639	-0.279064122	-1.621653974
## 18	0.017774045	0.030136098	0.983848283	0.108357005	-0.726109099
## 19	0.499855594	-0.159153190	0.781833611	-0.137264406	-1.203775229
## 20	-0.776041836	0.596068837	2.379539109	-1.668285993	0.516745477
## 21	1.737639391	1.028177027	-0.085731076	-0.986938926	-0.033754114
## 22	-0.435454376	-0.428366732	-1.059247239	-0.409568562	0.828307544
## 23	-0.501079822	-2.188617159	-1.591464253	-0.569534344	-2.201596565
## 24	1.421984216	0.165307494	1.233767725	-0.360801551	-0.489944153
## 25	0.486368078	-0.291463208	-0.894236730	-0.417184107	1.700307317
## 26	-0.529215407	0.196804859	-0.413161231	-1.472646754	-0.677069427
## 27	1.392064192	0.286792205	0.809736566	-1.526145971	-1.682036762
## 28	-0.717647599	0.928199780	1.761905902	-1.067865620	-1.904317535
## 29	0.077505523	-0.302283608	-0.873581861	-0.381950478	-0.173078430
## 30	0.699182279	0.793461105	-0.544944600	-0.615590916	-1.751524127
## 31	-0.727544761	-0.714769612	2.516455263	-1.031731003	2.029304888
## 32	0.581585847	0.665342710	0.089107545	-0.664880793	2.091351100
## 33	1.355192720	-0.572669476	1.909435330	-1.311427440	-0.402145464

## 34	0.079276379	0.266461079	0.580336545	-0.203761412	1.573536547
## 35	0.615189291	0.044020022	1.377161999	-0.208029831	1.229151585
## 36	-0.938660650	-0.034627409	-0.426741741	-2.521612886	0.254863483
## 37	-1.530830119	-1.375770119	-0.947296071	-1.485546885	-0.224598874
## 38	0.215357838	-0.116690056	1.065380461	2.910827047	0.579229932
## 39	1.305778255	0.995924885	-1.097186978	1.635285642	0.529179468
## 40	-0.389343452	0.813297329	-1.814660101	-0.339613157	-1.037151384
## 41	2.109358449	0.129454081	-0.939610926	1.427625493	0.625883686
## 42	0.632562106	-1.010093841	-0.737656331	-0.707364847	-1.362559665
## 43	0.717311469	-0.313666010	0.120969259	-2.127763246	-1.600059423
## 44	-0.665328078	0.301327306	-0.635120183	-1.586195871	-0.622425551
## 45	1.111290873	0.974612304	-0.285065843	1.033050556	-0.071499891
## 46	-1.301391080	-0.168039248	0.117908615	-1.505924922	0.280380009
## 47	-2.168794535	1.833000133	-0.850336756	-0.697348123	-2.006939727
## 48	-1.340587664	-0.558720302	-1.471967451	-1.029141518	-0.604770412
## 49	-0.973343636	-1.872229346	1.165895513	-1.768192404	-0.352345028
## 50	-0.453964343	-0.647409095	0.091802936	0.188114750	0.229354592
## 51	-1.529621419	-0.983777391	-1.545039304	-1.071757294	-1.976846547
## 52	1.088541827	-0.173743231	-1.033448311	-0.020640028	0.270045351
## 53	0.509850545	-0.874132076	-0.946230138	0.420103360	0.011978358
## 54	0.034767717	-0.851116603	1.223042224	0.979840069	1.605880970
## 55	-0.303108787	-0.196503595	-0.471574752	-0.174898880	-0.582589304
## 56	-2.560520951	-0.601419335	0.722079247	1.331408819	-0.138631419
## 57	0.091222242	0.918956221	1.524848278	1.610152598	-0.621602624
## 58	-0.568407913	-0.582191770	0.257930053	-0.012081488	0.317038013
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## 61	-0.303558361	-0.172734746	-1.662073294	0.211374730	-2.204995846
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## 63	-0.950658656	-0.594137543	-0.227922439	-0.994716670	-1.063177077
## 64	0.201869661	-0.840454474	-0.152265413	-0.820867522	0.657070349
## 65	0.203451466	-0.090244643	0.106265087	0.723472453	-0.299271692
## 66	-0.853436007	0.213931790	-0.042230986	-0.160440674	-0.227549809
## 67	0.265397256	1.300036877	1.569990820	-1.886429470	0.476281898
## 68	0.263818341	0.367751141	-1.138137082	1.352652392	-0.742774538
## 69	-0.040588199	0.561531642	-1.026418318	-1.660677224	0.411447798
## 70	-0.464739624	-0.456877129	1.849859689	-1.546597863	0.535125689
## 71	1.372457638	-0.472578021	-1.081197857	-0.188533421	1.558343458
## 72	-1.372742941	0.910553457	0.015507715	0.403504330	-0.961614232
## 73	-0.591709518	-0.279579852	0.924686525	-0.257248865	-1.820205628
## 74	1.573751618	-1.378889084	0.449949874	0.856469118	-0.160091237
## 75	0.295320636	2.139271290	-1.072549733	1.069097390	-0.370550673
## 76	0.154027415	-1.339135122	0.758892518	-0.560901237	1.316890333
## 77	0.655436395	-0.164740200	-0.656399332	-1.610643802	1.792866759
## 78	1.067713605	-0.408329949	-0.700749903	0.682478261	1.246603621
## 79	-0.018066728	1.497845569	-0.164691234	0.201426358	0.189747617
## 80	0.445830215	-0.409940517	1.478936484	-1.198321718	-0.010553374
## 81	-0.722855717	-1.177986557	-0.396353267	3.081791146	0.240617671
## 82	0.158453361	-0.435571593	-1.935580090	-0.845892617	1.517427231
## 83	0.337540952	0.227818349	0.381424916	0.192837225	0.525689105
## 84	0.034904366	-0.871240691	0.567994451	0.435999634	-0.003999223
## 85	-0.336660434	-0.738698335	-1.378064185	-0.314746494	-0.783996157
## 86	-0.426119614	0.621620968	1.230360949	0.131954980	0.764148147
## 87	0.962577200	0.697924752	1.317065371	0.763167059	1.331134169

## 88	0.384152144	1.755671360	0.888431398	1.403202758	0.509156998
## 89	-0.039162261	0.853436433	-0.646057389	0.467828595	0.750032296
## 90	-0.536775375	0.194432324	0.679748607	0.994151138	-0.884734206
## 91	-0.159837684	-1.413950320	1.414325517	-1.315017550	-1.015349102
## 92	-0.996470755	-0.205069184	-0.001248014	-0.235388051	1.201902869
## 93	1.327992058	-1.112053781	-0.192154640	-1.311942294	0.144926071
## 94	1.522187908	1.979542115	-1.387417899	-1.705475339	-0.994619295
## 95	-0.256001776	0.030311161	0.724635162	-0.763246221	-0.827947223
## 96	0.234539569	1.850198714	0.433184207	-0.202616146	-0.086464932
## 97	-0.162640895	0.314319991	0.545965100	-0.097896896	0.266261058
## 98	0.400314999	2.039165972	0.752365777	-1.219126687	-0.393824561
## 99	0.902696411	0.065516441	0.868954896	2.312156717	0.244536406
## 100	1.324198089	-0.823096026	0.052715596	-1.357666954	1.528207403
## 101	0.430385016	-1.147550301	-1.124422236	-0.443186596	-1.485192935
## 102	0.277092509	0.303753010	1.459053470	-1.541862565	-0.382454133
## 103	1.139923165	-0.299987612	1.267912819	0.215499768	-0.877141735
## 104	-1.445184357	0.888766840	1.283128794	-0.878015582	0.901438215
## 105	0.481265840	-0.021753052	0.769525643	0.026357860	-0.458816617
## 106	-0.255409508	0.178524543	-1.640664142	-1.177850864	-0.725005456
## 107	-1.128567096	-0.118401062	-1.155995324	-0.871526098	0.153500076
## 108	0.932597222	1.651606552	0.564354234	-2.144387602	-0.007656754
## 109	-2.155069749	-0.957646230	0.898002388	-1.827460677	0.606959809
## 110	-0.043008253	2.184479623	-0.773441884	-0.654573902	1.709432838
## 111	0.663160715	0.871239682	1.602945830	0.386989242	-0.871903831
## 112	-0.198220968	-1.049810092	-1.679320061	-0.496831230	0.007838125
## 113	-0.018150963	-1.158244377	0.032087747	1.556427280	-2.301739745
## 114	-1.563066923	-2.124592088	1.733727872	-0.633785246	-0.399294507
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## 116	-1.040638602	0.177776286	-0.461897941	-1.070949720	-0.048401716
## 117	0.858208478	-1.367320160	-0.019625233	0.300090035	-0.275013308
## 118	0.509645628	0.129759939	0.543449372	0.849513692	-0.233760089
## 119	0.510589765	0.084895188	1.177872305	-0.686453966	-0.435188560
## 120	-0.720504174	-0.307444566	0.805826918	0.999803131	0.342935070
## 121	0.119112678	-0.215387331	0.499330815	0.686155235	-1.632500073
## 122	1.130265700	0.988165171	-0.713567112	0.327142402	1.424527634
## 123	0.341911987	0.907837240	0.227560068	1.039529846	0.681309361
## 124	-0.339459322	-1.395318937	-1.503433977	-0.523718037	0.607911140
## 125	-0.546717648	-1.170973534	-0.426744121	-0.521850122	-0.151023097
## 126	-0.630883703	0.007303738	0.998036073	-0.454015838	0.294923725
## 127	0.901774354	-1.908286354	0.323135592	-0.928333812	0.937831628
## 128	-0.054991611	-0.045779334	-0.904158886	0.441952122	-0.583106602
## 129	0.356656991	-0.326234523	-0.418199067	-0.017760035	-0.617873724
## 130	1.036568664	-0.392301316	-1.673864569	0.881613684	0.480430974
## 131	-0.654742867	-0.692260073	-1.314310519	-0.624720689	-1.418326794
## 132	1.048611277	-0.353726038	0.131248057	-0.906953243	-1.301787596
## 133	0.747092274	1.956678855	-0.904543144	0.934028077	-1.087088258
## 134	-1.022242243	-1.347629913	1.377725561	-0.802554929	-0.510652121
## 135	0.285598673	-0.447500193	-0.092942818	1.049694202	-1.328562791
## 136	1.593275044	0.024372017	0.020026288	-0.094382298	-0.284223734
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## 139	0.280486803	0.153448346	-0.961712376	0.577064687	-2.205826574
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## 141	1.110302982	0.975108817	0.640476619	0.361234297	-2.623760486

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## 142 1.433878124 0.361181119 -0.569128187 -1.541813859 -1.420964591
## 143 -0.727747808 0.261062244 -0.851632946 -0.075903297 -1.035241170
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## 145 0.203506079 -0.007009861 0.154828699 -1.688583715 1.745201360
## 146 -1.017929834 0.488698550 0.132705234 0.439520295 2.831831343
## 147 0.829412612 0.352865043 -0.393593416 0.749832061 1.873137390
## 148 -1.005812291 1.699082860 0.623552958 -0.150604338 -1.446601449
## 149 -1.589374506 -0.419313152 1.007001604 -1.292544479 -0.026045148
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## 151 1.786085299 -0.698491448 -0.172127414 0.325549723 0.533353153
## 152 -2.383175036 -0.263695372 1.478018319 -2.739964733 1.778824924
## 153 0.795568672 -1.302559110 0.166161994 0.454282914 -0.489413874
## 154 -0.174389736 -0.128971146 0.528609105 1.148739551 0.577372734
## 155 -0.434198626 0.556605977 0.690884809 1.496556583 -0.761727613
## 156 0.106930436 -0.206223524 -0.880276400 -0.927076477 -0.133388435
## 157 -1.369810707 -0.926456061 0.549494867 -0.127824648 0.471224373
## 158 -0.233422002 -1.928855272 1.516671234 -0.903866710 -0.731501695
## 159 0.468462056 -0.567212138 1.043584530 -0.653781623 -0.289083109
## 160 -0.003084219 -0.700245903 0.069138721 0.500089784 0.473480700
## 161 -1.384810744 -0.210803471 0.938253723 -0.466553422 0.302598355
## 162 -0.418833187 -0.574853981 -0.011793892 0.468902942 1.736306496
## 163 -0.301338266 -1.048437066 -0.443668377 1.583702307 -1.150214287
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## 168 -0.754245342 0.237012559 -1.401637138 -1.934255756 -1.599016885
## 169 -0.248532202 1.137679194 -0.703977879 -0.750258058 -0.919390872
## 170 -0.436511884 2.432873904 -0.047705458 0.382307800 0.735192282
## 171 -0.328057209 0.645778594 1.637539694 -0.890001046 -1.201918129
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## 175 -0.767303476 0.558118024 -0.169757950 -0.616642743 0.181534091
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## 177 0.085972038 0.007063835 2.662974940 -0.952921274 -0.809821936
## 178 -1.036047794 -0.573041196 0.294864386 -1.035262747 0.846384146
## 179 -1.839519952 2.355892573 -0.202106544 0.159257049 1.239127465
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## 181 -0.905962423 0.777439843 -1.223362634 -0.497733828 1.004966353
## 182 -0.499607170 3.124660318 -0.513321203 -1.677584511 0.780321625
## 183 -1.958710911 0.224026028 -0.783280725 -1.372039202 2.699066775
## 184 -2.044928706 0.244605351 -0.953999553 0.705442660 0.479032444
## 185 -0.822046244 0.064281141 0.426819015 0.432379006 -0.601836003
## 186 0.746691542 -1.636762942 0.220808418 -1.705339716 -1.863101324
## 187 0.042821128 0.929352775 1.123522346 0.142241966 -0.328551754
## 188 -0.040955809 0.258765420 0.291505916 0.061975406 -1.818171901
## 189 1.080278386 -0.670486648 -1.019129754 0.804607747 0.915204604
## 190 -0.295821144 1.326855525 0.406755876 -0.933818922 -0.502422240
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## 192 0.397578802 1.309954061 0.895537288 1.520897286 -0.925711001
## 193 -0.086236935 -0.932667069 -1.051296890 1.270287113 0.050828477
## 194 0.325760786 0.896634520 -0.586878498 -0.827337653 -1.143149308
## 195 1.368897501 0.127686654 1.372326899 1.512702968 0.168980327

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## 196	1.063110981	0.966970869	-0.107182708	-0.316878510	-0.544298349
## 197	-1.193922131	0.835141638	-0.672421295	0.567313626	0.193818683
## 198	1.546069436	-0.103603193	1.552835962	-1.311453911	0.164364191
## 199	-0.039975049	1.584219794	0.901646463	-0.573041455	1.236351845
##	V114	V115	V116	V117	V118
## 1	-1.808658571	-0.043467884	-0.082519916	-0.04325844	0.841666968
## 2	0.660182397	0.302060343	0.336922751	-0.87686523	0.721023002
## 3	-1.110048287	0.491770258	-0.899350848	0.55022189	-0.005955857
## 4	-0.794756936	0.103371773	-0.364366603	0.47760837	1.529383353
## 5	-1.105676472	1.435789991	0.675169217	0.34555054	0.439229192
## 6	0.466611121	-1.257349528	-1.154169824	-0.37855979	0.864357036
## 7	-0.274965841	1.438083464	1.619372674	0.24348159	1.106274583
## 8	-0.799695806	-0.087467689	0.440197441	-0.90042434	0.936399203
## 9	0.738588256	0.916537051	-0.448755350	0.37611167	-0.821668938
## 10	1.030298648	-1.348786136	-0.765718057	1.51025354	0.350904844
## 11	1.059454597	1.420728955	-1.348547130	-0.08384886	-0.833654616
## 12	-0.261812447	-0.850940387	-0.991238625	-0.09633860	-1.150640337
## 13	0.652597352	0.345974722	0.512589745	0.23549795	-1.048342971
## 14	0.886444517	-1.521514684	-1.500592140	1.59572618	0.182730141
## 15	-0.698283985	-0.147117055	0.268878483	-1.10916199	-0.570271603
## 16	-1.410126603	-0.867960097	0.020776353	-0.29350954	0.741153974
## 17	-0.835411481	0.102819138	0.558067953	-1.36032364	0.963423718
## 18	-0.481928700	-0.758374437	0.364601466	0.30264524	1.459290074
## 19	-0.429679804	0.036154467	0.198357688	-1.07842929	0.381096496
## 20	-0.789204008	-0.477244820	-0.212751019	-0.29198573	0.665715484
## 21	-0.287526644	0.645509586	-0.627930381	1.27266433	-0.990221272
## 22	0.659882292	-0.611650012	-0.351984904	0.43978869	0.499969412
## 23	0.703223856	-0.559456347	-0.065393690	1.58883883	-0.675592605
## 24	-1.399953725	0.395987245	0.632187208	0.80476594	-1.498356810
## 25	-1.225611383	0.779404481	-0.135397540	-0.67940091	-0.718784954
## 26	0.755370373	-1.148872541	1.620851664	0.03159290	1.237813390
## 27	1.364524512	1.712263171	-1.296712505	0.75265329	-0.778788353
## 28	1.109122146	0.643724994	0.937949925	0.76018174	-0.125704416
## 29	-0.857865599	0.076926821	-0.161131915	-0.91951226	0.263131035
## 30	1.154216277	-0.136436687	-0.112689809	0.01033868	0.967175746
## 31	-1.295304893	-0.876880994	0.046241170	-0.11361137	0.020249745
## 32	0.415274271	-1.695052191	-1.200932342	0.94752238	-0.081450802
## 33	0.676393193	0.246398639	-0.428091442	-0.97422355	1.308633087
## 34	-0.304416945	0.921905122	0.338579908	-1.53823525	-1.056107174
## 35	0.418499402	-1.326753227	1.257230633	-0.76844442	-1.366285600
## 36	-0.239690248	1.670484273	0.929139635	0.60400417	0.360165046
## 37	-1.992922429	0.434591569	-0.939325564	0.47435555	-0.079100215
## 38	-1.337927511	0.319286354	1.492864358	0.34494325	0.953150011
## 39	1.415885526	0.047738310	-0.067348260	-0.43461351	-0.402207620
## 40	-0.534022785	-1.991588419	0.149258822	0.34017853	-1.181628258
## 41	1.162929656	-1.838357388	0.642848158	-0.66575664	-0.016399813
## 42	-0.700847684	-0.158724314	0.609464467	1.26068031	-0.710725584
## 43	0.231711853	-1.343672762	0.208100991	-0.84153824	-0.182694222
## 44	0.152881187	0.596109455	0.374316671	1.13127924	-0.072329096
## 45	-0.158631319	-0.573879543	1.042827107	0.23731457	1.420576020
## 46	-0.019396065	-0.821400018	0.320520979	-0.89874102	0.417235146
## 47	1.347401396	-0.654369533	-1.853095733	1.25501565	0.292035351
## 48	1.872326372	-0.126615859	-0.399818534	2.34613443	0.069583875
## 49	0.081852795	0.787229360	-0.822083169	0.95630189	-0.419838710

## 50	-1.238653037	0.160004730	0.293283274	2.16922010	1.257727837
## 51	-0.523392549	0.187203102	-2.302495062	-1.26367645	0.291698148
## 52	-0.800208128	0.822626829	0.003925813	1.98580694	-0.214068384
## 53	2.184385723	-1.258782351	0.286690858	-0.04246637	-0.722728150
## 54	0.774960831	-0.711266785	-1.351290735	1.11664805	0.737092592
## 55	0.681461349	-0.097250398	-0.587952344	0.88945737	1.889015333
## 56	0.202599848	0.105785479	1.586401037	0.90855988	1.159401222
## 57	0.368935460	-1.351674795	0.407662819	0.14907222	-0.420956082
## 58	0.627128561	-0.205128353	0.841349342	-0.66330790	-0.394881679
## 59	0.760821718	1.304410071	0.498376976	-0.52575933	-1.040416028
## 60	-0.585678949	1.199909276	1.344098917	-0.38999726	0.312348751
## 61	1.558123145	-1.472011596	0.051299174	0.46522715	-0.709671851
## 62	0.326226083	0.536961346	1.079912122	0.19652395	0.181618639
## 63	0.411661661	-0.559403668	-0.089228704	-0.97410284	-0.063498937
## 64	-0.552189987	0.135410136	-1.369524800	0.65796780	2.407478562
## 65	-0.587685901	-1.813819559	-0.738456542	-1.96734120	1.653126833
## 66	-1.350511251	-2.046919037	1.090278727	0.10609325	0.934870712
## 67	-1.142907113	-1.200194284	0.026479421	-1.00694380	-1.129841743
## 68	-0.865630853	0.034309130	-1.013798194	-1.20795546	0.917223420
## 69	2.776079434	-1.010541785	1.394281862	-1.91659245	-2.270022606
## 70	1.012891105	0.265608744	0.856845814	0.29115563	0.419494024
## 71	0.939146490	1.083662774	-0.490668921	-1.60313381	0.618791342
## 72	0.460319210	0.763708972	-0.994248869	-1.51126695	-0.394065612
## 73	0.757845404	-0.343893861	-0.256059828	0.09124092	0.030009804
## 74	-1.683899725	1.993339699	-0.796791639	-0.61014756	-0.097863227
## 75	-0.852540526	-0.887757779	-0.017104030	-0.85936915	-0.775789924
## 76	0.712642280	0.588445263	0.046289666	0.09006398	0.156158118
## 77	-1.325572259	0.147763726	-1.015490589	0.30798926	-0.523181999
## 78	0.787013464	-1.190836691	1.311170316	0.51465764	-2.044815726
## 79	-1.693421272	-1.776201262	-0.255147839	0.20090659	-0.448135802
## 80	1.725812632	0.805371662	-0.701735699	-0.67869018	0.609714772
## 81	-0.493413525	-0.687234056	-0.564397096	0.20219293	1.354798472
## 82	1.088529993	-0.700674627	-0.244047218	1.55363450	1.883063505
## 83	-0.412439504	-0.564811660	-0.895191110	0.64922032	-0.523316618
## 84	-1.154432919	0.341541729	0.517972635	-0.02557745	0.480384829
## 85	-1.137682676	0.139474677	0.097438641	-1.89378915	0.216684327
## 86	-0.411505533	0.333237622	-0.091015487	1.73562858	-0.668999615
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## 88	-1.779953511	1.271407845	2.259817872	-0.44140514	-2.157075824
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## 92	-1.578206724	1.322444209	0.908172576	1.19409853	0.006237765
## 93	-0.467518013	0.734614983	-0.433611373	-0.49496388	-1.400212721
## 94	-0.634654668	-0.455705188	0.278942400	0.68580723	0.044868370
## 95	-0.779111338	-1.630409152	0.247193246	-0.72427142	-0.506146965
## 96	0.823407487	-0.854238543	-0.155393153	0.20675773	0.025412611
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## 98	0.243588120	-1.136260126	1.522590887	-0.34866049	1.940740861
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## 100	1.100886047	0.964061310	0.731168591	0.30370513	1.330602486
## 101	-1.050813573	0.754610119	0.311513244	0.93116818	0.901559647
## 102	-0.104201800	-0.960978412	-1.303183028	1.47028333	1.038489514
## 103	-1.987113936	0.355089801	-1.232843616	0.73541516	-0.687134812


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## 104 1.016777509 -0.272238172 -0.643473544 -2.02151342 -1.324875813
## 105 -0.713596108 -1.106721343 1.237734243 2.21432328 -0.337198861
## 106 -0.123369935 1.304358453 0.834277335 0.72158856 -0.627647665
## 107 0.532043628 1.172650904 -1.204158741 -0.66437414 0.790415822
## 108 0.560326549 0.307757148 -1.182270235 0.93930176 -1.256463619
## 109 0.714649799 1.064266792 -0.283554986 -0.21232769 -0.099616521
## 110 -0.183030123 -0.423275989 1.080319491 1.79855226 -0.997956552
## 111 -2.078200042 -1.129863000 2.549879690 -0.85445680 -0.221646194
## 112 0.501239753 -0.508799323 -0.123564186 0.31457788 -0.921673523
## 113 -0.681955495 -0.194067585 -0.607573020 0.79407715 -0.279116974
## 114 0.255504457 -0.190506381 -0.921222369 -1.12347045 0.276187634
## 115 -0.729880632 -0.298158438 -2.395332603 -1.43857152 -0.896357092
## 116 1.515665026 -0.271584281 -1.086507023 -0.41427346 0.212180221
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## 119 1.513246151 -1.219818933 1.395631938 -0.66884647 -0.183501066
## 120 -0.557244737 -0.459792085 0.648677044 -0.02256072 0.705270084
## 121 -0.428430273 0.813622647 0.392736909 0.18741397 0.447339591
## 122 0.635018314 -0.877998513 1.236586783 0.06231619 0.029634179
## 123 0.068990703 0.992663638 -0.623580463 -1.24551637 1.880523254
## 124 0.884150587 0.177552754 -0.618298317 -0.45416816 0.514633169
## 125 1.946613364 -0.010975339 1.579327809 -0.32004859 0.479215716
## 126 -0.004933682 0.986709934 -2.159692867 2.49530209 1.445988093
## 127 0.046505428 -0.146435066 -0.980253679 -0.55725723 0.073281578
## 128 -0.583127785 -0.720801491 -0.326191400 0.42517491 0.689407433
## 129 -0.507293275 2.175300027 0.756666065 0.40237464 0.813617566
## 130 -0.601323993 -2.301769495 -1.403857895 1.60796591 -0.551633706
## 131 -0.356654936 0.731566671 2.031532175 0.15527121 0.586680705
## 132 0.763938801 0.596791353 -1.280544194 -0.98956718 -1.570711772
## 133 -0.457505003 -0.089784831 -0.664601478 0.91446423 0.364874610
## 134 -0.991292215 -2.050811674 -0.400389819 0.69717323 -0.917971164
## 135 -1.209694086 0.109826952 0.518118321 0.30725966 -0.879134648
## 136 -0.030047870 0.264391593 0.054903993 -1.06349784 1.953374784
## 137 -1.088328386 -0.371943357 -0.040708742 0.80854410 -1.666119487
## 138 1.126490332 -1.034599577 0.946499615 0.48468985 -1.381947537
## 139 -0.008951004 0.762682432 -0.224181462 -1.92841144 -1.055284113
## 140 -0.085839246 1.065780705 -1.754461648 0.94441696 -1.055391505
## 141 -0.829874363 -0.227047958 -0.198319421 0.73057347 -1.462397086
## 142 0.319956419 0.045154815 0.846900920 0.00109514 1.579177347
## 143 1.007098163 1.126815965 0.405505704 2.19444959 -0.129767048
## 144 1.782899899 -1.996462701 -2.007518918 0.65018479 -1.204606779
## 145 -0.251431611 0.902615719 -0.979654662 0.83045283 0.146191081
## 146 0.302297472 1.230065251 -2.182052382 -1.15564648 0.595572653
## 147 1.129649601 -0.363464338 -0.045843889 0.23686550 -1.287203834
## 148 1.661807008 -0.297612650 -0.621518886 0.74058506 0.243932430
## 149 0.584749886 0.274650704 1.156853567 1.57709630 0.680055274
## 150 0.978105736 -1.508650878 -1.313050621 1.14323475 0.272148433
## 151 -0.038912395 -0.811769614 -0.962558553 -0.30354393 0.138893289
## 152 0.692990903 -0.258021929 -0.014260549 0.41000025 1.269988405
## 153 -0.165195594 1.045077361 -1.106864061 0.57899818 0.386685513
## 154 1.473252167 0.346825715 0.294251347 0.81142280 2.321869235
## 155 1.920319423 -0.803438912 1.194229799 -1.15175847 0.458552911
## 156 1.341240357 0.972143628 1.238408562 0.58889514 0.507919799
## 157 -0.473642699 -0.664569771 1.078482215 0.91531641 -0.764766722

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## 158	2.815534630	-0.260498263	0.170867682	0.61189628	3.078121623	
## 159	1.153165215	0.661909325	0.340963120	1.20912059	-3.120555027	
## 160	-0.502760887	-1.039061139	1.021795794	-0.63544640	-0.633653178	
## 161	0.087249102	-0.355879461	0.267621600	0.65257835	0.234563079	
## 162	-0.199332703	0.837496311	-1.040895444	0.11497299	0.756876673	
## 163	-1.316251386	0.087012016	-1.081998679	0.31885938	1.959480988	
## 164	-0.881968542	-1.285926984	-1.376144589	1.13921418	-0.513824202	
## 165	1.820678381	0.020845146	0.683239033	-0.24123990	-1.422179746	
## 166	1.542870466	2.500186379	-2.966715474	-2.28378560	-0.621156102	
## 167	0.488135592	-0.445046460	-0.627083899	2.74334958	0.367969641	
## 168	-1.375122305	-0.136069805	0.222968624	-0.97082630	-0.367650204	
## 169	-0.689356138	1.175850766	1.623243212	0.69373304	-1.220856684	
## 170	0.015036331	0.952216984	1.288792255	1.81894704	0.834389262	
## 171	-0.287168667	-0.665442834	-1.198756560	-0.63386487	-0.196222962	
## 172	0.117978529	-2.936963704	0.419369659	-0.97634145	0.881043041	
## 173	-0.126065095	0.545299587	2.610174739	-0.36694236	0.417778970	
## 174	0.396156575	-0.406507620	0.522601139	-1.27459262	0.154025207	
## 175	-0.846586726	0.136341604	0.598078602	-0.29498160	-0.116890033	
## 176	-0.432980441	-2.072848207	-0.928302687	-2.55307337	0.655249671	
## 177	0.474136251	0.805955348	0.607233474	0.57543642	0.533598246	
## 178	1.436627132	0.708249072	-0.159697356	-0.95878480	-1.119445518	
## 179	-0.633056516	0.163395002	1.310011126	-0.16276721	-1.730557691	
## 180	-1.497185880	-1.336461337	0.816702045	1.30156117	-0.667477244	
## 181	1.256600436	-0.298223102	0.877274431	0.72660715	-0.309996809	
## 182	-2.028151030	-0.148299900	-1.377759205	-0.97853679	1.793421699	
## 183	-0.305256329	-0.004075274	-1.713105691	0.93290580	-0.139251769	
## 184	0.928067760	-0.424666581	-0.610100895	1.23898133	2.780521775	
## 185	1.040102387	0.188225562	1.573377721	0.29395608	-1.054091702	
## 186	0.034009634	-0.716481685	-1.461742869	-1.77349761	2.012766419	
## 187	-0.404881438	-1.288320654	0.584426816	0.49835797	0.029344788	
## 188	0.174963174	-1.296228693	1.664188231	-0.56947140	1.568975039	
## 189	-3.053054396	-0.475637680	-0.111453184	1.54081874	0.912749084	
## 190	1.191661632	0.526865109	-0.611136437	-1.42888455	-1.101916494	
## 191	-0.895668198	0.477224367	0.244681276	0.17502258	-1.507584100	
## 192	1.686611714	-1.740399741	1.340334184	0.83146172	1.763803113	
## 193	0.698442484	0.016220341	-0.722519391	1.24887951	-0.846213493	
## 194	-1.876474313	0.075605589	0.814034160	-1.35053948	-1.777339167	
## 195	-0.032873409	1.826877488	0.260750565	1.04576147	0.113777904	
## 196	0.143833732	-0.330746990	-1.151623272	-0.74605188	-0.332985617	
## 197	1.152588900	0.683048150	-0.120164772	0.03349865	0.238490171	
## 198	2.405789830	0.443160160	-0.293998707	-0.32779057	0.648908257	
## 199	-0.019437738	1.564405372	-1.687121021	-0.58209323	-1.460572997	
##	V119	V120	V121	V122	V123	V124
## 1	1.0576228193	0.508271216	-1.115976470	1.56375692	-2.60813206	0.02117698
## 2	-1.0003016689	0.392538699	1.490080545	-0.41371791	-1.80776058	-0.19178394
## 3	2.3957304767	-0.447564468	-1.467684609	0.15371314	-1.16682421	-0.66014602
## 4	0.1249486333	-1.279535236	-0.556651454	0.29466763	-1.91492294	-0.16083823
## 5	1.5309778974	0.482818954	-1.157164895	0.50972479	1.88154325	-0.02817976
## 6	-1.4256459116	1.967016237	0.031491945	1.16384671	-1.14712416	-0.78561098
## 7	-0.8454617013	0.148027647	-0.598051022	-1.73382474	-0.34610842	-1.15284084
## 8	1.1834577564	0.067588962	0.232918319	0.64717101	0.12557360	-1.29925440
## 9	1.6666844859	-0.759533526	-0.722916613	-0.35444741	-1.91737505	0.69508490
## 10	0.7859145034	-1.193131502	-0.464084854	-0.52946933	-1.25064924	-3.07114092
## 11	-1.0311549316	-1.031865378	0.446807088	-1.45774734	-1.04659013	-0.48360618

## 12	-0.2951591570	-0.226183523	-1.018638036	0.52781087	-1.88882577	-0.88627583
## 13	1.0172641642	-1.412634170	0.963622813	0.07194085	-1.81643503	-1.42929243
## 14	-0.3101451546	-0.885795530	1.709380295	-0.08201569	-1.33857665	-2.51897703
## 15	0.1524702696	-0.144283024	-0.157258139	-0.62976704	-0.34673002	-0.61378288
## 16	0.3979721139	-1.052226699	-1.219883465	-1.05683463	-1.19886739	-0.33738547
## 17	1.5754091284	-0.864731699	0.691575465	-0.75729891	2.31414120	-0.23097926
## 18	-0.5465751414	-0.694139217	-0.360667893	0.61357329	-0.73093682	1.41778883
## 19	-0.4248217367	-1.124968232	-1.353300055	0.41755378	0.09277714	0.22543606
## 20	0.4500445391	-1.167607190	-0.004359382	1.30113481	-0.07461777	1.85774971
## 21	-0.6920753865	-1.325653589	-1.530005411	-0.19945384	-0.74939779	-0.94912163
## 22	1.6386549035	0.090178678	-1.388401816	0.52672210	-1.26445450	-0.41282574
## 23	0.6640235859	0.393118578	-0.097686012	0.69331256	0.31794980	-0.23157933
## 24	-1.8987268884	-0.367738903	0.136619835	-2.29275961	2.51061761	-0.15008932
## 25	0.6013314321	1.079359953	1.243296219	-0.13895647	-1.05510833	1.37314312
## 26	0.3726891456	-0.091038670	-0.696420290	0.75793364	0.80195293	1.02367029
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## 28	-0.4863089778	-0.154959747	0.437055923	-2.38883704	-0.69178792	-1.81025927
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## 30	-0.0293779327	1.494010093	1.471349419	0.22855273	-0.86483021	1.09206647
## 31	-0.4991675694	0.196082421	-0.352670902	-0.07858503	-1.14882454	0.43645797
## 32	-0.1338356264	-0.695624413	-1.420607949	0.07949102	-1.07461097	-1.00494775
## 33	0.5935796260	-0.466110893	-1.438269300	-0.16365593	1.02405928	-0.15259683
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## 37	0.1976049432	-0.084311200	-1.367442488	-0.70811689	-0.70677072	-0.92585117
## 38	-0.8712811591	-1.629373830	-1.243404772	-1.32579464	-1.16881850	1.02779540
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## 78	-1.8574139763	0.948467856	-0.776323211	-0.02935015	0.65733888	-0.50128859
## 79	-0.8740553905	-0.798886412	-0.890744337	0.50715565	0.81832865	1.25116547
## 80	1.2073006327	-0.313373387	-0.819466753	0.46123658	0.21197988	-0.95488240
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## 101	1.4134946879	0.838352678	0.222714729	1.25561870	0.42388106	0.81360388
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## 120 -0.0637301696 0.394961528 0.768930997 -0.15064659 0.60234104 0.32329155
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## 185	0.2707922080	-0.879761986	1.059562832	1.35459891	-0.88028536	-0.65553988
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## 192	-0.4954118685	-1.535856751	-1.753692260	-0.30240180	-0.81799125	-0.43755079
## 193	-0.6897225120	1.274695897	-1.301236011	0.16370806	1.36840951	-1.21107587
## 194	0.8585319079	1.229308776	1.077233675	-0.42085958	0.82709282	1.32462321
## 195	0.4070837964	-0.455446699	0.610460119	-1.08994838	0.56777167	0.43995876
## 196	0.8492641636	0.319851414	-0.303016407	-0.74891277	1.90555452	0.38794313
## 197	-1.3033267426	-0.017105958	1.158798197	0.57959196	-1.62173983	-0.40094070
## 198	-0.2495035338	0.597791500	0.556954459	-0.60840572	0.34411362	-0.34430286
## 199	0.2426396300	0.012614926	-0.037895976	0.63795112	-0.74017054	1.37199826
##	V125	V126	V127	V128	V129	
## 1	0.144886397	0.315534000	-0.653685491	0.54280648	1.609930365	
## 2	1.569401525	0.594100935	-0.006956857	0.64417272	0.587828747	
## 3	-1.459884897	0.174685305	-0.806943061	1.65816043	0.679134862	
## 4	-0.468196307	-0.524372517	0.373302618	1.10942191	-0.435555307	
## 5	-1.051768629	-0.407883473	1.023540974	-1.96529153	-0.139808496	
## 6	1.717260890	-1.530932740	0.415188685	-1.10211584	-1.695147862	
## 7	-0.251308979	0.571791205	-0.338239283	-0.55056671	-0.422897176	
## 8	-0.700044949	-0.901811101	0.890935581	-1.60711652	1.186650216	
## 9	-1.510321696	-1.247258721	-0.422332004	-1.97019940	1.739056018	
## 10	0.515274097	0.444177631	-0.307693845	1.38850743	-0.747214144	
## 11	-0.690634950	-1.351349139	-1.787204399	-0.16866717	-0.583758549	
## 12	-0.255912376	1.783325516	-0.807447173	0.33002363	0.019960483	
## 13	-0.253607456	-1.290964555	-0.028835134	-0.34268947	0.638474957	
## 14	1.967116783	0.407743928	-1.446411729	-0.77828644	1.888879782	
## 15	-0.096561266	0.915566572	0.578320831	1.02332948	0.471516139	
## 16	0.153505938	-0.194363294	-0.366491344	1.23138988	-0.311987498	
## 17	0.352500968	-2.084419415	0.398781064	-0.35210510	0.696268324	
## 18	0.184251725	1.167387223	-1.820854316	-0.46575066	-0.531667416	
## 19	-0.200982533	-1.007928301	0.421749559	-0.82842795	0.755552258	
## 20	-0.540193160	-0.561096984	1.290766781	-0.57817858	0.459167556	
## 21	-0.429834036	1.134579644	-2.229883426	-0.68834916	-0.447621766	
## 22	-0.612912052	-0.319940422	-0.886715265	0.06044438	0.245386740	
## 23	0.506793738	-1.138390434	0.901835620	-0.39414539	-1.220644177	
## 24	0.805600427	0.442567842	-0.208633075	1.12627256	-0.654179786	
## 25	1.185826402	0.859339922	-0.147209486	-0.19575154	-0.145232619	
## 26	0.275991362	0.304040260	-0.450005430	0.79372768	-0.652227764	
## 27	0.044990954	-0.350460345	-0.026134423	-1.31581015	-0.510713260	

## 28	0.490667108	-0.072808492	1.863937714	0.44412006	0.294578776
## 29	0.612887329	-0.494235102	0.614859683	-0.92884266	1.594758599
## 30	0.786812363	0.752723547	-0.868946621	-0.45529211	0.350146822
## 31	0.169411335	0.920862349	0.299387125	-0.42031683	1.159946965
## 32	-0.913640265	-1.334367708	1.370473344	-0.37743326	-0.172125660
## 33	-1.835232381	0.758356203	-0.303803961	0.26896209	-1.604692275
## 34	-0.139447665	-2.083294605	-1.111084779	0.38611480	-1.352095572
## 35	1.346829949	-0.612464906	1.252683309	-1.27418822	0.875250670
## 36	-1.310668108	1.099862690	1.263155841	0.93524368	0.969488678
## 37	-0.229441436	1.371696351	-0.420503214	0.51743543	-2.194227750
## 38	-1.524443919	0.146638500	0.573521880	-0.01311187	0.910906357
## 39	0.014614830	0.804446166	-1.856299308	-1.45499155	1.603977222
## 40	0.317218184	0.747225784	0.658276913	0.31275267	0.618363376
## 41	-0.351977045	0.594159264	1.409152105	-0.19272619	-1.350548259
## 42	0.348616154	0.713690519	-0.037118443	-0.73204373	-0.957551978
## 43	1.448009105	0.639188266	-0.891939281	0.30100591	1.268957369
## 44	-0.584204756	-1.720996905	-1.017371739	0.02076205	0.188344265
## 45	-1.551438536	-0.017024101	0.799388356	2.06214114	-0.882483843
## 46	1.286493277	2.091233423	-0.623998403	1.40836929	-0.426603440
## 47	-1.962720034	-1.362565295	-0.548767980	0.48400430	0.392165471
## 48	-0.570035004	2.353981490	-0.926805361	1.36483754	2.349301897
## 49	0.686222938	1.184345826	1.873844401	1.43320124	-1.337992999
## 50	1.195820509	0.468685179	-0.855777131	0.40412013	0.816258694
## 51	-0.056930388	-0.134127525	-0.470748937	-0.47927637	-0.430270415
## 52	0.113391180	-0.316774797	0.455733231	0.70702903	-0.603704418
## 53	-0.167009472	-0.789705085	-0.866993622	1.02764102	-1.058168471
## 54	0.436115618	-1.245340612	-0.437687742	-0.84528084	0.234875439
## 55	-0.426795994	-0.633184023	-0.068854890	-0.08229140	0.960567606
## 56	-0.028879760	-0.596041191	-0.274041066	0.10911845	-0.203609842
## 57	1.037765517	-0.690196406	-1.831902886	0.23983275	-2.133990435
## 58	0.274593624	-1.690613842	1.777077125	-0.71743962	-0.147393819
## 59	0.093201059	0.934078564	-0.360896282	-0.70474463	-0.689534651
## 60	-0.315771859	1.126109389	1.018192705	-0.36889197	1.232797851
## 61	-0.400267217	0.293895532	-1.128217326	1.34861265	-0.647887683
## 62	-1.923973404	0.771107265	0.146477992	-0.06070127	2.494282534
## 63	0.001768088	0.449219551	1.821049292	-0.23685673	-1.476411311
## 64	-0.342196956	2.509426418	-0.835310869	0.30838075	-0.406666647
## 65	-2.122743191	0.244160233	1.561356557	0.34518560	0.278215812
## 66	0.572983754	0.694097442	1.899474259	-0.59419257	1.022217307
## 67	-1.595078034	0.399944812	1.027837076	0.75498053	-1.888299967
## 68	-1.932296826	0.255054892	0.689689314	-0.30660849	-0.093523131
## 69	-0.317466789	-0.164495356	-1.362065426	-0.15606278	-0.160658156
## 70	2.021534922	0.669827972	0.368041332	-0.69033160	-0.585378907
## 71	0.243900525	0.997420543	1.490406697	0.48133706	-1.253941996
## 72	-0.259387648	-1.262422502	-0.727746865	-2.97379628	-1.138004506
## 73	-1.353340934	0.466778094	0.003985376	1.00798347	0.519260270
## 74	0.582713408	-2.509051461	-0.622948980	0.21489859	-1.928764488
## 75	-2.162011335	-0.207070619	0.260191994	0.98013693	-0.595415178
## 76	0.300791835	-0.516902640	-0.728508695	0.42395151	0.824343999
## 77	0.180029611	0.453235339	0.353722568	-0.31114940	0.506236626
## 78	-0.049435662	1.231209013	-0.926483026	0.19458056	-0.663343870
## 79	-0.986447331	-2.370057827	0.465012173	0.44831546	-1.584681195
## 80	-0.605226838	-0.372721616	0.377886736	0.14608123	0.086728355
## 81	-1.059631568	1.433660587	-0.490134882	-1.63627891	-1.026809573

## 82	0.609062880	-0.421655229	-0.130420185	0.65319806	1.686319611
## 83	-0.039669817	-0.576853131	0.199218604	-0.89601488	0.329356032
## 84	1.549692899	-0.010933565	-0.404739002	-0.27193519	0.105740578
## 85	-0.697129294	0.441137886	-0.450213478	-1.30498783	0.584717609
## 86	0.994610854	-0.965188132	0.809339737	-2.07957731	0.513960257
## 87	-0.848836206	-0.099336321	0.953074703	1.31030792	-0.105416818
## 88	1.190036076	-1.289803576	-0.098855628	0.85862514	-1.751084694
## 89	-0.981854678	0.788412413	-1.339348899	-0.36690922	2.562619014
## 90	-0.603083371	0.078837260	0.249054506	0.32177872	0.738009357
## 91	-0.251087298	-0.165718293	-0.025588255	0.08944090	0.538088446
## 92	-0.582158658	0.370358971	-0.012585581	-0.07664254	-0.922346392
## 93	-0.781589362	1.211660300	-0.341201957	1.02095539	-0.465820505
## 94	0.642673403	-1.165186989	0.007428486	1.90189845	1.576124211
## 95	0.862526003	0.944435128	-2.305472115	1.21785537	-0.422029407
## 96	-0.445120442	1.225937915	-1.094269609	-1.06533732	0.130415434
## 97	0.014073434	1.689151495	0.170278493	0.48951982	-0.738186509
## 98	1.489963497	-1.239370355	-0.537606991	-0.23483692	1.002295403
## 99	-0.255487886	0.141655372	-0.663653028	-2.63487729	-1.245427186
## 100	0.030850352	-0.780224303	0.533295627	1.10416160	0.192417926
## 101	0.493978733	0.591856956	-0.302460807	0.22054627	1.179642647
## 102	1.320531719	-0.545406698	-0.164394491	0.48333330	-0.096542114
## 103	0.322170302	-0.665361085	-0.419771895	-0.45332381	-0.804146028
## 104	-0.915403760	-0.321133852	-0.145959573	-0.68227347	-0.220725645
## 105	0.116102869	1.407868090	0.026413770	1.82298640	1.751041023
## 106	-1.061187503	-0.133062682	0.577740209	1.34492624	0.460802933
## 107	-0.753096856	0.101737129	-1.306287709	0.60064894	-0.302608638
## 108	-1.556133693	-1.030635137	2.263403868	1.67346354	-0.923211848
## 109	-1.315493445	1.042949628	1.027839495	-0.02052301	0.322085389
## 110	-0.399948246	-0.986323021	-1.038568868	-0.03971608	0.607365977
## 111	0.376342537	-0.219197189	0.678681573	0.28816642	-1.005164567
## 112	2.538993986	0.957670089	0.130397074	0.81354684	-0.592496322
## 113	-1.071392677	-0.555075287	0.534422555	1.28354717	-0.395400904
## 114	0.506461764	2.030881886	-0.989395807	1.58942713	1.368937962
## 115	-0.971922699	0.370740790	-0.322748355	0.65954641	-0.247807747
## 116	-1.306150575	1.510075265	-0.939242275	1.35605563	1.646388904
## 117	-1.440110906	0.679596443	-0.066216946	0.70920915	-0.409324544
## 118	0.071807412	0.805079386	-0.231037728	0.56367925	-0.650997272
## 119	1.460771472	0.285477779	-0.244231033	0.45945588	-0.040516034
## 120	-0.933239193	0.024985717	-0.112359744	0.11453262	0.529574789
## 121	0.431914698	-0.310024949	2.039753919	-0.97396972	0.227210339
## 122	-0.815790877	0.985752088	0.020204148	-0.78758653	-0.212627366
## 123	-2.245760031	-0.423062328	0.486522688	-0.35111242	1.178020694
## 124	0.531504702	-1.057320846	1.873286388	0.67097840	0.084907404
## 125	-0.638421835	0.065996758	0.745551020	0.77844310	0.592506755
## 126	-0.767461676	-0.524445610	-0.637105910	1.19266206	-0.485224595
## 127	0.613696903	-1.036378631	-1.407844890	0.62610032	2.495579053
## 128	1.116597541	0.082313694	2.434919080	0.84845500	-0.002334836
## 129	-1.420366703	0.051376494	0.821947456	0.06113108	0.960224272
## 130	0.247551679	-0.599291015	0.001638539	0.92382099	0.724563959
## 131	1.615513436	0.186598791	0.092416855	0.10587943	1.727329117
## 132	-0.657791330	0.149201357	-1.439920691	-0.65167260	-0.643427201
## 133	0.134798743	0.183048437	1.240800643	-0.70697354	0.122711326
## 134	-0.248260723	2.230981376	0.986667880	-1.77913483	1.299429814
## 135	-0.064932906	0.094272286	-2.400291498	-0.85038678	1.263655973


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## 136 1.031350408 1.249103886 -0.692448325 0.56655631 0.954900964
## 137 0.675240843 0.043935810 -0.578567640 -0.26936428 -0.298412782
## 138 -0.078089994 -0.006954223 0.812947971 -0.15751891 -0.465519843
## 139 1.460214965 1.213185555 -0.512979137 0.49318315 -0.313380600
## 140 -1.129248698 0.324937741 -1.099470872 0.61974379 0.362218876
## 141 0.447169692 -1.306262930 0.075951151 -0.98494761 -2.209936506
## 142 -1.045769001 0.848361826 -0.886340965 0.63344096 -0.428925843
## 143 -0.299596570 -1.080250208 -0.289541836 1.22917542 -0.186347231
## 144 0.332081902 0.450323322 0.882794624 -0.86650493 -0.650781462
## 145 -0.356183554 1.460045760 -1.119704944 -1.15139923 0.862338381
## 146 -0.145151127 1.244341991 -0.526424874 0.06397421 0.709967603
## 147 1.766562872 1.529568989 0.728896808 0.22981713 -0.944252139
## 148 -1.311415851 -0.942856422 -1.620178746 1.66870269 0.274907824
## 149 0.133596788 1.821017029 -1.652773736 1.16872532 3.717342916
## 150 -0.085855624 0.014387956 -0.396160189 0.76154653 -0.777121356
## 151 0.086702881 1.061960191 -1.049388375 -0.75882264 0.437220287
## 152 -1.209550169 1.501941463 -2.261630300 0.24919859 0.184640507
## 153 -1.069172049 -0.527469513 0.485190264 -2.16446716 0.280766680
## 154 -0.335506671 -0.841452716 0.350951247 0.34957439 -1.018991276
## 155 -0.059404542 0.199789400 -0.592316427 -0.94516123 -1.519349330
## 156 -0.116407008 0.630143475 -0.876925646 0.95773759 -1.129739985
## 157 0.626295163 0.410896140 0.079974161 0.89837918 -1.109005061
## 158 0.287526668 -0.836879977 1.667276334 -2.04208291 0.214859483
## 159 0.241761857 -1.001484004 0.421079597 0.90405516 0.016696508
## 160 0.491801616 -0.345900100 -0.820420188 0.75364101 -0.470001134
## 161 -0.091991508 -0.756085646 0.161115990 -0.13490277 -0.014147634
## 162 -1.134704695 -0.386969893 0.453789334 -1.46175720 0.122295172
## 163 0.666474523 0.041994460 0.274448438 -0.33600626 -1.191474501
## 164 -0.097640889 0.001750159 0.547111096 -0.17846138 0.703658402
## 165 0.384714959 -0.243691487 0.426260353 0.98537158 -1.129680402
## 166 1.598718083 -0.430059999 0.549282073 0.12936946 0.454215765
## 167 -0.038759242 0.523133627 -0.224132468 -1.16781302 -0.288359309
## 168 -0.429908266 -0.436579794 0.687203024 -0.05658459 -0.737883362
## 169 -0.858353737 -0.490105023 0.415517346 -0.48073315 0.157552935
## 170 -0.727748514 -0.416629958 -0.470494001 -0.41696225 -0.054425740
## 171 1.742336880 -0.956943952 -1.030416943 0.30555814 0.352929843
## 172 -0.583410266 -0.039910719 -1.047820075 -1.64006618 1.819291142
## 173 -1.038726355 -0.586205718 0.602723688 0.18010482 -0.921781444
## 174 -0.068103130 0.411875543 0.890116762 -0.59698511 -0.469315592
## 175 -0.652730459 0.527249407 0.223209156 -1.09939461 1.091607050
## 176 -1.471412793 1.636161771 -1.108113986 0.14631875 -1.107296379
## 177 0.160984321 -0.091541963 -2.481206090 1.23894296 -0.132492192
## 178 -0.610107653 0.007977943 0.503572185 2.41146548 -1.483144363
## 179 1.504658866 0.447988686 0.342785840 0.26595137 -1.889691513
## 180 -1.109914935 -1.122244938 -0.115429689 0.51051694 -0.997822872
## 181 -0.835508449 -1.195973754 0.452548635 0.95257764 1.142199579
## 182 1.747430733 1.187332451 1.263591626 0.11188367 -1.589778524
## 183 0.133222852 0.793669367 -2.334262667 0.26358503 -0.917319964
## 184 -0.886711321 -1.326949735 0.301923089 0.31043700 0.569155800
## 185 -0.757387141 -0.012282022 -0.411711273 0.82040386 -3.674754199
## 186 -1.448669622 -2.475413466 -0.208723061 -0.25407911 -1.005280174
## 187 -0.956294266 -0.566032238 0.618576423 -0.13771902 -0.383449999
## 188 -1.363334273 -2.039369206 -1.262666247 0.27023449 0.568751982
## 189 0.297204114 -0.036809817 1.374913244 1.26206740 0.327639093

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## 190	0.775005589	-0.534892163	-0.479345602	-0.54954915	0.078614050
## 191	1.979935014	1.188121809	0.407378093	2.34796322	-1.472629611
## 192	-0.548542804	-1.298621813	1.463848397	-0.35465888	-1.561560000
## 193	0.597671604	-0.484511067	-1.279201688	-0.55901698	0.104256338
## 194	-0.524826025	0.351401107	-0.156856282	0.33680805	-0.581876119
## 195	0.841928348	-0.362306700	-0.010945908	0.98300172	-1.498307565
## 196	-1.147333000	0.531138276	0.130923776	-0.30373930	0.190716604
## 197	0.933623169	-0.404728127	0.249020781	-1.76131025	0.403356397
## 198	1.202334581	0.189455479	0.673594064	0.98642929	1.261390168
## 199	0.298067606	-0.471349509	-0.276338396	-1.67244582	0.088580373
##	V130	V131	V132	V133	V134
## 1	-0.100506118	0.05881327	0.658110221	-1.954070414	-1.13228876
## 2	-0.547221053	-0.57786341	1.151465416	-0.229653483	0.80324326
## 3	-1.835222151	-0.51302782	0.628164935	-0.176790555	-2.15577198
## 4	0.171003926	0.07655199	-0.004788876	-1.290872365	0.08286266
## 5	0.234768215	1.49060233	-1.401239035	1.155732613	-1.85023373
## 6	0.557637561	-0.65325673	-0.511581306	0.174687403	-1.22205881
## 7	0.781695628	-1.77400944	-0.672961896	0.031356019	0.13462418
## 8	0.511078577	-0.60498774	-0.756366878	-0.588266016	0.52052719
## 9	0.507174388	-0.19301251	0.238442569	-0.796217694	0.56918890
## 10	-0.177161101	-1.47645938	-1.545157591	0.501385537	-0.99648284
## 11	0.935488070	0.76431839	-0.310917854	-1.322904641	0.95917055
## 12	-0.934629885	-0.34545453	-0.650235114	-0.182873289	0.13141774
## 13	-0.908968171	0.48373809	-0.297637812	-0.526091673	1.12248198
## 14	0.125089243	0.05876794	1.554007975	0.982336101	-0.35934851
## 15	-0.992632763	1.32597937	0.574999512	-0.268399653	-1.50605266
## 16	0.851314169	0.87980941	-0.027500078	-0.966106943	0.18069285
## 17	0.364767121	1.04515834	-1.733015389	0.091613783	-0.83742380
## 18	0.144873541	1.25502767	-0.178926558	-0.161228725	-0.79958531
## 19	-0.449517338	1.06656457	-0.651646760	0.908734672	-0.63331873
## 20	2.100956350	-0.04849871	-0.002030179	0.573739888	2.48179630
## 21	-0.799611471	1.21616105	-0.395259837	1.973311053	-0.49555953
## 22	-0.866130431	0.26738184	1.982646618	-1.695806832	-0.07494698
## 23	-0.733206366	-0.53076104	-0.710670477	0.255831407	0.36256099
## 24	0.075270038	-0.01445984	-0.928158331	-0.696170736	1.94671331
## 25	1.285568166	-0.29046585	0.564542841	0.358069689	0.50387139
## 26	-0.246523880	-1.38104189	-0.604337512	-1.432335319	-0.19949663
## 27	0.173406177	-0.31231379	-0.522561726	0.476696519	0.81854132
## 28	-0.039415050	0.03537372	-0.572436935	0.551096906	0.38662604
## 29	-0.518992116	-0.03928574	-0.670472401	-1.041918472	0.47754743
## 30	-0.180177178	-2.03310769	-0.075094971	0.437948715	0.65047594
## 31	1.315066830	-1.25099319	-0.189654011	-1.445248921	-1.50895431
## 32	0.482706481	1.45112166	1.287596489	2.060755790	-0.25405546
## 33	1.071175187	1.08648690	-1.412233615	-1.354600163	0.98643433
## 34	-0.049360940	-0.01309603	0.836094400	-1.374922999	-0.08707400
## 35	0.101471216	1.27707237	-0.873351692	-1.041378519	0.67445270
## 36	1.481661789	1.54905093	1.832866683	-1.734537195	-0.82473513
## 37	0.180032872	0.47540045	-1.046542483	-0.947662571	1.84858031
## 38	-1.540678528	-0.26131993	-1.018192514	0.758357073	-2.55771387
## 39	1.150718671	0.56982610	-0.314220601	-0.838754640	-0.25942971
## 40	-0.533552215	0.25149521	0.373829606	0.385046879	-1.03358742
## 41	0.190374041	0.60731646	2.789023567	0.218346001	0.71616095
## 42	0.260089808	-0.08251772	-1.670826058	-0.209062019	-0.93731454
## 43	-0.928049874	0.29619927	0.582163579	-0.641516407	-1.32868454

```

## 44 -2.307991036 0.18482552 -1.062810583 -0.865226234 0.03860172
## 45 -1.854342313 0.11266267 -1.460644741 -0.373287961 0.42240223
## 46 0.579047482 -0.08353274 -1.557493059 -1.532839844 -1.04816755
## 47 -0.328125389 0.83683352 0.378368986 -0.526185072 0.40124734
## 48 -0.312196921 0.55907906 -0.207951010 0.607178408 0.14170996
## 49 -0.454895309 -0.85538471 -2.889304611 0.219766184 2.32575057
## 50 -0.300720070 0.76912346 0.923228611 0.148168401 2.25168124
## 51 -1.203237191 -0.65991999 1.483351308 2.313485672 0.31905592
## 52 1.409926845 -1.58189351 1.921199036 -0.546151766 -0.92707870
## 53 1.307933471 -0.10649914 -1.047699175 0.325835118 1.86464680
## 54 0.209969033 -0.48947491 -0.058014661 1.155791577 -1.06195925
## 55 -0.645531334 -0.65761358 0.112226945 1.674638830 0.37033910
## 56 -2.481627465 -0.46634587 0.039073617 -0.967130937 -0.38846990
## 57 0.285734504 -0.75565275 -1.039392970 -0.017078556 -1.43310757
## 58 -0.913244303 0.69635779 1.305087058 0.503686587 -0.11511237
## 59 -0.837436740 -0.43934838 -0.089084058 -0.937357063 0.30323757
## 60 -0.592858676 1.65411717 -0.457242081 0.963292899 1.60210383
## 61 1.722152012 0.71705349 0.328976147 1.260710285 -0.90095737
## 62 -0.728575475 -0.22921068 1.059347873 0.079181888 -1.13675412
## 63 2.432794560 -0.21979151 0.281558744 -2.091132653 0.80625100
## 64 0.722986858 -0.64478859 -2.395685929 -0.608919886 -0.09166846
## 65 -1.157294482 0.45371602 0.420487368 -0.822681843 -0.94414255
## 66 -0.196964664 -1.68734673 1.579565939 0.331697743 0.77973956
## 67 0.223780935 -0.05919704 0.294668891 3.295079369 0.92136162
## 68 -0.048559799 -1.14014724 -0.202383669 1.561299351 1.93988134
## 69 -1.269356364 0.69372741 0.923665435 -0.313931006 2.00194828
## 70 -1.083805364 1.08150127 0.275752471 1.092433644 1.11866979
## 71 -1.707188864 -0.49275719 -1.584488871 1.339074958 -0.19118486
## 72 0.301455734 0.19652632 -0.507332174 -0.938999100 0.35813634
## 73 -1.729363139 -1.81549538 -0.662883984 -1.406775111 -1.52591531
## 74 -1.992645214 1.43530375 1.924783812 0.015520593 -0.32951173
## 75 -0.301648670 -1.03004000 1.957089259 0.006612780 0.66002886
## 76 -0.156748355 -0.89376722 0.090046023 0.393357884 -0.03130568
## 77 0.703728261 -1.25873114 -0.399725030 0.725027576 0.45052906
## 78 -0.797849792 -0.01150521 1.084977298 -0.229340275 -0.47557278
## 79 1.305298452 -0.26812192 -0.505970632 0.004412062 0.74137974
## 80 0.986756967 -1.96091249 -0.713839515 0.367946119 -1.56525632
## 81 0.133291262 -1.14355565 1.330460582 -0.397535480 -0.44699538
## 82 -0.593152784 1.29537929 0.347960056 0.693934237 -0.22772557
## 83 -1.479679662 0.42757466 -1.301215602 -0.513417913 -0.26582616
## 84 0.535352155 1.74568569 0.902513630 -0.719328898 0.85853449
## 85 0.334665240 1.44449727 1.504936239 -1.006218641 -0.28384452
## 86 -1.639649692 -0.26830503 0.703079284 0.254565317 -0.18606445
## 87 -0.219298282 -0.87938742 1.114161904 -0.192505669 0.19662602
## 88 0.131717204 -0.39939485 0.789750941 0.866862016 -1.68658979
## 89 1.525163603 0.39729928 -1.437188710 -0.762549454 -0.22653138
## 90 -0.181039556 -0.94732886 -0.209587908 -0.732898414 -1.47960162
## 91 2.025204732 -1.86345032 0.914383272 0.305862064 0.17067796
## 92 -0.157566990 0.24568101 0.698074828 2.713645315 0.63144627
## 93 -1.107397161 0.04258041 0.329267197 -2.070466310 -0.08746605
## 94 -0.028265108 -0.14982651 0.512998975 -1.028792662 -0.09992776
## 95 -0.005327156 0.07543679 1.470497698 0.268546108 0.23581030
## 96 0.570192255 0.88409366 -0.299957777 -1.241106052 -0.84942968
## 97 -0.199927879 -1.18439619 0.185245649 0.414847840 0.01609105

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## 98 1.105656823 -0.59649826 -0.376071673 -1.401083646 -0.15907443
## 99 -0.749823276 -0.25210748 -1.336307461 -0.016890491 0.25703884
## 100 1.157936334 -0.44576261 -0.598903734 0.199485687 -0.15172606
## 101 1.150598745 -0.47737004 0.646780632 -1.459600126 -2.54366931
## 102 -0.426202916 -0.87464418 -1.067366731 -0.009035628 -0.14778454
## 103 -0.899211713 0.15674603 -0.194219580 0.753648810 -0.79215524
## 104 -1.693316240 0.25896166 1.092593239 0.295849246 0.21126186
## 105 1.747445684 0.85877253 -0.565139314 -2.333715659 0.29060439
## 106 -1.435446383 -0.08861683 0.200328232 0.754842040 1.16759093
## 107 0.792613694 0.27268236 -1.178652015 -0.680352047 -0.81609790
## 108 0.130369920 -0.49696705 -0.371789018 0.816340826 0.32986094
## 109 1.370392365 -0.39997282 0.447442705 0.189725592 0.56394589
## 110 -0.032408795 1.04304611 0.779689823 0.766083664 -0.30452822
## 111 -0.241393663 -0.65550094 1.873529024 0.227840520 0.12415520
## 112 0.588810744 -0.26245487 -1.186661590 -1.296309877 1.05701185
## 113 0.946983286 0.14382247 0.409818227 1.621451934 0.08915578
## 114 1.054619860 -0.45914970 2.043443664 0.801658318 0.05182930
## 115 0.680628298 -0.82303564 0.884953845 -0.827194059 -1.58736629
## 116 -0.635593500 0.66792972 -0.920529085 0.990208495 -1.19835449
## 117 1.043325455 -0.49122156 -1.444470749 0.897797908 0.51009199
## 118 0.879053109 1.18493080 1.185171580 0.186075197 0.27507450
## 119 -1.282338863 -1.01607527 -1.684686592 -0.740749563 -0.31443001
## 120 0.111565893 -1.44084664 1.026377779 0.735567254 -1.01696761
## 121 -0.585714913 1.03949607 1.379630478 0.603028788 0.84493628
## 122 -0.011394396 -1.35515193 0.879449283 0.172555522 -0.73389628
## 123 -1.720462827 0.61351415 0.705130686 1.689361242 1.01255314
## 124 -0.775583754 -0.08963527 2.248468262 0.701714927 0.39620062
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## 126 2.862730530 0.55887007 0.357638201 1.116895146 -0.78769941
## 127 0.798417698 -1.92921309 -0.425626508 0.228921487 0.55461891
## 128 0.536089656 -0.80432563 -0.564729684 -0.480899446 -0.44954435
## 129 -0.352008103 -0.13232547 -0.542758316 -1.834636220 0.28935485
## 130 -0.542500060 1.75593270 -1.281157362 -2.210569193 -0.54435440
## 131 0.317405922 1.27260210 -1.531655536 0.439861095 0.35437120
## 132 0.572220652 -0.49470930 -0.152921195 -0.872279287 1.50885881
## 133 1.023019108 -1.16612821 0.925242747 0.176223702 -1.06261508
## 134 -1.290597740 0.21962495 0.098558665 -1.522971846 -0.44343340
## 135 -1.706734791 -0.18737785 1.610954922 -0.586931203 -0.63899804
## 136 0.299605393 -1.63531447 0.057026019 -0.354590374 -0.12788530
## 137 1.701154989 -0.10411601 -0.634163966 -0.574438913 -0.02432071
## 138 0.045926496 0.19723366 -1.007842453 -0.121076023 -0.80926686
## 139 0.054029138 -0.37327903 -0.938340053 -0.697803557 -0.01176749
## 140 -0.036789010 1.00410716 -1.242643792 0.911419190 0.44146921
## 141 0.134891608 -1.30041645 -0.739335049 0.916805421 -1.08105242
## 142 -0.476785209 -1.52827033 0.959999013 0.555225239 0.27117658
## 143 -0.009172858 1.81782991 -1.476729021 -0.237006169 -0.68281458
## 144 -0.188818817 -0.71891193 0.491290914 0.684322652 1.16537822
## 145 0.124417063 0.27049587 0.944567260 0.282663411 -0.71038784
## 146 -0.106385280 -0.42033398 -1.170639776 0.689530897 -0.42489377
## 147 0.372239709 -0.38627170 -1.040681970 -1.262598681 -0.29907482
## 148 -1.020669974 0.28578439 0.622610482 0.175086539 0.56592490
## 149 -0.009350824 -0.78552219 0.091635160 -1.050027952 0.88631888
## 150 -0.065319458 0.46774454 1.219425923 1.809517238 -0.50152383
## 151 -1.055782662 2.15627955 1.752598338 -1.538409553 0.57804114

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## 152 0.953713647 0.31631332 -2.556548451 0.636852609 -0.71285669
## 153 0.978153143 -0.55309086 1.922770861 -1.093006124 -0.90712117
## 154 0.185739580 -1.48406630 -1.389942172 -2.013665576 0.69882993
## 155 2.117839218 0.12902112 -0.348269269 -1.040495248 -0.59396657
## 156 -0.942565146 1.00960126 -0.410148472 0.522253815 -0.60817011
## 157 -0.668765529 -0.81411674 0.486002066 0.999680511 -0.61483411
## 158 -0.736833794 -1.28499763 0.721658188 2.410322194 1.69214550
## 159 0.387922186 -0.77638823 -0.211928049 -0.568953646 0.43963539
## 160 0.471927376 0.98434576 1.156451904 0.899591166 1.78202285
## 161 -0.202298207 1.90823689 0.462908316 -0.031299792 -0.16114607
## 162 -0.128350128 1.25812752 2.197756950 -1.799353969 0.99944294
## 163 1.784464409 -0.06614529 0.830778283 0.117243588 -0.92796250
## 164 -0.616173119 -0.46105305 -0.807661703 -1.059852314 1.85270635
## 165 1.833001688 0.73530694 1.430112871 -0.514994896 1.02152132
## 166 1.210643422 -0.22480052 -1.519885953 0.927865333 -0.21298778
## 167 0.263183235 -0.40327330 -1.174531355 -0.719411159 -0.36872523
## 168 1.129653468 -0.30949992 -1.009011154 -0.797644160 0.84046926
## 169 0.694113007 0.39267364 0.071510600 -0.198404715 -1.62631448
## 170 -1.339561435 -0.67150699 -0.745218129 1.648747162 -0.40863320
## 171 -1.345786093 2.23769768 1.282574565 0.192593888 1.31089139
## 172 -0.033463734 0.08141256 -0.224956803 -1.274806100 1.60541565
## 173 0.003129107 1.20922437 -0.530713802 0.373931221 1.36389931
## 174 1.151288437 -0.65586018 1.034837592 0.168179553 -0.37929982
## 175 1.549375371 -0.13144319 0.600044578 0.269501031 1.22153555
## 176 1.471318058 -0.99447551 -1.207577204 -0.504886287 0.30497435
## 177 -0.327065204 1.77972554 1.266557651 0.352908948 -0.38116907
## 178 0.460299114 0.01518486 -0.819486638 -0.013675706 1.68500211
## 179 1.030088614 0.44980987 -0.393375441 -0.018664976 -0.20086125
## 180 0.992484048 0.54696204 1.513501733 -1.285160989 1.52933493
## 181 0.929897088 -0.66319657 -1.255312050 0.317969714 0.97061898
## 182 0.968924476 1.16434369 1.496673661 -0.154230326 1.90370642
## 183 -0.158889689 -0.16438590 -0.030675228 -0.743391428 -1.17667690
## 184 -0.612397348 0.75814998 2.006843968 -0.716489261 -1.37876636
## 185 -0.146270857 -1.16571320 -0.834872233 1.003794702 -2.28849237
## 186 0.066934420 -1.11565262 0.271182850 0.433327932 -0.97186527
## 187 -1.023819701 0.24224727 1.476760325 0.369016741 -0.87006027
## 188 -0.008667930 0.28262118 0.359018463 1.114686184 -0.45593475
## 189 -0.142650438 0.08310233 0.882641678 -1.060583938 -0.33675398
## 190 1.805934991 0.28643578 -0.458710867 1.193943107 -0.12754939
## 191 0.408866799 0.44894993 0.919911686 1.434440584 0.97900840
## 192 0.414657952 0.04284072 -0.977709775 1.426622007 0.25167169
## 193 -0.389717419 -0.10286406 0.756100742 0.177569565 -0.53020621
## 194 -0.434076076 0.93354501 -0.385075532 -2.398952522 1.14710247
## 195 0.475541291 -0.38011767 -1.252769766 -1.239957005 -0.19849292
## 196 -1.937743678 -0.89159117 -1.212867714 0.037216839 -0.23216044
## 197 -0.158616546 -0.38998125 0.726351983 -0.388837677 0.11645182
## 198 -0.761067907 0.84979057 -0.551503929 1.010346379 -1.01327276
## 199 -0.510516002 -0.02348732 0.581967546 -1.080246309 -0.37476281
##          V135          V136          V137          V138          V139
## 1 -1.8858207946 -0.72495004 -1.130365697 -0.815543110 -0.81295088
## 2 0.0010216172 0.33003869 -1.295320150 0.212261650 -0.99467433
## 3 0.7938174809 1.64781999 -0.162668212 0.127094412 -0.18129629
## 4 0.2793510816 0.35388534 -1.081769421 1.897299710 0.12537026
## 5 -0.7268511845 0.94173405 -2.467683851 -1.421046367 0.36402275

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## 6	0.9484832107	0.18880097	-0.746620405	0.391500651	-1.99618385
## 7	-1.6403563666	-0.22524301	-1.181035780	0.779496133	0.71393809
## 8	-0.6092609908	0.36139132	-0.409466261	1.532176777	-1.84142521
## 9	-0.7682793163	0.05290998	0.679917988	-0.645516478	0.06231809
## 10	0.3649669377	-0.54109447	1.514209313	-0.622108272	0.29636121
## 11	-1.7335475743	-1.26018705	1.010423336	-0.846436517	-1.81246405
## 12	-1.1795788661	-1.74931234	-0.072267089	0.840664623	1.72106030
## 13	1.2762247070	-2.29182552	1.359443686	0.907177228	-1.66477223
## 14	-1.2183839568	0.01070208	0.653732975	-0.857325818	0.40931475
## 15	-0.3043257314	0.12013479	-0.036348837	-0.800670315	0.93175771
## 16	-0.2139001345	0.52941878	0.774114710	-2.244241739	-0.50486508
## 17	-0.6235153431	-0.18749859	0.196019072	1.274916853	0.33961499
## 18	1.4348755936	0.21219545	-0.851649455	1.103833099	1.03580653
## 19	0.3582675738	-2.89080220	-0.213470054	-0.310393261	0.76196648
## 20	0.1629892454	0.38333081	0.822084732	0.844094064	-1.50355620
## 21	0.8087532008	0.80186052	1.405601809	-0.773338720	1.53150325
## 22	0.5638736069	0.95759186	1.206290199	1.115114937	-0.17451961
## 23	-0.9761931227	-0.55580885	-0.826637944	-0.185894579	0.27564712
## 24	0.1986391836	1.41742742	0.623898278	-1.859241960	1.43210711
## 25	0.9163446698	-0.61810350	2.239958469	3.567004663	0.69202039
## 26	-0.0413317991	-1.37916638	-0.399010496	-0.111638228	0.68525092
## 27	0.8733947305	0.69738498	-0.429363427	0.775829665	1.02544827
## 28	-0.0787170341	0.45309535	0.501223871	0.043844698	-1.34374478
## 29	-1.0282336169	0.83917789	-0.274180852	1.112932427	-1.20045784
## 30	-0.1809179658	-1.04860392	0.540864205	0.843711231	0.25178742
## 31	1.4634280565	-0.52302011	-0.762600808	-0.325908681	0.43158813
## 32	-0.0009679307	-1.20269459	-0.008811123	0.304580811	-0.62970734
## 33	0.4547702143	0.34203433	-0.660433240	0.500335106	0.20233050
## 34	-0.3958724121	-0.41982414	0.715533099	-1.746084613	-0.86450670
## 35	-0.1069182501	-1.24280452	0.266502072	-0.466912261	-2.26136565
## 36	-1.1402832703	-0.62472722	-2.558788851	-0.821197910	0.47721600
## 37	-1.3470095933	0.46307843	-0.833160035	0.901173060	0.07643046
## 38	-0.0899878253	0.35820974	0.782986317	1.220970831	1.38681840
## 39	-0.1895689309	0.03515830	-0.288158812	2.033751901	-0.77186151
## 40	-0.6456786545	-0.36563496	-0.452282317	-2.005886784	0.04120158
## 41	1.8711861698	0.70947015	-0.477586887	0.231206757	-1.06449104
## 42	1.2617822935	-0.05046419	0.245387241	1.841183530	0.64519061
## 43	-0.5314933900	1.75885925	-0.152560324	1.321649617	-0.33528264
## 44	-0.6870226770	-0.39672419	-0.474849254	0.133601866	-0.46957619
## 45	1.4476220282	-0.05495523	1.147345102	-0.225160230	0.01761503
## 46	-0.6953206636	1.80220461	0.224880235	1.113742690	0.54376060
## 47	0.5040836879	0.26802917	-1.225331237	-0.940035754	0.48633919
## 48	-2.3011547329	0.66918236	-0.765771961	0.741999825	-1.20397961
## 49	0.6903535813	-1.71122230	-1.111369414	-0.625565062	1.09352588
## 50	-0.9231113504	1.58389135	0.505011751	-2.727541504	1.67220647
## 51	-1.0503058388	0.79591438	0.165151644	0.086964928	-1.29460548
## 52	0.6612116858	0.23610526	-1.460852739	-0.612805991	0.21660252
## 53	0.8230739256	0.57349328	1.086782185	1.790098617	1.14927270
## 54	0.6664259519	1.44236899	0.914591062	1.004575735	-0.21852093
## 55	-0.7491519288	-0.10395624	-0.044896283	-0.256350049	-1.19000318
## 56	-0.0326059969	0.33476327	-0.077544960	-0.507848770	0.84603800
## 57	1.1540762544	-0.44846182	-0.173213045	-0.340835158	-0.10771665
## 58	0.2937768987	1.68287568	-1.133009846	-0.330269918	2.92083673
## 59	1.1133197764	0.74748626	-0.660185884	-0.026934228	0.38443540

## 60	-0.5366086914	0.43402740	-0.252703224	2.699173899	1.55435543
## 61	-0.9655966503	0.74288358	0.282375743	-0.199099539	1.77147224
## 62	0.4974985927	1.08553576	0.099524121	1.375051766	0.03658828
## 63	1.7597886786	0.45517168	-0.326529888	-0.697994886	1.26573051
## 64	-1.1740447987	-0.41380071	-0.571317260	-2.296399630	-1.94002061
## 65	2.3656288292	-0.28644591	0.554192368	0.082058161	0.39174357
## 66	1.5939769621	0.22477171	-2.386594784	-0.570455070	-1.19865958
## 67	1.2401097418	-0.13338525	0.149279229	1.297213428	1.36333114
## 68	0.4540774215	-0.07506482	-0.683047345	0.094069345	0.86786304
## 69	-1.1416255991	1.43566873	0.611253480	0.629648197	-0.20862291
## 70	-1.0804236561	0.37116818	-1.812680965	-1.387510742	1.08499376
## 71	0.1191513990	-0.49241317	0.894252050	-0.204745937	2.46918910
## 72	-0.5503781257	1.08234884	-0.453830721	0.044377316	0.76758840
## 73	-0.6545157798	-0.40342912	1.187531276	-0.099769784	1.55511368
## 74	-1.2601469127	-1.08581734	-1.143761564	-0.318298198	-1.27525292
## 75	-0.7412719285	-0.25959435	1.427578730	-0.716568180	1.34617254
## 76	-1.3561905300	1.10789236	0.984663265	-0.192984053	-0.24929702
## 77	0.2712757177	-0.74685428	-1.031128567	-0.020457710	0.10710797
## 78	-0.4127628972	-0.56800299	1.184484005	-1.000122264	-0.57940817
## 79	-1.3503136006	1.09598149	2.595773701	0.474641769	-0.05020067
## 80	-2.1716802996	1.35504021	0.540887403	-0.713413317	-0.87038847
## 81	1.0861419367	1.14961894	0.045785460	-0.798522520	-0.12215388
## 82	1.1280407641	1.20262644	0.961236380	1.090515434	2.18687919
## 83	0.4789895323	-0.23616511	0.391544594	-0.541792771	-0.84086410
## 84	-0.2141654711	-0.18955465	0.264276142	-0.493184167	0.46124749
## 85	1.7063658078	-2.84475269	1.800739849	0.640064130	0.31604063
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## 87	-1.2646993407	0.84950893	-0.907375844	0.117764153	-0.59316352
## 88	1.9431093984	1.40424504	-0.113748678	0.909727116	-0.57131502
## 89	-0.7629595512	-0.74856095	1.456792220	0.731960269	0.29279033
## 90	0.2433641623	0.98109881	1.696799091	0.773095380	-0.24442086
## 91	-0.9682909051	0.44626221	0.241974251	1.237731978	-0.60180418
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## 93	0.5031572213	0.49399085	0.479243406	1.543028830	1.30703861
## 94	-1.1597124071	-1.95538168	-0.003923181	0.075916146	-0.12758987
## 95	-1.1039212393	-0.83637593	-0.356370755	0.244636319	-1.62047386
## 96	0.7142534499	0.69524710	-0.592524874	-1.065651279	-1.64651158
## 97	-1.3483633396	0.82743759	0.052318856	1.683326665	-1.72839372
## 98	0.2556994673	0.32478094	0.265950297	-1.152912049	0.63017756
## 99	0.5519281502	-0.21802684	0.307615579	0.313209844	-0.24405495
## 100	-1.4567098046	0.57779327	0.063555750	-0.602581022	-0.15836307
## 101	0.1128186717	-2.02240987	2.750340139	1.072192668	-1.24518896
## 102	-0.3742588409	1.57043602	0.906915146	-0.273412229	-0.44577410
## 103	-0.6018222611	0.46456722	0.360727170	-1.260970132	-1.91008080
## 104	0.1497912423	1.48653858	-0.458153148	-0.117132972	-1.04201181
## 105	-0.0282624043	1.09420290	0.473978871	-0.009513546	-0.31356665
## 106	-0.8418565658	-0.29689233	-0.788138505	1.694686262	0.74830157
## 107	-0.4782011013	1.24261527	-0.824524068	0.836492842	-0.80918902
## 108	-0.8102919029	-0.31866352	0.231389185	0.491591931	-1.29794605
## 109	-0.2104793546	0.02215029	0.238358313	-0.554592901	-1.27243826
## 110	-0.5368981081	0.27793514	-2.183812920	-0.999839643	0.69717375
## 111	-0.1802321203	1.29503125	1.351742500	-0.254141829	0.50492334
## 112	-0.0433607979	0.95072258	-0.009021903	-1.154690456	-1.62218754
## 113	0.7093126883	2.01248179	2.055337542	0.515647325	-0.52662567

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## 114 1.1209541820 0.97926177 0.631037148 -1.065603964 0.25181410
## 115 0.4522813951 0.23227757 0.626201520 -0.893058782 0.51233201
## 116 0.3318606594 0.75981312 1.104868434 1.739218190 0.48062068
## 117 -1.9439153226 0.03813485 1.176418018 1.532587577 0.31392381
## 118 -0.6957964990 -0.70422925 0.164201300 -1.835024535 -0.08304947
## 119 1.5990412725 0.10077609 0.062756320 1.671891011 -0.19600043
## 120 -0.0063348792 -1.73060811 1.079923530 1.667040483 0.84481029
## 121 -0.8389995309 -2.21558965 -0.842965577 -1.530729899 0.21739660
## 122 -0.9668332362 -0.19588646 0.256200928 0.743980334 0.17831751
## 123 -0.3817353945 -0.53510485 -1.443074558 -0.699855435 -0.46456801
## 124 1.4417901371 -1.09462065 0.699550149 -1.504173674 -0.10949061
## 125 -0.0591445490 -0.72045050 0.502760088 0.323530815 0.12754017
## 126 -1.0040740515 0.27155778 0.741212960 0.518334353 -1.25324852
## 127 1.4725010248 0.16169053 0.285243031 0.816795884 -0.26741831
## 128 0.1736117496 0.60844070 0.664278897 1.883442928 0.58449169
## 129 0.5580584793 -0.35400812 -1.947103763 0.681070033 -0.27030911
## 130 0.9882205997 0.40246411 -0.402518309 0.568152885 0.22512017
## 131 0.3898994142 0.76485849 1.481310415 -1.674090374 -0.29105226
## 132 0.5363804051 -1.12854044 0.125239223 2.350567570 -1.25304905
## 133 -1.1805386347 0.53793434 -1.590477571 -1.973216932 0.28749969
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## 136 -0.1034437384 1.90888492 -1.242953935 -0.043220124 -0.02319854
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## 138 1.5367798496 -2.00935587 0.195675732 0.194206320 -1.76897891
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## 145 0.6119617259 0.46935543 -0.651718049 -0.069619883 1.08904970
## 146 -1.8685689845 1.31126210 0.418549992 0.023095623 0.52502018
## 147 0.7317674294 -1.67612487 0.479955341 -1.466641112 0.50496697
## 148 -0.7081545446 -0.88816460 -1.339548244 0.048333849 0.58286007
## 149 0.6237409807 -1.34812503 -0.304365613 -1.175296755 1.69106862
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## 151 1.3113168276 -0.66902545 -0.291595818 1.264675014 -0.35549520
## 152 -0.6787578982 -0.39807747 -0.204904842 -1.173408467 1.90221206
## 153 2.6096098390 -0.12706048 1.137088685 0.167778265 -2.18951580
## 154 0.1297906073 -2.32886171 -0.932649374 0.192805934 -0.53779490
## 155 -1.2910317847 1.29664641 -0.141659635 -0.761407949 0.45810697
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## 157 0.4453271998 0.50039596 -1.938802995 1.567520430 1.08866806
## 158 0.0767479285 -0.96121834 -1.535216196 -1.368957071 -1.64276869
## 159 -0.4811536169 0.18773811 -1.048349550 0.872267718 -2.55661390
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## 167 0.8951833703 -0.01205976 -0.830758724 0.350243665 1.04833456

```



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## 168 -0.5620679606 -0.50732720 -0.350839995 -0.935476764 -0.98646005
## 169 -1.0478391906 0.83710970 1.149209744 -0.496889282 -1.29609626
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## 173 -0.8921564892 0.15995317 0.322623048 -2.022415359 0.39940632
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## 176 -1.2583834623 0.89377526 0.978361859 -0.152453742 0.21882427
## 177 0.2870460097 -1.09101249 -1.525380265 -0.680263389 -0.79445251
## 178 0.8600955874 -0.28897099 1.017256619 0.565944420 -0.13639834
## 179 -1.3429930110 0.14011028 -0.072085552 -0.186388861 -2.41867303
## 180 1.3576029576 0.07665967 0.223833363 1.250250243 -0.59960676
## 181 -0.0768438639 -0.30491049 2.074961555 -0.522197395 -0.19058881
## 182 -0.1084580915 0.53488476 -1.504343614 0.275604241 -0.81647507
## 183 -1.9871131258 0.02732554 -0.816503510 -2.188398869 0.71827672
## 184 0.9487061082 0.25437431 -2.508402502 0.205386962 0.13896465
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## 186 0.3431515071 1.31083840 -1.187056659 2.758543678 0.26509909
## 187 0.8922093736 1.81786863 -0.499398073 0.898970007 -0.47447386
## 188 -1.1145091250 0.89307193 0.490265157 0.582378117 0.22497761
## 189 -0.3573994736 1.55141896 0.441392607 -2.413957870 1.22143549
## 190 -0.2573976251 -0.66821018 -0.474746715 -0.912080524 0.87171594
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## 192 -0.3532955601 1.00429944 -0.575082058 0.710619900 1.48574265
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## 194 -0.5755626688 -0.61639329 -0.177776150 -0.510922626 -1.30863056
## 195 -0.3765977974 -0.81964743 -0.745002197 1.891759227 0.12489939
## 196 -0.0683737225 0.78370387 -0.413056367 1.160632350 0.67728641
## 197 0.2391007388 -0.30061190 -0.598055053 -1.406914548 -1.61778647
## 198 0.9010408442 -0.30057351 -1.956306815 0.621110887 0.15763219
## 199 0.7125124608 0.79884056 1.932029411 0.924597901 -0.66227998
##          V140          V141          V142          V143          V144
## 1  -0.8683125512 3.464866e-01 -0.266119858 -0.108644992 -0.28307402
## 2   1.1383284781 8.973646e-01 0.941363315 -0.686965542 0.37039866
## 3  -1.2848201548 1.102811e+00 0.392897655 -0.370717615 0.33233150
## 4   1.3278556586 4.481535e-01 1.201886139 -1.528520413 1.03780739
## 5   0.3327188287 -1.566397e+00 -0.619643146 -1.036117985 1.53680241
## 6  -0.4580964330 -2.027503e+00 -0.876120323 0.289385794 -0.83101734
## 7  -0.8376178345 1.937762e-01 0.883087807 1.024352199 -0.10184031
## 8  -0.9347248620 1.294925e+00 -1.336731336 0.671029238 -1.62735211
## 9  -1.2738233717 -1.474171e+00 0.234286554 -0.390315642 0.23350469
## 10 -0.3775627188 2.646490e-01 1.386485350 -1.417581698 -0.61542678
## 11  1.2712326315 -1.009530e-01 -0.557329326 0.462965149 0.46944289
## 12 -0.9740634223 -1.947808e+00 -0.107802511 0.549012644 -0.17676427
## 13 -0.5892152285 9.488956e-01 -0.346740164 0.107149979 2.18795618
## 14 -0.0269605347 1.917194e+00 -0.537085189 0.471400747 0.12215905
## 15  1.3963537100 2.242726e+00 -0.689706200 2.257393649 0.89036726
## 16 -1.3422477703 1.840134e-01 -0.323500845 1.987866371 1.68125943
## 17  0.5255261051 7.305334e-01 0.019750053 -1.280341887 0.55770830
## 18 -0.9061617145 4.419472e-01 -0.001707511 0.696659037 0.32757898
## 19  1.3458399293 3.238055e-01 -0.762171861 1.755077880 -1.09598831
## 20 -0.3582401164 -3.824660e-02 -1.222229852 -1.850212099 0.67809795
## 21  0.0003435023 -9.050872e-01 0.194354447 -1.818952220 1.75974330

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## 22	1.5793997296	1.034296e+00	1.207800377	-1.283349238	0.63069400
## 23	-0.7108972369	1.559181e+00	0.722302537	0.442549918	-1.21061435
## 24	-2.3646734603	1.883944e+00	0.993259977	0.886399401	0.49772629
## 25	1.2940574593	-5.083045e-01	-1.312324553	0.087373263	-2.67944616
## 26	1.0461695039	-4.566674e-01	0.703660857	-0.746962850	0.72214923
## 27	0.4399498642	2.394903e+00	-0.359210457	0.046717178	1.54617024
## 28	-2.4965670953	-5.933297e-03	0.945539591	1.354365772	1.47275249
## 29	0.0013571920	5.324337e-01	1.148667026	-1.367602956	0.27274625
## 30	0.6515432625	1.404353e+00	0.327020461	0.240142259	0.23458934
## 31	2.4989219840	-6.457501e-01	0.661822208	1.053102556	0.19647122
## 32	0.0547973926	-2.851950e-01	-0.368859331	2.694250262	-0.48959760
## 33	0.6992361744	1.145836e+00	0.467147031	-0.594651828	0.38343335
## 34	0.4659567692	8.102010e-01	0.188765034	1.159336336	-0.91472627
## 35	-1.4614774870	-4.480890e-01	0.499020008	-0.167720229	0.39846655
## 36	-0.4127699363	-1.187200e-01	-1.179163701	-0.328742669	-1.30716880
## 37	2.6139572066	4.805505e-01	0.209583844	-2.402475880	-0.02278820
## 38	0.2765238448	2.181339e+00	-1.460287733	0.158456565	0.36014452
## 39	-0.8057510521	1.226889e-01	0.824673199	0.048930161	-0.67770220
## 40	0.4416988216	6.825829e-01	-1.840831213	0.758119282	-1.36812659
## 41	0.0422777319	4.844593e-01	1.205115277	1.073104929	0.31042254
## 42	0.0396561761	6.900737e-01	0.223222560	0.188749991	-1.05539882
## 43	0.5680289314	-6.134443e-01	-0.146475957	0.059863075	-0.16940449
## 44	0.1926937372	-1.821560e-01	-0.710324437	-0.194224392	0.62316008
## 45	-1.1733409384	-2.637656e-01	-0.283576901	-1.737473697	-0.59058115
## 46	-0.0343311564	3.485679e-01	-0.278548724	-0.702773697	1.60235140
## 47	0.6114325408	6.475275e-01	-1.435816660	-0.213123274	0.78169297
## 48	1.0900538963	1.715565e-01	-0.657392442	0.630155065	0.77698598
## 49	-0.2326142121	-6.200338e-01	-0.228144530	-0.508537996	-1.09166208
## 50	1.5128328987	5.524370e-01	0.295344083	0.664620524	1.92203117
## 51	-2.5155200222	1.307505e+00	-0.840985208	-1.030480640	-0.72234916
## 52	0.0341830088	1.804550e-02	-0.445610830	-0.654556919	1.04431688
## 53	0.1034397426	6.247922e-01	0.258151724	0.055202680	-0.41864224
## 54	-1.3185388902	4.147726e-01	0.456423458	-1.701579195	-1.49535767
## 55	1.6305381734	2.154723e-01	-0.435103772	-0.627983356	0.10009118
## 56	-0.8309079182	5.249155e-01	0.787098837	-2.602441365	-0.24335179
## 57	-0.6818569883	-1.182351e+00	-0.321067006	-1.094489935	0.33967911
## 58	-0.9894776956	-5.800138e-01	-0.374491370	0.773024809	0.06299140
## 59	-0.6312806366	1.455470e+00	-0.895249218	0.162139352	-0.42164764
## 60	0.4249458502	1.054398e+00	1.769871648	1.395522444	-0.24756674
## 61	0.3103171261	-1.397070e+00	1.712363314	2.304835562	-0.81606946
## 62	-1.0590619827	1.231788e+00	0.423047362	-0.374138832	-0.94324096
## 63	0.8910121263	1.691417e-01	-0.262380255	-0.230175783	0.44265730
## 64	-0.9311582434	2.648967e-01	0.228443976	1.282433794	-0.12539099
## 65	-0.7631347034	2.811466e-01	-1.507134876	1.422632086	0.45195618
## 66	0.0197025251	1.485806e+00	-0.232638840	0.554506775	-1.53661296
## 67	2.2718578829	5.874976e-01	-1.544254272	-1.253971941	0.14008785
## 68	0.5427143597	-4.083719e-01	-1.055841130	-1.263900858	-0.95384637
## 69	0.2659742234	-1.733792e+00	0.194044899	0.453016354	-0.99771324
## 70	1.4745012912	2.559205e-01	-1.448234050	-3.692051865	0.34159652
## 71	-0.8533056250	3.693377e-01	-0.559858172	1.052485518	1.30288608
## 72	-0.7221611576	-4.253082e-01	0.517929241	0.112923182	0.41952685
## 73	-0.9942225971	1.285927e+00	0.343289102	2.178973301	0.17536123
## 74	-0.5611621488	-1.569245e+00	0.743868938	-0.079641985	1.30025134
## 75	-1.1723512386	-1.520608e+00	-0.092392734	-0.469806270	1.08895354

## 76	0.3720383277	9.137104e-05	0.192696018	0.020671132	-0.69591279
## 77	-0.1772645683	-1.161735e+00	1.270236764	-0.203629564	1.14279164
## 78	0.4157599998	-1.273168e-03	-0.356911205	0.083149913	-0.84392318
## 79	-1.1382525822	-3.658139e-01	-1.540787285	0.274304248	1.58938879
## 80	-0.8356432126	3.993814e-01	0.802274550	-0.832070643	0.87622375
## 81	-0.5995393956	3.015405e-01	-0.405891038	0.027488669	0.31819716
## 82	-0.4042996201	-2.348136e+00	-0.159360118	0.921063643	-0.21230567
## 83	-0.8535752341	8.741659e-01	-1.769726900	0.305507246	-0.77198162
## 84	-1.0092285604	-1.050885e-01	-0.555715844	-0.643997323	-0.75352825
## 85	0.6337362272	5.362959e-01	0.132454270	-0.712100265	-1.07965952
## 86	-0.5964746357	1.465840e-01	-0.246914976	0.668510679	-0.31040015
## 87	-1.6275549763	-2.091786e+00	0.890411540	1.874590792	0.32858648
## 88	2.1050881353	8.358168e-01	0.754324103	0.088233026	0.18848524
## 89	0.4563314178	1.520481e+00	-0.007084376	0.406872697	-0.63501345
## 90	0.0143171401	-1.637711e+00	1.571257334	-0.378985967	2.51768938
## 91	-0.8273481288	-8.403368e-01	2.418289169	-1.668836857	-0.53401801
## 92	0.7221458273	-4.536004e-01	0.271708435	-1.222603713	0.37535934
## 93	0.1610956872	2.004481e-01	-0.343238130	2.550392474	1.22545580
## 94	0.5991345635	-1.562905e+00	0.024553019	-0.775348904	0.11127866
## 95	1.6058628140	-5.889484e-01	0.459442488	-1.861885129	0.87592596
## 96	0.6224839941	-1.596075e+00	-0.523240562	-1.635069222	0.62506593
## 97	-0.1087746777	-9.643566e-01	-1.306253461	1.988519399	1.53245281
## 98	-0.6464945285	1.158367e+00	0.231361421	-1.174835780	-0.42170457
## 99	0.2145590304	4.453576e-01	0.162542888	-0.466364683	1.15709474
## 100	-0.5428629317	9.201223e-01	-0.754780673	0.541494203	0.90099669
## 101	-0.4958626120	-7.525070e-01	0.260261083	-0.819126580	-0.15336926
## 102	-0.0901721003	7.340085e-02	0.557413556	-0.220526301	0.59509204
## 103	0.5623331521	1.971209e-01	1.482763298	0.217849665	-0.07986803
## 104	-0.9212143533	1.190077e+00	-0.174163035	1.579066054	-0.18383315
## 105	1.7769598202	-3.490452e-01	-2.064670590	0.706005635	1.08129079
## 106	-0.3094878734	7.664557e-02	1.593893569	1.332530089	1.31081689
## 107	1.1908642192	-9.243629e-01	1.529518696	1.139741110	1.41526779
## 108	-0.4616478437	1.466326e-01	-1.179515150	1.439557127	1.19017878
## 109	1.7853777995	-6.422254e-01	-0.578115658	1.159994179	1.22528758
## 110	-0.2546159738	-9.093595e-02	0.527069969	-0.372368419	0.63551895
## 111	-1.4879023564	-5.689437e-01	1.760086053	-0.133740371	-0.25601994
## 112	0.9167281913	2.740143e-01	-0.224229604	-0.369466499	-0.01598459
## 113	-0.1046063870	7.414809e-01	-0.325915574	0.066919046	0.26755557
## 114	0.1554204668	-5.115516e-01	-0.652755198	-1.724636128	-0.09722207
## 115	0.5162338518	-1.036491e+00	-0.291283271	2.423316128	0.01655958
## 116	1.3656090953	-1.768475e-01	0.835140137	0.009831631	0.93058613
## 117	0.5351496423	4.413760e-01	0.311098236	0.793729427	0.88549472
## 118	-0.7443176232	-4.273779e-02	0.585047206	0.335761825	-0.55101597
## 119	0.9590660196	9.326049e-01	1.250971079	-0.809303037	-0.61737790
## 120	-0.6494838917	-2.049651e+00	-1.163043351	1.612908932	-1.23828521
## 121	0.2231885448	4.895524e-02	-0.181519408	-0.143855263	0.67113293
## 122	0.3033195503	-2.195937e-01	1.921856634	-0.515779786	-1.44502845
## 123	-0.0850741211	8.408756e-01	0.651822883	1.877391795	-0.18760896
## 124	0.9776146873	1.309580e+00	-0.142500258	-1.460388855	1.44763993
## 125	-1.3235612265	9.629847e-01	-1.435673418	0.160236848	0.18555530
## 126	-0.5502278080	1.391595e+00	-0.789225892	-0.155984331	-1.71963497
## 127	-2.2945948933	-7.464505e-01	2.036400237	-0.120050306	-0.60474590
## 128	-0.0239798682	-1.344064e+00	-0.500275203	2.223198798	1.64696100
## 129	0.4531951525	4.801627e-01	0.352372410	-1.273721136	-2.04666337

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## 130 -0.4535395670 -1.447423e+00 1.823937794 -1.255143061 0.56660936
## 131 -0.5826403112 -1.649085e-01 -0.737402447 -0.961933586 -1.35169524
## 132 1.3742443370 5.337313e-01 -0.008825532 1.135519788 -0.58028793
## 133 1.0354080333 1.431507e+00 -1.712039747 0.251929033 1.28434898
## 134 0.3431534586 1.591745e+00 0.102347503 -0.035688478 -0.06500934
## 135 -1.5384767342 -8.663712e-01 0.545688285 -0.345576246 0.12017766
## 136 -0.2438148859 3.345424e-01 0.630459993 0.931293231 0.78483363
## 137 0.5650935978 1.097115e+00 -0.871761084 1.982164051 0.59310536
## 138 0.4833006973 -4.720234e-01 -2.193382286 -2.169582889 0.99910523
## 139 -1.3617356927 -5.167590e-01 0.457471585 -0.208791356 0.85716293
## 140 1.0371904794 -2.980261e-01 0.365636468 -0.316150861 0.10648792
## 141 -0.2374709762 1.286598e+00 -0.144652711 1.408399233 0.52449318
## 142 1.4677449909 8.668649e-01 -0.721577299 2.084260633 -0.93701208
## 143 0.8900741586 -1.311831e+00 -0.227400862 2.751263978 1.09308162
## 144 0.2477529403 -5.775247e-01 -1.386744631 -0.172726398 -0.36356001
## 145 0.1188572832 2.818600e-01 0.849479941 0.418478356 -0.06645545
## 146 -1.4535224040 -1.713052e+00 0.213563375 -1.194408829 0.24435658
## 147 0.5402597333 6.844490e-01 -1.275024239 -0.009158099 -0.09785258
## 148 0.6338561691 -6.543141e-01 -0.058884345 0.963766241 0.04127293
## 149 0.0925053605 -2.594702e-01 -0.117137528 -0.244110464 2.52066975
## 150 0.7503112949 -1.038939e+00 -0.750799180 0.461381810 -0.37496399
## 151 -1.0959249294 7.415027e-01 -0.907441682 0.262021615 1.75429744
## 152 -0.4887507741 1.162197e-01 -0.132126357 -0.074215490 0.72472666
## 153 0.0045335919 2.682532e+00 1.111417782 -0.186970717 -0.25883046
## 154 1.0011787093 9.362868e-02 -0.936790209 -1.063129190 3.16672979
## 155 -0.1980178886 2.034632e+00 -0.092501190 0.970310550 0.96451988
## 156 0.4527750881 -3.802063e-01 0.301846507 0.314971616 -0.47222428
## 157 0.9768877406 -1.406477e-01 -2.240917609 -0.692472079 0.12117714
## 158 0.1051514330 -2.372760e-01 1.117548555 1.286143985 0.52828065
## 159 -1.1083961512 -3.269836e-01 0.402343343 0.458738458 0.75509049
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## 161 2.1407627679 -6.737650e-01 0.648424756 -0.618636612 0.48033664
## 162 0.7616826294 -3.003959e-01 0.683268425 -0.970029350 1.12891761
## 163 0.0290215670 8.052479e-01 -0.202148561 -0.674080517 -1.11977128
## 164 1.2580681940 -3.948070e-01 -0.091773303 -0.440117074 -1.09140648
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## 166 1.1917553394 -3.361149e-01 0.814669984 -1.717815480 -0.09337641
## 167 1.2998932295 7.605708e-01 -0.728135661 -0.249687588 -1.52997065
## 168 0.2835616754 1.188242e+00 -0.626523776 -0.960274569 -0.80772264
## 169 -0.5860684192 -1.672507e+00 -0.396689162 1.610048957 -0.28992742
## 170 -0.9791692266 -1.188242e+00 -1.407707765 -1.610689213 0.53785115
## 171 0.0228728062 1.532620e-01 -0.301391504 -0.724833047 0.74537461
## 172 -1.6698700686 -4.058901e-01 -0.868346123 -1.553368099 0.18479715
## 173 -0.0223490133 1.023201e+00 -0.399608348 1.179318589 -1.26243313
## 174 -1.7612002664 8.581584e-01 0.251304093 0.081921342 -0.30188054
## 175 -1.0698922534 -2.104930e+00 -0.315429582 0.067657316 0.14111565
## 176 2.5407542109 4.451015e-01 -1.294997112 0.457682840 0.07802332
## 177 -1.9207945855 6.595912e-01 -2.070843826 -0.614132377 1.26322299
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## 180 -0.3604752038 -9.218746e-01 0.549433636 -0.112795019 -0.62321318
## 181 0.4841951802 5.509935e-01 1.396377763 -1.181748308 0.89439334
## 182 -0.1451039152 -2.113400e+00 0.203319977 1.277144573 0.67507215
## 183 -0.4893465664 -6.099326e-01 0.359076412 -0.873507142 1.06954751

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## 184 -0.6051745662 2.625690e-01 -0.107076705 -1.344046200 1.02903482
## 185 0.3150769874 1.162082e+00 -0.085694755 -1.792972558 0.13228529
## 186 -0.0780649124 -7.449740e-01 0.589637899 0.798621026 0.97635439
## 187 1.3225938359 8.780240e-01 -0.441767615 0.705346104 0.75419876
## 188 0.2476707140 1.170757e-02 1.374903885 -0.424895278 2.56403270
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## 193 0.0413561974 -1.640756e+00 0.151588281 1.324534980 1.86582120
## 194 -0.9834706229 1.387107e+00 2.220520414 -0.010063475 -0.25351953
## 195 -0.4276723791 -1.417476e-01 -0.225073704 0.844541354 -0.35341998
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## 197 0.3957234569 2.107001e+00 -1.593516390 -0.215558584 -0.19253467
## 198 -0.9281697259 -1.191345e+00 -0.733384596 -0.210045348 0.72172278
## 199 0.9128302066 -2.248463e+00 -0.478698893 -0.361722748 0.43272478
##      V145      V146      V147      V148      V149
## 1 -0.861112662 -1.429623822 -1.580838677 0.048990169 1.223130685
## 2 -0.137207189 -0.410125228 -0.250132580 0.191027497 -0.539550777
## 3 1.367937352 0.536690236 1.574690027 -0.214046427 -0.489265529
## 4 1.544097656 -0.610155194 1.234550455 2.530717468 -1.755369188
## 5 -2.071824821 -1.137251512 -0.575016890 -0.001603284 0.923621707
## 6 0.937561677 -0.081876520 0.204584933 -0.745233366 -1.867147183
## 7 -0.221874658 0.039140930 -0.861637292 -0.198151014 0.344951638
## 8 2.948542299 1.116756639 1.055912901 -1.208535140 -0.762944682
## 9 0.177107969 0.192335301 -0.271821294 -0.790353709 1.718534594
## 10 -1.514582387 -1.737877685 -0.989266369 -0.975794772 0.355085579
## 11 0.674266184 0.769015682 -1.209650707 -2.762363905 1.864926962
## 12 -0.102733233 0.236933151 0.385825039 -1.389207260 1.261108433
## 13 -1.656857423 -0.970321032 0.901713582 -0.736798292 -0.645752811
## 14 0.114808525 -0.790201598 -0.170055932 -0.140150961 -0.509820498
## 15 2.114696002 -1.112875012 0.370570101 -0.429962225 0.166116089
## 16 1.353555012 0.265342749 -1.185635883 -0.814725858 -0.074057078
## 17 1.342084758 -0.066892209 -0.050757860 -1.183692689 0.189308565
## 18 0.890346265 -2.647986629 0.052517618 -0.238922244 0.032454166
## 19 -0.655548024 -0.428138002 -0.932010710 -2.045856767 0.864907830
## 20 -2.292674593 -0.255070009 0.179550171 0.743473803 0.297339050
## 21 1.065405015 -1.914890964 0.580334244 0.280025097 -1.835578558
## 22 1.328579096 0.148403537 0.863902073 0.653993800 2.623981051
## 23 -0.822195465 -0.701877781 1.240843134 0.256501843 1.306604899
## 24 0.128146687 1.325329148 -0.349549218 1.258537590 0.804218639
## 25 -0.215983736 -1.419698881 -0.656386398 0.863738584 0.812548952
## 26 0.176730814 0.620637627 0.393894996 -0.129042893 -1.450879932
## 27 0.028469181 -0.887133038 0.456377926 -0.924984804 0.365062838
## 28 -0.409127649 0.153799674 -0.620247928 0.172098341 -0.528503785
## 29 -0.973967485 -0.382242968 -0.298620984 -0.342275254 -1.433973937
## 30 -0.116198310 -0.065719714 -0.776447740 2.157582028 0.437203792
## 31 -2.545366162 0.236183736 0.027164435 0.501531270 -0.084963743
## 32 -1.123766578 0.622590616 0.326622654 0.501470988 0.693484071
## 33 0.376305618 2.929534371 0.551966941 -2.296884656 0.019099075
## 34 0.736195553 -0.285697503 -2.436491915 -0.874300378 1.163779599
## 35 1.520637921 0.651699687 -1.187100107 0.266921623 -1.670979795
## 36 -0.456076153 0.388513635 0.200150808 0.179488440 1.751400015
## 37 0.066408309 2.143794165 -0.019983608 0.416682579 -0.224930791

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## 38	-1.419053907	2.326359235	-0.441777169	2.681726391	1.067228862
## 39	0.008552998	-0.641873828	-0.401074382	-2.245202128	-1.055391602
## 40	0.821388908	1.251403126	1.684204641	-1.074661572	0.190928805
## 41	0.234942173	0.736565037	-1.314151131	0.264529330	1.115181235
## 42	-0.995301055	-1.134284980	-0.365084667	-0.361767995	-2.014803062
## 43	-0.622200510	-1.032105096	0.129339309	0.515784154	-1.471538471
## 44	-1.491665102	0.127841232	1.132140895	0.009357990	0.511836149
## 45	-0.955862648	0.800073612	-0.100173072	0.674004213	-1.507477420
## 46	-0.032060306	0.264970157	-1.611456442	-0.293277610	1.518401473
## 47	-0.214630827	-1.970562760	0.145781725	-1.986646630	-0.378799324
## 48	1.562915076	0.989082370	1.200305178	-0.902251151	0.760755676
## 49	-0.516127211	0.741105716	0.112973739	-1.481006845	1.522921264
## 50	1.386229429	0.547667696	-0.581346091	-0.367296609	-1.736860972
## 51	-1.294604256	0.696791105	0.192367408	0.422498941	0.436439385
## 52	0.390633081	0.563294114	1.796905476	-1.347944968	-0.281476046
## 53	1.032142489	0.847002881	0.139874663	-0.199349693	-0.054629515
## 54	1.394878395	-0.725575120	-0.008046369	-0.269374388	-1.482153450
## 55	0.598811601	2.271563584	-1.709042801	0.462862631	0.670498411
## 56	0.879539615	0.725976260	0.836434276	-0.809905465	-1.250937678
## 57	-0.703295579	0.150463912	0.825992477	-0.627473463	-0.153695797
## 58	0.250095586	-0.376245595	0.485038093	-0.243372381	0.387650498
## 59	-0.178701834	-0.051565122	0.147745275	0.853199651	-0.526520204
## 60	-0.783759691	1.150800143	-0.278382519	-0.629967981	-0.288197533
## 61	0.663378646	-0.697875496	0.359885408	-1.256704988	0.657407470
## 62	2.209427128	-0.509131096	0.070466761	1.092355627	-0.794533356
## 63	0.429793797	-0.814739012	-0.180318885	-0.119014987	-0.024187886
## 64	0.232741731	-1.088173613	-2.411841057	1.373634312	0.756937644
## 65	-0.967117551	0.561557112	0.651326549	1.331685648	0.107056738
## 66	1.810704020	-1.098240280	-0.163574035	0.287075637	-0.338137520
## 67	0.201595494	-0.764778100	0.946548997	-1.284610378	-0.217027878
## 68	-0.933076255	1.985500812	-0.495375443	-0.825290681	-0.206109773
## 69	1.532456859	0.190566919	1.109265372	0.048137390	-1.563252198
## 70	0.685585149	0.914801339	-0.539246850	-0.766864442	1.018062127
## 71	-0.422663850	-0.356742718	-0.792738703	0.121237851	-1.471042984
## 72	-1.429400532	-1.002779171	-1.103623976	-1.397763537	-1.104115502
## 73	-0.551938469	0.354674957	0.757499659	-0.858059767	-0.705059179
## 74	-0.394497194	0.078257357	2.246558628	-1.773224318	-0.587866133
## 75	0.433887586	1.179832210	0.682286562	0.908895583	-0.631760639
## 76	0.782367449	0.039659415	0.767375212	0.194156405	1.078339090
## 77	1.375511461	-0.892507272	1.039831475	0.579279668	1.321471857
## 78	1.098062549	-0.189173617	-2.476567357	-0.290420000	0.677756366
## 79	-0.352429519	0.663903256	0.074610734	-0.906992316	-0.771675759
## 80	0.344422042	0.436412267	1.088426415	-0.809396194	0.499360360
## 81	-0.454514053	1.425935402	-1.166820228	1.173879092	-0.206248439
## 82	0.836559375	-0.118076076	-0.208025267	0.478216348	0.629439394
## 83	-0.189249549	-0.900618066	-1.520928071	-1.218255468	1.113005794
## 84	0.289360976	-0.983352747	-0.140873176	-0.083591999	-0.149282235
## 85	-0.651992260	-1.749104483	2.176906873	-0.095066321	-1.637494638
## 86	-1.118401137	0.284335021	1.830682340	2.128589848	-0.360578893
## 87	-0.385487912	-0.433957357	1.459536046	0.132238123	-0.300762721
## 88	0.853535604	-0.440945658	0.418313398	-1.001662474	-1.259075581
## 89	-1.606777586	-0.532837965	-0.148780987	-0.272616679	1.414132453
## 90	-1.112031403	0.680546356	0.364697399	0.528950219	1.207820446
## 91	-0.002998519	-0.547001885	-0.212524388	-0.637800289	-1.614129259

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## 92 -1.180584672 -0.833328763 -0.665575448 -1.226488534 -0.588891549
## 93 0.102510675 -0.043819276 1.405509716 0.162955562 1.730808751
## 94 -1.054243038 0.460132297 0.190598633 -0.649559604 -0.748058326
## 95 -0.621309890 -0.211649943 0.510568293 -0.025733274 1.145845151
## 96 -1.936392604 1.442980553 -1.037026980 -0.030510282 -1.701247608
## 97 0.124838386 1.306153756 -0.864797390 0.513735471 -0.180977481
## 98 -0.664003253 1.038545475 -1.811674127 -0.122940057 1.313907079
## 99 -1.029961192 1.000465564 0.145795060 0.892205561 1.700358814
## 100 1.464151027 -0.614343830 -1.331117063 0.981510569 0.436622665
## 101 0.090720777 0.318285045 2.777491217 -0.521243460 1.963461353
## 102 -0.280485585 0.146344228 -1.182123747 -1.558792353 0.393628310
## 103 -1.722271936 -0.231933549 -0.746618916 0.459628536 -0.664807828
## 104 -0.068901832 0.734536145 -0.012262832 -1.910339933 -0.898966795
## 105 -0.532084856 0.259330994 -0.766895319 1.167976133 -0.255736672
## 106 -0.402950254 -2.358000079 -1.480071070 -0.183489280 -0.935813191
## 107 0.776015896 -0.480101788 -0.746985763 0.045654866 -0.291596374
## 108 -0.221885730 -1.137895457 -0.827590829 0.533291099 -0.104038362
## 109 1.460909549 0.802422348 -1.188784906 0.604036541 0.177496833
## 110 -0.853259990 -0.069690973 -0.197706698 0.445665831 -0.198065503
## 111 1.688957885 2.285765840 -0.629399742 -1.062362486 -1.164845864
## 112 0.566215490 0.356374275 -0.487889402 -1.468938756 1.216447601
## 113 -0.623891138 -0.318321730 1.553545643 -1.905746858 0.736684093
## 114 -0.030040787 -1.540104616 1.168603083 -0.161072902 0.090251021
## 115 0.992263417 1.082352285 0.452851587 -0.901807133 -1.995032235
## 116 -1.310783552 -1.506580005 -1.122558269 0.262373909 0.294524239
## 117 0.334654127 0.205612620 1.163544772 0.424283730 0.564416501
## 118 0.890127582 0.711814032 -1.322515434 0.677142288 0.483668369
## 119 -0.829326056 -2.062337076 0.093065320 -1.669620394 0.281945093
## 120 -0.655371800 -0.468159481 0.650749025 -0.404850141 0.789985820
## 121 2.070960996 -0.933435868 -1.875949659 -0.017812541 -0.399674236
## 122 -0.178924119 -1.626198036 -2.578994762 1.291125246 0.548457342
## 123 -0.293434679 0.192265299 -1.191468543 -0.895434777 0.933283959
## 124 0.981701623 0.783016266 2.291848790 -0.423936683 -0.380800894
## 125 0.440304865 -0.554588898 -0.890149506 -0.680137483 -0.842998455
## 126 1.233377625 -1.097123213 -1.308085536 1.047781424 -0.430760445
## 127 -0.759401639 0.994604572 1.975969271 -0.280395907 0.003311282
## 128 -1.119828809 -0.368926808 -0.842619529 0.539721080 0.170764433
## 129 1.361878296 1.980565740 -0.548740737 -1.228774341 0.317655749
## 130 -0.336279834 -1.232128087 1.419964979 -0.381673116 1.350981022
## 131 -0.199944656 -0.691649908 1.187199403 0.065121440 -1.570636787
## 132 -0.885899953 -0.215927686 0.048169525 -0.154604134 0.081405496
## 133 0.512906900 -0.114832462 0.595250828 -0.094301113 0.136913054
## 134 -0.995707759 -2.240081405 -0.992407868 -0.380090514 1.427537414
## 135 0.491241363 -0.018103319 -0.186203574 -1.915963877 -1.640743027
## 136 0.035300177 0.008229762 0.178280298 -0.163430185 -3.103798903
## 137 -1.113544264 -1.597849952 1.922885073 -0.548871913 -2.245293782
## 138 0.976219556 -0.667961581 -1.002963170 -0.454930542 0.740277519
## 139 1.333418604 -0.119706533 -0.266513499 0.905458736 -1.504032629
## 140 0.519324368 -0.473475077 -0.501631140 0.365537117 -0.123076820
## 141 -1.527396283 0.120551797 1.668205249 0.660326519 -1.125781050
## 142 2.771674952 1.847661077 -0.596089375 1.242677677 -1.048459392
## 143 -1.533046768 -0.043906459 2.313827386 -0.649940709 0.156715479
## 144 0.227903602 -1.264756519 0.789794348 0.140402291 0.442999695
## 145 0.099624869 0.056072353 -0.348826843 0.860122255 1.649055239

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## 146 0.408999682 0.124521112 -0.142613166 0.366192688 0.573276525
## 147 0.491269390 0.377644758 0.733897224 -0.040260749 0.539370924
## 148 0.315285990 1.030022546 0.918551281 3.070926319 1.246972303
## 149 -0.168018913 -1.004384928 -1.118562563 -0.388831225 -0.506539236
## 150 0.731228790 1.318162660 -0.004723834 0.450311852 0.020537717
## 151 -0.803369534 -1.279253324 -0.573049246 -0.398814199 -0.911803412
## 152 -0.089642023 -0.583774527 1.516517703 1.547693955 1.527834540
## 153 -0.431805045 0.760822289 -1.218532444 -0.007944336 0.556925030
## 154 -0.762063015 0.209736794 -0.132882155 -1.059161955 -0.147475366
## 155 -0.108856568 -0.178309981 1.301943878 -0.611814032 0.112537696
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## 157 0.732219950 -1.331503742 0.731920734 0.302560054 -1.338300375
## 158 2.127844047 0.504147791 -0.321251399 -0.619175425 2.048634587
## 159 -1.043038939 1.639955893 -0.205943436 -1.836880268 1.217106045
## 160 1.914275609 -1.233777861 -1.636119734 0.322165743 1.175240743
## 161 -0.140745682 -0.094550821 0.461646245 0.463912319 1.718357927
## 162 0.453306166 0.346243676 1.651884034 0.963919661 -1.659646585
## 163 0.538119655 -0.320879234 0.823050533 0.153810011 1.116525797
## 164 -0.016576672 -0.110617128 1.055925060 1.137723176 1.571392693
## 165 -2.236096033 -2.380388133 -1.966555003 -0.325714637 1.459165378
## 166 1.989748004 -0.926044568 0.293092020 1.789317529 -0.329904278
## 167 -0.858637427 0.978213869 1.161789297 -0.925465754 1.580422416
## 168 1.195223699 -0.008300768 -0.019485397 -0.354302466 1.207759806
## 169 0.381867409 -0.045722107 -0.352261455 -0.785010120 -2.391191679
## 170 2.010750480 2.136251323 0.202179586 -0.760948115 0.655675991
## 171 -0.414470199 0.860764743 1.535670446 1.396160215 0.048956699
## 172 -0.768647765 -1.246405193 -1.384533186 -1.750685475 1.251082281
## 173 -1.495223824 0.484387392 -0.204897875 -1.106631389 1.039239561
## 174 -0.137938132 0.145889854 -0.057571290 2.026026872 1.250445613
## 175 0.078411715 0.508112781 0.969783873 0.083912815 -0.355613936
## 176 -0.376336396 -1.098952079 -0.646046157 -1.882760943 0.191681729
## 177 -0.751680870 -2.674430579 0.393270132 1.255985385 -0.218949564
## 178 0.385062765 -1.897112194 -0.090242262 1.414854536 2.836795020
## 179 -1.350762010 -1.367859352 -2.488338237 0.946484148 0.781984481
## 180 -0.517747097 -1.044375760 -1.199461823 1.105368793 1.820310669
## 181 -0.565354045 -0.793018681 0.951590956 0.139131535 -0.421701330
## 182 2.786122018 0.353560979 -0.539502390 -0.352291299 0.649310940
## 183 0.659391188 1.213019724 1.556356400 -0.324273309 1.628724298
## 184 -0.434544407 1.381557615 -1.378261118 0.304684806 -0.192256328
## 185 2.392126216 0.725576394 0.530894598 1.680088167 1.650958248
## 186 0.034230109 -1.150871972 0.412011220 0.086661582 -1.299148479
## 187 -0.769903505 -2.713486874 0.024840952 0.308439110 -2.502372766
## 188 -1.883323462 0.685808969 -0.067226376 -0.534430123 -1.542080504
## 189 -0.280768474 0.668768676 -0.996287266 0.030449199 -1.252761168
## 190 -0.728871798 -0.323971058 2.182125746 1.362311149 0.138645372
## 191 -0.635142632 -0.983621722 1.769166175 -0.387280621 -0.877923020
## 192 -0.308366132 0.034694017 -0.186813696 2.189939715 1.163996370
## 193 0.624385586 1.823612286 1.210123845 -0.504268087 0.901143651
## 194 0.187139873 -0.064697227 -0.317541537 -1.174853627 0.119224255
## 195 -0.697799173 -0.430412513 0.896865079 0.156995353 0.388650590
## 196 2.179187539 1.992142967 -0.609903073 -1.373001994 0.312635003
## 197 1.029835480 -1.489641041 0.529383837 -0.885364541 -1.462478292
## 198 -0.434164156 -1.767748714 -1.019780148 0.852218008 -1.367298051
## 199 -0.229874844 0.096155821 -0.674859622 -1.075800138 0.123965654

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##	V150	V151	V152	V153	V154	V155
## 1	-0.58892845	-0.25948970	0.928932863	-0.700648983	0.998317060	-0.826560655
## 2	1.57347942	-0.50081190	-0.240309899	0.167410852	-0.851906257	0.928362964
## 3	-1.90158812	-0.44357263	-1.841145820	-1.196587627	-0.635935457	-0.313487676
## 4	-0.23072441	0.90609290	-0.132319030	-0.498312841	-1.152278319	0.942822710
## 5	-1.06716390	1.00440955	-1.002880979	0.267102033	-0.407131080	-0.009760642
## 6	-0.57519306	-0.71557529	0.882175365	0.130635159	0.859913909	-0.640703138
## 7	0.60091695	0.59997264	-0.234485645	0.058745997	-0.561665510	-0.517654954
## 8	0.90582843	-1.67302445	-0.585793329	-1.276206480	-1.352180185	0.531253369
## 9	-0.33491396	0.06008556	-0.905231774	-1.571547696	1.305832999	-1.508174568
## 10	-0.32486844	1.30391403	-0.828670348	-0.086567556	-0.508755234	-0.745245958
## 11	0.25722928	1.37623137	-1.588881410	-0.515799632	-1.194516168	1.257987763
## 12	-0.38157859	0.86876366	0.512212783	-1.055739611	-1.020530332	2.744350725
## 13	-0.20975073	-1.04667701	-0.621816586	-1.521873233	-1.137089070	-0.094720900
## 14	0.33250476	-1.31970358	-1.103290763	0.247839301	-2.054157146	-0.240972937
## 15	0.96001920	1.74812023	1.314670171	-0.411785326	0.972231949	-0.539560976
## 16	-0.08054148	-1.97120673	0.525971311	0.860055694	0.651669994	-0.866657645
## 17	1.32800856	1.44277107	0.336276464	0.796746323	0.066370354	-1.458822967
## 18	1.54445509	-0.71967682	-0.151013535	1.209614761	-0.611439115	2.431672443
## 19	1.62960283	1.80155063	-1.211877373	0.399316626	0.041029160	0.648843133
## 20	-0.11255763	0.09835807	-0.905370426	0.446861616	-0.941833941	0.935302746
## 21	-0.21278891	1.68875841	-2.483586214	-1.774321516	-1.223911353	0.910636355
## 22	-0.30872156	1.21632248	0.038934220	-1.180619134	0.388430489	0.073218524
## 23	0.21898644	-0.20399188	0.219601791	-0.869505789	-1.441319748	-0.039430625
## 24	1.66351995	0.89473316	-0.055027379	-0.500610320	-0.831241853	-0.221187522
## 25	0.57376529	-0.00830451	-0.237669893	-0.329474851	1.258980613	0.925036394
## 26	0.27310977	-0.61320409	-0.115399419	-1.400168495	-0.110999613	-1.009907068
## 27	0.20718589	-0.24959729	-2.132795504	-2.033755401	0.455960112	1.528585715
## 28	0.75099408	0.04874103	-0.772432853	-0.002713357	-0.308401704	-0.317645707
## 29	0.90822972	1.09915680	1.369281880	-0.232979868	-1.740115915	1.662914169
## 30	-0.41775339	0.02245612	-0.151886718	-0.150479540	1.110180032	-2.177055229
## 31	0.75431374	0.61132570	-2.218431609	-0.886567218	0.509278684	-0.742318063
## 32	0.28004903	0.35428251	0.674218554	-0.243268402	-0.452882176	0.943499438
## 33	-0.09915285	0.62870756	-0.064154914	1.145558103	-0.664394734	0.882577174
## 34	1.02289167	-1.94630917	-0.097836225	-0.897626159	-1.519904656	0.711368140
## 35	0.56788889	0.22710945	-1.609817169	1.552159526	-1.171045893	0.335607848
## 36	2.02711241	0.36737536	-1.150086079	-0.153734349	-0.055078121	0.625737624
## 37	-0.47958654	-2.18634971	-0.550571719	0.581700709	-0.746819268	-1.644779939
## 38	0.81256459	-0.68918012	-0.652598606	-1.126775771	0.455633699	-1.083219478
## 39	0.92554720	1.25493563	0.056398448	0.057306795	-1.397859334	-0.712580183
## 40	-0.28214730	0.30993266	-0.137525917	-0.421821489	1.579678805	-2.177970291
## 41	-1.36465995	0.21963927	0.933912919	0.246589271	0.856339586	1.545838837
## 42	-0.71160842	0.17976550	-0.406452242	0.372748797	0.020255833	-1.776501616
## 43	-0.38654513	-1.11277227	1.035163259	-0.137940155	-0.004999026	1.104180690
## 44	-1.09441596	-0.28714007	-2.178159434	0.826061293	-0.687383507	1.044655053
## 45	0.18418306	-1.66443288	-1.700137572	-0.230882187	-0.330724358	-0.309440492
## 46	-0.28008735	-1.22510777	0.442165522	-0.442357523	-0.161518247	-1.152074880
## 47	0.28737020	-0.76336534	-0.167457128	-0.123366946	-1.015740915	0.434219793
## 48	-0.31230230	-0.25229907	-1.733520292	-1.053565999	0.529667345	-0.092950944
## 49	0.93821092	1.21317756	0.384874109	-0.559235461	-0.864482813	-1.152872791
## 50	0.63117009	1.28441187	-0.816923649	-0.099161959	0.123378074	2.120280408
## 51	-1.64621752	-1.00310453	0.208971786	-0.113045807	-0.876172994	0.803037178
## 52	-1.69403466	-1.05970389	-0.965312719	-1.389871518	-0.585428248	-0.649581692
## 53	-0.50457832	-0.21646225	0.590477259	-0.475970298	0.507015077	-1.487224371

## 54	-1.15125834	1.00461288	-0.397160999	1.232208203	0.663703819	-1.624390474
## 55	0.73704392	-0.88531894	0.941004897	0.192145162	0.901175184	1.090327224
## 56	-1.23397889	0.77698466	0.912980731	0.209552216	1.273609462	0.007501581
## 57	0.01292545	0.09967998	-1.097675375	-0.778400806	0.229434416	0.100825092
## 58	-0.86959411	-1.64546925	0.785244609	-1.099163342	-0.883596280	0.783906690
## 59	0.07926595	-0.88262917	-0.572205947	0.296212272	1.401663268	0.219017832
## 60	-0.05637520	-0.30920320	-0.337432374	-0.812603307	1.054705517	0.029078566
## 61	-1.32168468	1.09991096	0.041707966	0.507183011	0.645919357	-0.363323447
## 62	-0.82234309	-1.58024104	0.775743548	1.339346846	-0.974198881	0.240393480
## 63	0.87183252	-0.91633694	0.018272086	0.484595138	-1.651536430	0.884812884
## 64	0.74277113	0.06485124	0.328375048	-1.112809534	0.223939305	1.439761608
## 65	0.25654313	-0.76362671	-1.398428132	0.798723308	1.340024537	-0.021873124
## 66	0.68410691	-0.43799110	1.768175709	1.293122208	1.805565430	0.615974359
## 67	-0.35559785	0.37300930	1.639153247	0.227897600	-0.793378045	1.383582038
## 68	-0.50946397	-1.75661286	0.457629892	-0.895931135	0.747015159	1.500699129
## 69	-0.42864154	-0.35667419	-0.011831900	-2.775868164	1.955726986	0.731813473
## 70	-0.41914948	0.43673001	-0.301163701	0.224781547	-0.273205294	0.093820537
## 71	1.35824111	0.25127002	-1.807761465	-0.016773745	0.737698410	0.907760847
## 72	-0.90839901	0.41546069	1.108586943	0.749115905	0.050013687	-0.136294995
## 73	-2.00730306	1.31539448	-0.295793108	0.339998220	-0.606858894	-0.235509932
## 74	0.22833246	-0.66452340	0.198654948	-0.310717393	0.106635704	0.746194913
## 75	2.02007899	0.08277717	0.026948495	-1.234426207	0.042449447	-0.784970883
## 76	-0.18861864	-0.87719451	0.144442767	-0.091181232	0.468083491	-0.475443927
## 77	-0.34092386	-0.55596693	0.007797042	-0.171415703	0.973350083	-0.142936237
## 78	0.42077033	0.07773312	0.559637624	0.746783123	-1.580389859	-0.736873295
## 79	0.77261669	0.34604647	-0.092314883	0.644299805	0.056012669	0.522895858
## 80	-0.10641597	-1.77980886	2.108129008	-1.326048010	-0.169987903	0.554815128
## 81	0.27072111	1.24206571	1.286284352	0.443885719	-0.731698982	0.574131004
## 82	0.60388654	1.18132323	0.006866097	-0.887852948	1.359277078	-0.258671962
## 83	-0.92212451	-1.31150466	2.143446590	0.745509475	1.257906992	1.249844910
## 84	1.25069017	-0.16463629	-0.218337633	1.118448198	-0.950112175	0.857006918
## 85	0.43106833	-1.32304827	0.472621918	0.706347348	0.660580961	-0.194279770
## 86	-1.66820547	0.43293023	1.073396488	-0.038034181	0.218616430	0.183637083
## 87	-0.98995517	-0.99717754	-0.812778374	-0.749660453	-1.844574031	0.073094093
## 88	-0.95645803	-0.73636800	1.475731651	0.349760600	-0.957118774	-0.291887888
## 89	-0.53630675	1.16830502	1.002416569	1.193982584	-1.599940041	-0.127847627
## 90	-0.40079384	-1.85618251	-0.106725954	-0.269842971	-2.738877619	2.189922300
## 91	2.01720391	-0.19792544	-0.275513279	1.236116628	-0.882374831	-1.148582720
## 92	-0.83741312	-0.43605090	1.007781402	0.085125533	-0.369948874	0.198744757
## 93	0.40185059	1.27455292	0.617539366	1.408896254	-0.624808259	-0.504883173
## 94	0.78403488	-1.32666906	-0.820980677	0.347862780	-0.993850998	-0.970805537
## 95	1.06842428	-2.57238626	0.756757359	0.095560646	0.334612041	-0.096702290
## 96	-0.06090176	0.07330510	0.989432976	0.172975339	0.670513783	1.085598239
## 97	-0.70406257	-0.34410244	-1.853716018	2.160158417	-0.167003239	-1.755793451
## 98	-1.89946792	-1.87916237	-1.167959207	0.319146513	-0.204109922	-0.679091552
## 99	0.83270437	-0.56602501	-0.174947289	-0.186371957	0.974338929	-2.286334374
## 100	0.02600074	-0.67691295	1.135969133	-0.099031931	-1.090032006	-0.883795286
## 101	0.53909569	0.23626331	-1.196717131	0.962845738	0.344967723	-0.540389241
## 102	1.31282932	-0.84468555	1.142099213	-0.434651935	-0.588665131	0.895554507
## 103	0.05158447	0.59900708	0.979791929	0.228726475	-1.521468914	-0.609297923
## 104	-0.15510210	-1.08528986	-1.382768041	-1.109374334	-1.494686222	-0.424526326
## 105	-0.12017572	-0.45688384	1.022475416	-0.562776143	-0.027185639	-0.072308413
## 106	1.33250493	0.21492828	0.593165127	-1.606304674	0.556521933	1.101256261
## 107	-0.80805572	0.42274903	1.065365381	-1.316601134	1.146318939	0.124290594

## 108	0.65053752	1.65049491	1.445074801	0.454038785	0.645096931	0.906878569
## 109	-1.05665748	-1.92748950	-0.056636492	0.840612397	0.932434930	0.987517739
## 110	0.88729176	-2.17743617	-0.669817275	0.214948369	-0.124893647	-1.067984558
## 111	1.60247398	-0.33473249	-0.202254853	-1.444665201	-0.703907272	1.184073627
## 112	-0.33214093	0.38585951	0.280214014	-0.571705240	-0.670955508	-0.734932852
## 113	0.12347394	-0.93504022	-1.572397132	0.078797829	0.911768759	0.052748099
## 114	-1.01171802	1.62120232	0.874060703	-1.260786038	0.207648488	-1.467971454
## 115	-0.13300482	-2.29963239	0.553444725	0.230132823	0.109916234	-1.070296598
## 116	0.23617569	1.87072243	0.267653762	-0.436878134	1.102355628	0.359708154
## 117	-1.54318902	0.77861891	-0.851552582	1.010315197	-0.603017842	0.750623205
## 118	0.01941302	-0.43668743	-0.658730798	-1.236237254	-1.598318406	0.507348465
## 119	1.48873628	0.47924216	-0.668738938	-0.046671614	1.109908521	-0.544792719
## 120	2.16109354	0.27368147	0.288442487	-1.549567853	-2.013353135	2.332257156
## 121	0.16940787	0.18680450	1.242725983	-0.106273750	-2.104569397	1.019292455
## 122	0.62831814	-1.10551814	1.157251760	-0.166595706	-1.400033809	-0.414251640
## 123	0.45608155	-1.17872495	-2.169158070	0.852241197	0.004844030	-0.212820431
## 124	-1.13944193	-0.78174483	1.002435951	-1.640907898	0.456692004	0.542698989
## 125	-0.40204733	-0.25429654	-0.562573602	-0.774597657	0.575037757	-1.123109493
## 126	-1.69436896	-0.26768217	0.933586450	1.391989968	0.273145644	-0.736069257
## 127	-0.97696517	-0.38617816	1.317785296	0.011801819	1.017741329	-0.726293815
## 128	-1.06357896	-1.29772062	-1.538296790	0.580877796	-0.863304697	0.680980114
## 129	0.44591441	0.51440212	-0.149214799	-0.274376189	-0.116310168	1.520134971
## 130	-1.10464982	1.71318874	-1.013766003	-1.838040104	-1.312177216	1.291796154
## 131	-0.29295734	0.39546380	-0.356043045	0.941369719	1.088093821	-1.400341127
## 132	-0.91666491	-1.30732465	0.043154930	-2.378768377	-0.867401040	-0.252188177
## 133	-0.12046200	1.48535274	-0.261277281	-0.917452037	1.034463457	-1.072564961
## 134	-0.61118321	-0.21403015	-0.679626268	0.003916704	0.862931226	0.997184087
## 135	1.16139339	-1.93223934	0.506232624	0.820394986	-1.387798726	1.144848644
## 136	1.65565971	-0.29639260	1.334161023	0.597548697	0.682583891	-1.873618888
## 137	-0.79996954	-0.12463870	0.089688569	-0.373351169	-2.241040421	2.129638818
## 138	-0.81750773	0.41542697	0.902979899	-0.562242655	1.946171919	0.765567376
## 139	-0.09332405	-0.06717332	-0.470812281	1.244947906	0.173677149	0.975440832
## 140	-0.22973140	-0.59445419	2.250269194	-0.293666614	-1.142434138	-0.934837411
## 141	-1.09484320	1.58548057	-2.010701352	0.995442627	0.971504082	-0.638932299
## 142	0.63103608	0.78502175	1.324373917	1.643038526	-0.921558821	1.163707527
## 143	-0.02684960	0.45535907	-1.471426115	-0.624261066	1.318978209	0.913433664
## 144	2.18438821	-1.05636706	-1.518660138	-0.641967325	0.377535066	2.282733168
## 145	1.12979825	1.29419861	-1.547337190	0.581661818	2.894294458	-0.887703437
## 146	0.97069527	0.26046131	0.607569989	0.282348312	0.527782267	-2.059231935
## 147	0.66864266	0.38602506	1.428118130	-1.590005467	0.108513492	-1.064410526
## 148	0.60388307	-0.34142819	0.050628167	-0.818162711	1.257100550	1.627428194
## 149	-1.51779471	-0.41060431	1.505062712	0.937015650	-0.959766491	0.590762560
## 150	0.56029039	0.12484971	-1.054687291	0.979104231	-0.356421663	0.580108593
## 151	-0.98415709	0.11035835	0.846896527	0.944716851	1.376511612	-1.203837573
## 152	1.12450413	-0.52837298	0.633407214	-1.512560311	-0.401877372	-0.044667992
## 153	0.96214848	-1.52340379	0.227608274	0.127718300	0.040679900	-0.734001712
## 154	-0.44361624	-0.86026941	0.426055599	1.568746969	-0.715222251	1.349935859
## 155	0.53946934	1.43230649	2.457656487	-0.208602663	0.130345898	-0.628065115
## 156	0.31872340	-2.76310780	-1.774282825	0.022382945	1.429831078	0.900459973
## 157	-1.04249102	1.43004280	-1.495804570	-1.682845182	0.588223375	-0.870156990
## 158	-1.24579528	-0.44764756	-0.537309762	0.393910167	-3.140147424	-1.072324153
## 159	-1.74971627	-0.95127105	-0.789213692	-0.700431571	-0.425892737	-0.385822247
## 160	0.03840354	1.20688025	-1.616209382	1.170123616	-0.241968294	-0.346057569
## 161	-0.14442796	-1.89362446	-0.439339479	0.232939983	0.848733657	1.153157456

## 162	2.06764288	0.26658923	0.279561980	-0.429998975	-0.136508128	-0.132138202
## 163	0.10539368	-1.36206596	0.846592327	2.055245271	-0.239109017	-0.943104558
## 164	0.64083237	-0.53522820	-0.009863853	0.215515355	0.219866968	-0.154388883
## 165	1.21094202	-0.69266677	-1.368689642	-1.318118187	-0.746025875	-0.060082979
## 166	0.22288134	0.97408992	1.172442652	0.631581308	-0.626794737	0.649376938
## 167	0.52361320	-0.70917429	0.239374042	-0.686127967	0.207376424	-0.337321287
## 168	-0.53357763	-1.35971302	-0.436880080	-0.015341665	0.024353655	0.100972266
## 169	-0.90540971	0.09088302	0.943528603	0.256978922	0.389009630	0.087226457
## 170	0.64442015	-0.51519824	0.568530232	-0.692360418	-0.775907656	2.598011523
## 171	-0.27484088	0.64700007	-0.638461422	0.160141115	1.545972568	-0.184066401
## 172	2.07908722	-0.37100816	0.761661121	0.373503116	-0.482182665	1.715690430
## 173	1.49414058	-2.15301980	-1.227167856	0.025500398	-1.927891596	0.204142066
## 174	0.30374629	1.14591082	-0.045247101	-0.140212649	-0.543365221	0.386965298
## 175	0.61498132	1.89735213	0.098782118	-0.458600915	-0.700787348	1.059826767
## 176	0.59383159	1.01076673	-1.321952310	1.016352745	-1.467160129	1.254219198
## 177	1.32359454	-2.45571423	-1.269297387	-0.165882277	2.683071285	1.002706622
## 178	0.78745402	0.53171013	0.282429036	-0.645692195	-0.012157373	-0.628800361
## 179	-0.12271572	1.65768348	0.268396755	0.191198573	0.084267683	1.425520339
## 180	-0.51416266	0.36904899	-0.971768574	1.775443792	-0.569111713	-0.130241730
## 181	0.12786253	-0.75129838	-0.493113923	-0.397921854	-0.030547744	-1.674420694
## 182	0.43013808	-0.48836991	1.200454866	-0.709071137	1.419184014	0.448782959
## 183	0.12371514	2.89990851	0.239169873	-0.009531535	1.743057283	1.656814602
## 184	-0.32973780	1.04191605	0.074339980	-0.718239223	-0.071112621	0.102060268
## 185	-0.48730526	-0.60562482	-1.238210203	-1.945473606	1.554236613	-2.354260255
## 186	0.23682039	-1.11917821	-0.497691991	0.552402835	0.468588227	1.761588680
## 187	0.44881942	0.76251731	0.580337269	-0.316029001	-2.794733140	-0.307710004
## 188	-1.66741492	0.99452108	0.511010422	0.085585163	-0.670957229	-0.030979030
## 189	0.82188493	-0.29816216	0.785516003	-1.103062278	-0.667616227	-0.003924327
## 190	-0.40819145	0.90765965	0.266837812	-0.679710215	2.824858148	-0.916521488
## 191	0.47733448	0.02383870	-0.193947843	-1.119340271	1.381975496	1.240065910
## 192	0.22667861	-0.83643604	-0.150730298	-0.587275807	0.493151339	0.124287494
## 193	1.25646990	-0.26192555	1.774040133	0.210319450	0.555558026	-0.327275948
## 194	-0.16838265	-0.45687191	-0.250245352	0.050753443	-1.351880532	-1.202949948
## 195	-0.62872564	0.89821103	0.064482933	-1.099337120	0.775835017	0.093363017
## 196	-0.19947031	-0.23012579	0.006373703	-0.609568498	-0.563541163	1.817892638
## 197	-1.12015207	0.86856291	-0.223132569	1.212851052	-1.469499579	-0.450044187
## 198	1.94057598	-1.43534202	0.707066999	0.222087077	-0.861725598	-1.493113695
## 199	0.91845907	-1.67005939	-0.730570401	-0.049410401	0.689393650	0.001687587
##	V156	V157	V158	V159	V160	
## 1	-0.268702462	-0.269269650	0.4425612275	-2.236320073	0.619515650	
## 2	-1.141025993	0.565181296	-0.6321698338	-2.968474410	-0.497911823	
## 3	-1.526190750	-0.131222124	-0.6378370508	1.860831114	0.215549828	
## 4	0.268232644	-0.362557060	-1.2456129542	-0.920953490	0.853109177	
## 5	-0.596188757	0.458612415	1.2031190592	0.979191787	0.715557302	
## 6	1.559801096	-0.310340472	1.9448445883	0.216730144	-0.996719815	
## 7	0.374941182	1.492369538	2.1151289708	0.417340573	1.407604342	
## 8	0.908434200	0.993324423	-1.2276172063	1.624222340	0.671345674	
## 9	-0.238466757	-0.167806066	1.1062027110	1.251050607	0.024074569	
## 10	0.844014991	0.977429753	-0.3492409981	-0.105863727	-1.432297843	
## 11	-0.013981835	0.352455637	0.1801852617	-1.088936569	1.299799726	
## 12	0.901535672	1.185913487	0.6856029975	0.282615668	1.210722208	
## 13	-0.069825081	0.654499559	-0.8297319914	0.693686427	0.245603500	
## 14	-1.189029524	1.157473951	0.2143460590	-0.488197399	-0.268123122	
## 15	1.213539939	-0.389882452	-1.9084907292	0.541888461	1.115304208	

## 16	1.161013144	1.200390483	-0.6888892372	-1.154177588	-1.660261607
## 17	-0.426397065	2.088297608	0.3498127909	0.959647347	-0.047551586
## 18	-2.212554165	-0.970667804	-0.7479003876	-0.278792609	0.765419692
## 19	-0.934172114	-0.217672858	0.0002212215	0.863598277	-0.760555404
## 20	1.023048064	1.323902015	0.8541024528	-0.050492680	1.619090018
## 21	-2.220956408	-1.304375097	0.8267058255	-0.612061155	-1.059574315
## 22	-0.756699011	0.406720078	0.9659306364	0.717240494	-0.822728950
## 23	-1.401971292	2.547586014	-1.6728110775	0.168572581	0.457328124
## 24	-0.225685682	-1.574495301	2.2138877954	-0.156148916	-1.823057435
## 25	-1.197039048	0.943423113	0.2546788779	1.114896712	-0.344156654
## 26	0.207652339	-0.181013006	-1.0627912040	0.789730172	0.596452111
## 27	-1.658280389	2.281549369	0.7704107631	2.581562024	-0.369142132
## 28	-1.810238946	-0.242027256	0.0270988952	-0.134032121	-0.203760490
## 29	0.422591182	0.253348757	0.3364774135	-0.166725956	0.178356700
## 30	-1.180164255	0.808599878	1.3374905767	-1.136323520	0.354059543
## 31	-1.278792063	-0.860965768	-2.9092873710	-0.851421103	0.850987858
## 32	1.094895139	1.226036749	-0.1160705444	0.731121428	1.156764104
## 33	1.542264747	-0.254619004	0.8089071371	-1.164841084	0.460711012
## 34	-0.323316506	1.482736017	-0.1967470114	-0.942282285	-0.127595582
## 35	1.617946561	1.031871551	-1.4473334262	1.158247550	-0.054892200
## 36	-0.974131722	-0.496911814	-1.2135182132	1.280808142	1.115859008
## 37	-1.113511626	0.203604517	-0.5371645671	-1.667119340	1.218340724
## 38	1.039612723	1.543356700	-0.9949953656	-2.860669190	-1.593506825
## 39	-0.542362496	-1.021162406	1.4864738233	2.758248679	-0.587339669
## 40	0.577455301	-0.191704564	0.3807210217	1.107958439	-0.291440974
## 41	1.323509221	0.634661405	-0.1135429613	-0.902117596	1.520026073
## 42	-1.227584987	0.921651178	0.5888804092	-0.205188438	-1.302207133
## 43	1.325976711	0.341694708	-0.5145339026	0.982957463	0.197327352
## 44	-0.759222930	-1.096212098	0.5426696982	0.074554325	2.262516644
## 45	-2.593189139	0.387266626	-1.2240663430	0.200134147	0.539659760
## 46	1.988031648	1.829162539	1.3966169028	-0.554583659	0.511260091
## 47	0.423647270	-0.502916344	2.9531454881	-0.855440867	-0.730160038
## 48	0.496951407	0.274624705	-1.0792129516	0.814557085	0.713938034
## 49	-0.688537006	0.031837444	0.7755859362	1.212361413	0.134439369
## 50	0.163877478	-0.297994896	-1.5260095407	-1.688988603	-0.900960269
## 51	0.512410332	0.625924327	-2.0562969397	-1.630392007	0.596937297
## 52	-0.113570165	-0.060959833	-0.9167321849	-1.485966601	0.192641952
## 53	0.102998118	0.463488161	1.3993610088	-0.571912937	1.559327974
## 54	-0.042063863	0.006742664	0.6801389331	1.062767551	0.845368191
## 55	-0.346698968	-0.145166022	0.1005218398	-0.127148999	-0.422774810
## 56	-1.946636351	0.895618230	-0.7791598429	0.714023308	0.508055389
## 57	1.768875659	0.113219839	-0.6375388548	0.052556188	-0.182285671
## 58	0.482335063	-0.009515652	0.9479571667	-0.208872835	-0.113267657
## 59	0.821799957	-1.423688775	1.2593268149	0.071445005	-0.246639011
## 60	1.296847800	-0.660334015	0.1623670372	-0.864850548	-2.238764715
## 61	0.053527100	-0.990076928	-1.2713024346	1.422363097	-0.309048505
## 62	-1.913594515	0.196955910	-0.6760477793	0.184129851	-1.208811699
## 63	0.042775000	0.396532613	-1.3078838864	-0.250628059	-1.201776984
## 64	0.248113898	1.657520836	1.4322711764	-1.535199646	0.869110102
## 65	-1.236304617	0.414663248	-1.7873739865	0.651643140	-1.917951369
## 66	1.855702510	0.142903444	0.7975673018	-0.787347936	0.027007682
## 67	0.555636684	-1.171792078	1.2596549883	0.320874181	0.172260859
## 68	-0.687383018	0.184037775	0.2773575701	-0.415698736	0.353584772
## 69	1.475871906	-0.853574313	-1.0999255393	0.250474839	0.430171447

## 70	0.512341325	-0.506815098	-0.8797591322	1.008980801	0.522750111
## 71	-1.060178753	0.274948270	-0.8043521862	0.348859018	-0.580372750
## 72	1.573486892	2.005973322	1.0578487895	1.295064412	-0.972372956
## 73	-0.363049442	0.489601195	0.4295356561	-1.097177725	-0.337599284
## 74	-0.110829737	-0.521191264	-2.6598569986	0.117012479	1.171875555
## 75	0.343755384	0.932327691	-2.4534452197	-1.277112639	-0.895787071
## 76	2.717255233	-0.197528095	0.1837646521	0.623361178	-1.362375824
## 77	1.246517768	-0.263212180	0.3392144621	1.226731211	-2.265824557
## 78	0.942603323	-1.196659174	1.1326201714	-0.881807874	-0.339058753
## 79	-0.717795774	1.196931852	-0.0380844790	-0.872019439	-1.101656512
## 80	0.259655609	-0.650986315	0.8324060604	-0.170173469	-0.306750006
## 81	-2.154148682	-2.568375244	-2.1539120829	0.718621565	-0.776470136
## 82	0.543172927	0.529134034	-1.0988719871	1.675136980	0.696442329
## 83	-2.448278592	0.515246134	-0.3757721503	0.563535408	0.791960691
## 84	-1.038346165	0.704574204	1.6186471592	-1.339435821	-0.119628448
## 85	0.265130568	2.076356373	-1.0448967244	0.066440245	-0.341207771
## 86	-0.225437680	0.776998599	0.6782839003	0.781911123	-0.463640344
## 87	0.254223090	-0.020186955	0.5159490849	0.435267699	-0.576854800
## 88	-0.126834758	-0.383195436	0.4943986334	0.329754346	1.371714735
## 89	0.226783702	-1.071752600	-0.6258644845	0.096246735	-0.312894029
## 90	-0.903536591	-0.524663008	-1.0035010935	2.381677663	-0.583740335
## 91	-0.602297016	2.853504178	1.1019004897	0.019294786	0.994890226
## 92	1.340405220	0.965616875	0.6889449090	-0.546293207	-0.061657367
## 93	-0.487975613	-0.001486763	-1.9324252099	0.116282621	-0.049684167
## 94	-0.102807801	1.303121089	0.4503825362	0.039967330	0.233126065
## 95	-0.420723058	1.161258028	-2.5672826779	-1.328833460	-0.196848196
## 96	-0.701292012	-0.350808210	-1.4298922076	-0.005314358	-0.863432657
## 97	-0.280136244	-1.504956704	-0.1663201585	-0.510170486	1.666209036
## 98	0.325740921	0.389588509	2.0364699594	-0.450500809	0.427830481
## 99	-0.104673156	-0.113175755	-0.9083480334	0.287345390	1.371688086
## 100	0.021157500	-1.921869252	1.1105620935	-1.915044084	-0.923276077
## 101	1.574332939	-0.931975657	-0.2234504778	0.723530867	-0.965505002
## 102	0.008686214	0.259107646	1.0417862916	0.894373520	1.167269251
## 103	-2.308761530	0.463333801	-0.7370783651	1.882491520	-0.958399034
## 104	0.954313329	0.745976310	0.0669673159	-1.243365405	-2.373803723
## 105	1.169612311	1.275105454	1.1078633554	-0.428522577	-1.352188807
## 106	0.935891528	0.470531825	-0.8009681560	-2.476284658	-0.837251546
## 107	1.276688824	-0.889475646	1.6645632550	-0.750457492	-0.184575845
## 108	-0.302262496	1.675539035	0.7297270010	-0.270247857	-0.449415805
## 109	-0.162743626	-0.405777952	1.9068832065	1.657913484	0.180572414
## 110	1.550745948	0.525475466	0.3439894700	-1.265468629	-2.539229590
## 111	1.219964418	-2.005781730	-0.3504262067	-0.041245622	1.113223286
## 112	0.566437175	0.590391458	-0.7737459668	-0.806980317	-1.136708098
## 113	1.132761695	0.995259117	-0.9734196803	0.165799197	0.398310188
## 114	-0.683012352	0.896864097	-1.0125507888	0.618823127	-0.226582502
## 115	-0.075914132	0.028663992	-1.5403751115	-0.724508282	-0.630277532
## 116	0.342141385	0.511064080	-0.2579078729	0.407847830	1.353751327
## 117	-1.915144126	0.555854948	0.5394356024	0.950093729	0.944106105
## 118	0.804385391	0.972609759	-0.3180672441	-0.630360173	0.765241169
## 119	-1.182062855	0.465459525	0.3369190133	0.016052895	1.213607556
## 120	0.308822767	0.032591325	-0.1695995884	-0.608005545	-1.363382070
## 121	-1.393033146	-0.491477861	-0.2049327320	1.220941726	0.560453999
## 122	0.472850110	0.321443206	0.4280114049	0.110192381	-1.120847967
## 123	0.336789236	1.028508708	1.1874568786	1.563016970	0.838705729

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## 124 2.583322278 -1.003422736 1.4963765302 0.560069590 0.510516368
## 125 -0.242230826 0.253388519 0.7634685811 -0.608528578 1.341264885
## 126 -0.706268732 -0.065214973 0.6525512925 -1.487384895 -1.933057559
## 127 1.077316244 0.137179862 0.4463141179 0.462796182 -0.263298834
## 128 -0.575309194 0.401694325 -1.5032019689 -0.308957293 0.461354940
## 129 1.007116760 -0.705401785 0.8755388816 0.449134880 -0.486111211
## 130 0.680971863 -0.717183559 0.7587550898 1.883027205 -0.106062433
## 131 0.581626269 -0.488804643 -1.4865158996 0.057089420 0.091297134
## 132 -2.008648903 -0.615046357 -1.0280449353 0.611661963 0.771791458
## 133 1.042146858 -0.301703961 0.7773878044 -0.079810193 -0.159134158
## 134 -1.026939738 0.522937997 -0.1024941607 -0.474758972 -0.867088849
## 135 0.388285315 0.397341337 0.7191419505 -0.757575168 -0.768547885
## 136 0.273474910 2.242198983 -0.1617309956 0.695934214 1.248884932
## 137 0.504704738 -0.572612792 -0.6030503470 2.407695941 0.897818582
## 138 0.452069422 -0.394373084 0.5271044716 -0.027562531 -1.435710366
## 139 0.496364404 -1.191208684 0.0753285515 1.836181335 0.023681849
## 140 1.753551579 0.267577133 -1.2416389634 -0.465668049 -0.379991408
## 141 2.670445181 0.553708679 0.4791706817 0.072423836 0.159323351
## 142 0.788162713 -0.347345239 0.7729229300 -0.519799695 -1.189993812
## 143 1.400104128 -0.504132219 -1.6952869291 -0.174389620 0.019079625
## 144 -0.229866231 -0.417880409 -0.3061682432 -0.146593694 0.106121008
## 145 -0.383740522 -1.917221981 -0.2248389476 -0.414359118 0.271046079
## 146 -2.238400048 0.708219452 0.6591049499 -0.976789676 -1.453373026
## 147 0.291765112 -1.528599158 1.0099805081 0.355156249 -0.599766604
## 148 -0.919256329 0.550257434 -0.8497647174 0.787572142 -0.856134395
## 149 0.131829519 1.820055724 1.5879507095 1.111897278 -1.085608209
## 150 -1.867042635 -0.780593545 0.7482879456 1.821504086 0.572030838
## 151 1.931228978 -0.233818335 0.8931814214 -0.046824108 0.255774897
## 152 1.460473973 0.429769159 0.4915457900 1.409916686 -2.866057846
## 153 0.043231875 1.406512751 1.9324834729 0.747228680 -1.124319628
## 154 -0.417801618 -0.394681989 1.2212988315 -0.426410096 0.303816720
## 155 2.049665781 -0.184939470 -1.1325245433 -0.720016015 -0.969942578
## 156 0.470773889 0.582473250 1.3156306589 -0.362118398 1.022392630
## 157 0.094194387 -0.690225228 -0.2447966208 0.125649895 0.737392579
## 158 -0.167721101 0.165380020 -0.8362180254 0.321182516 1.266674503
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## 162 -1.019733103 -0.244900251 -1.5659523264 -0.950570164 0.065606327
## 163 -0.665362758 0.626550911 1.5610973630 -0.653204313 1.099889772
## 164 1.443861088 -0.538790660 -0.3906370345 -0.515139578 -1.526624108
## 165 -0.054328502 0.391942124 -0.2956559468 0.688299263 -0.382209466
## 166 1.035768928 -0.246402417 -1.5111633818 -0.791071541 -0.481349219
## 167 -1.148705216 0.322129717 0.9941198558 -0.037246697 -0.795028009
## 168 0.466219610 -1.770581148 1.8673696318 -0.471663858 2.084914507
## 169 -0.846988836 1.083150096 -2.3645272964 0.184225386 1.280955197
## 170 -0.116308995 0.089325218 -1.2029936771 -0.267537260 -0.209499406
## 171 -0.961540569 -0.822518707 0.7356211657 -0.342450288 -0.579252625
## 172 -1.171153305 1.726455535 0.7821187635 -0.129224198 0.726303974
## 173 -0.256426037 -0.813677919 -0.5238309895 -0.485701476 -0.973065638
## 174 0.200740858 1.076933676 -0.7648103301 -1.579997094 0.727366766
## 175 -1.452734681 1.538569502 -0.3112652235 -0.403081039 -0.556942782
## 176 -1.479192573 0.039898978 -1.0869422103 -1.310487761 -0.280799410
## 177 -1.194698019 -1.961930471 -1.0294992977 -0.478632455 0.590419056

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## 178	0.950557243	1.814869333	-0.8547453260	-0.333246173	0.443533194
## 179	-0.884452002	0.177887990	-0.3306376147	-0.281240614	-0.677661039
## 180	-0.190239001	-0.183813878	0.2627683230	-0.467946249	-1.135154444
## 181	0.450165081	0.795703073	-0.8277469193	0.994851804	-0.258447701
## 182	0.530488446	2.284858684	0.8572510360	-0.345676184	0.737897047
## 183	1.442350437	1.496077450	0.8526590284	-1.317944574	0.333733684
## 184	-1.851360706	-1.441060464	-0.5233856087	0.591556158	1.188345410
## 185	-0.512630729	1.688001457	0.4622727221	-0.540830904	0.121123398
## 186	-0.331441833	0.408112958	1.4200760599	0.362382213	-0.505575487
## 187	-0.256402690	1.950330278	-0.2214846534	-0.909963949	-1.075875333
## 188	0.033215411	1.639276367	0.0161899797	0.015378350	-0.639778314
## 189	0.904720030	0.675921207	-0.1577381302	-0.035079585	-0.929999036
## 190	-1.082015688	-0.527345836	-0.5952639081	-0.381871829	-0.528475000
## 191	-0.466561256	-0.207545006	-0.2192805487	-2.065662017	0.599497197
## 192	2.056726108	-1.751027658	1.0703873824	-0.669226204	0.008701538
## 193	-0.506897030	-0.313763597	-1.2032784222	1.322360049	0.035454061
## 194	0.034754766	-0.555386976	0.0019151166	-0.650812913	0.567801540
## 195	-1.183903085	0.767647764	-0.0161078600	-1.331066961	1.234715821
## 196	0.815479693	-1.373368288	1.7705582749	-0.182730592	-0.957724792
## 197	-1.057229969	-0.245037911	-0.3762076365	-0.908585921	0.767766105
## 198	-1.042516149	0.618148790	-0.7762653983	-0.896736145	-0.624370944
## 199	-0.556695189	1.669092780	0.9745720013	0.250563341	-0.431722729
##	V161	V162	V163	V164	V165
## 1	0.760704380	0.448357700	-0.967519827	-0.367049263	0.491545503
## 2	-1.985850360	0.948527571	-0.728845822	0.159284086	0.119707684
## 3	0.073224872	-1.283994344	-0.224031027	-0.797696926	1.091794829
## 4	0.976363075	1.627000301	0.547696764	1.373388666	-0.001756524
## 5	-0.804597418	-1.752201529	0.653652165	0.608414179	-0.175861968
## 6	-2.126264534	-0.376614709	-0.329067328	-1.371445685	0.290923401
## 7	-0.281548141	-0.549823576	0.337886383	0.102099591	1.188095824
## 8	0.373129998	0.369058796	-0.031852158	1.829426868	-1.283010966
## 9	1.456302628	-0.166584565	-1.470409268	-1.052332143	0.876895589
## 10	-0.378043258	0.306169595	0.039263093	1.168062814	0.818653679
## 11	0.256484419	0.655918264	-0.431753737	-0.043357993	-1.081743387
## 12	0.139947994	0.924524525	-0.789961038	1.301414181	0.246344198
## 13	-0.208867995	1.281523965	0.540006516	-0.276479262	-0.474192701
## 14	1.066622540	-0.915887499	0.197692065	-0.772041672	0.015999123
## 15	1.183720130	0.561843151	0.251567366	-1.031999137	-1.474128803
## 16	-0.083525818	0.807217357	-0.363390248	0.543292573	-1.397796313
## 17	-0.723092887	-2.702817981	-0.860193675	-0.378791824	-0.203248624
## 18	-0.946500577	-0.793073190	0.728703890	1.375560054	0.225024040
## 19	-0.809757245	-1.059494164	-0.885278823	1.794945872	-0.287144130
## 20	0.422477950	-0.049189257	-0.664657740	-0.491103128	1.044585882
## 21	-1.682707901	-1.597989454	0.007038635	-0.798169301	0.753404996
## 22	-0.930853634	-0.115592119	0.290257607	1.547794810	0.048135184
## 23	-1.576466982	-0.130080236	0.793651462	-0.163128932	0.444683308
## 24	0.116773011	1.051878984	-0.502869792	-0.455075921	-0.050872521
## 25	1.478298570	0.827713787	0.452094009	-0.258471562	0.955314783
## 26	0.404817334	-0.601293522	-1.749917775	0.086884492	0.747099762
## 27	0.144132121	0.095771440	-0.575281747	1.545773566	-1.532570338
## 28	-1.591578364	-1.225305000	0.693918524	1.840845150	0.560410507
## 29	-0.173520205	-0.779270342	-0.600300235	-0.002180381	2.335325783
## 30	-0.619912046	-0.505075711	0.554575284	0.572342913	-1.430929155
## 31	-0.187496765	0.167480964	-2.208667682	0.076103939	0.602201582


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## 32  0.129515171 -0.130586924 -0.198945342  0.504582372 -0.198725186
## 33  0.029378771  1.559369524  0.359478972  1.325050784 -0.417573262
## 34 -0.884534665 -1.170999208 -0.299914895  0.143254731 -0.879764704
## 35 -0.609007044  1.268700236 -1.542840225  0.808161251  0.193706821
## 36  1.301848128  0.709028315 -1.399073543 -0.144623708 -2.206784238
## 37  0.904038634  0.014720712 -0.315496050  1.210546483 -0.621600855
## 38  0.442952234 -0.575547993 -0.381590701 -0.535188473  0.083596363
## 39 -1.017277454  1.015972041  1.143439395 -0.112505119 -0.521242354
## 40  2.174446746 -0.324365155  0.708421635 -2.018177934 -0.122919652
## 41  1.487230660  1.135057994  0.518656152  1.890399795 -0.872882012
## 42  0.803252818  0.070095485 -0.383904827 -0.228099818 -0.873788797
## 43 -0.216775712  0.113537776 -1.050628755 -0.391298669  0.474494922
## 44  0.055330797  0.338722371  0.565284094 -1.944093843 -0.950613416
## 45 -1.824633890  0.056531470 -0.763244802 -0.142621395  1.726095685
## 46  1.592662614  0.074668449  0.501633330 -0.198266239 -0.555813779
## 47  2.718156706 -2.121878300  0.100896667  0.042646649  0.195685211
## 48  0.606698234 -0.956087768 -0.082603813 -2.152483404 -0.313779880
## 49 -0.088573600  0.204174202  0.448477181 -0.379134110 -0.476437336
## 50 -0.624669645  0.752990834  1.240470478 -1.595476537 -1.201617892
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## 52  0.182377063  1.411513228 -0.817420722 -0.883302847 -1.193969401
## 53  1.128172154  0.998049848 -0.591698376 -0.641221945  0.095292307
## 54 -0.394778097 -0.901380437  0.568981574  4.027644537 -0.139427063
## 55 -0.574062375 -0.711016615  0.365694915  0.944766419  0.827760107
## 56  0.512273369  0.959079680 -0.867372658  0.642831550 -0.917227589
## 57 -1.626553900 -1.479453241  2.232871707  0.205387272  0.146916066
## 58  1.185737790  0.569012824 -0.945708366 -0.655768333 -0.278759314
## 59  0.465864984 -0.317101347  0.600136634  0.131579319  0.041121568
## 60  0.093257133  0.615240967 -0.482928462  0.492090943 -0.379956809
## 61 -0.478233843 -0.470008264 -0.586804364 -0.930458905  0.205300305
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## 76 -1.356728966 -0.789362519 -0.965815104  0.390955681 -0.110322312
## 77 -0.913480824  0.365787260 -0.603882608 -0.874681609  0.408306145
## 78  0.948137856 -1.327731812  1.182296187  0.430244615 -0.237182169
## 79 -1.633142219  0.960411481  0.473580548  0.354173096  1.185699628
## 80 -0.295693850 -1.347164122 -1.070988248  0.710199940  1.186138282
## 81 -0.308362714  0.626695212  0.229017163 -0.331522852 -0.507921228
## 82 -0.749186465  0.150703652 -0.556334726  0.415907335  0.757992732
## 83 -0.514184099 -0.935486429  1.536648884  0.746794325 -0.868371898
## 84  0.880991105  0.678149257  0.059903403  0.243833878  0.429455275
## 85 -0.963363516 -0.575128207 -1.306279653  0.349623409  1.058177655

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## 86 0.398644274 -1.125248317 -0.762220384 -1.307599220 -0.329855611
## 87 -0.655091385 0.804017955 -0.068457549 -0.086823785 -0.270392074
## 88 1.342826608 1.616761657 -0.914237403 -1.115459719 -0.472170492
## 89 -1.371611402 1.310548950 0.187023145 -0.232278061 -0.042565607
## 90 0.058827143 -0.396699425 1.120895686 -1.200243795 -0.819304001
## 91 0.477146188 1.477007597 1.801275838 -0.756029888 -1.275055851
## 92 -2.028203623 1.859681027 -1.699975418 -0.342833039 1.578578531
## 93 -1.197635715 0.209573210 -0.580550631 -0.528683997 1.315010900
## 94 0.340117355 -0.098487864 -0.673917689 -0.083799089 0.620257035
## 95 0.786249290 -0.822733396 -1.107515745 0.017499159 -1.259640271
## 96 -0.742927035 -1.506364306 -0.147821389 0.081954269 0.182160031
## 97 0.930702489 0.361946941 0.203675299 1.791377939 0.120541891
## 98 -1.004200705 -0.462446158 0.855040025 -2.397595358 -1.996893392
## 99 -0.394042266 0.516172346 -2.155737767 -0.558650051 0.521981856
## 100 -0.919609106 -0.137714617 -0.590625916 -0.866253508 1.342437936
## 101 0.037051049 1.892296169 -0.935515410 -1.248256570 0.877733777
## 102 0.706239951 -0.261939155 0.548633962 -0.237111954 -1.757078700
## 103 -0.152364451 0.520908218 -2.008443434 0.173499514 0.167075156
## 104 0.072018664 -2.433266458 -1.009365344 -1.291640162 -1.039592659
## 105 -1.098010733 2.014082282 -1.089432460 1.490353515 0.557255172
## 106 -1.292869238 0.534991641 -0.946880123 0.078350349 -1.786238842
## 107 1.043422647 0.863033833 -0.513067212 -0.071710112 0.603120163
## 108 -0.799805005 -0.048268853 -1.561350435 0.734518863 0.565174595
## 109 -1.246002712 -1.128943998 -1.979002604 -0.365794238 -1.152853241
## 110 0.140060847 0.749816517 0.864685700 -0.164171179 -0.637841984
## 111 0.877063654 -1.015156419 0.467773801 0.329290967 0.948246178
## 112 0.373166144 -0.703841223 0.262601298 0.120450935 0.778134541
## 113 -0.626709346 0.235836716 -0.910455119 -0.340400094 0.586288689
## 114 -1.263917191 -0.894317356 0.553924798 0.568756488 -0.229842424
## 115 -0.768065619 -0.184866810 1.779599399 0.574004228 0.549644136
## 116 0.489829674 0.954078875 -0.583540737 -1.233570714 -0.625433010
## 117 -0.879970380 -0.019222361 -0.706477888 -0.076562071 0.587826714
## 118 0.924796081 -0.065585498 0.327521544 -0.246085465 0.682977002
## 119 0.499583092 -0.731686175 1.478082286 -0.367450187 -0.813300726
## 120 -0.148462399 -0.096018136 0.240933601 0.715610435 -1.082393694
## 121 0.795851253 0.567703019 -0.948842738 -0.781632722 -2.119272766
## 122 -1.111414487 0.947591991 0.329515440 -0.912800931 -2.497652671
## 123 0.379465950 0.161684698 1.223550767 -0.241007436 0.758301245
## 124 -0.319416841 -0.355040948 0.988071924 2.319992029 -0.740326846
## 125 0.077498402 2.760956983 -1.811382095 0.147660294 0.639698151
## 126 -0.736338896 1.866930123 -0.898031685 -0.077614945 -0.333066021
## 127 -3.050449387 -1.366399701 0.342056343 1.088185116 -1.118915671
## 128 0.009088882 -0.331631086 -0.540776635 0.845338826 -0.671104255
## 129 0.919092487 -0.341411365 -0.412135348 -0.635603198 1.161031897
## 130 -0.575790789 -0.175553809 0.071067667 0.376864603 -2.770285014
## 131 1.402304329 -0.821872473 -0.549097033 -1.141395061 -1.308458745
## 132 -0.707833096 -1.001797864 -0.260267006 1.217738743 0.142123019
## 133 2.139138557 -0.590389858 1.038404645 0.226137892 -1.524191648
## 134 1.525708089 -0.641977568 -1.320013991 -0.331838467 0.700817753
## 135 0.527649336 -0.916571144 -1.259211619 0.061674897 2.036740346
## 136 1.014611735 1.586024188 0.260282164 0.364152752 -2.476035459
## 137 1.990060692 -0.650592609 1.159351812 -1.814354957 -0.268183384
## 138 0.666532593 -0.008851345 -0.878053143 -0.853814507 -0.754015969
## 139 -1.946118195 0.517807737 -0.289480016 0.766558672 2.338909114

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## 140 0.506686918 -0.306737523 -0.190092663 -0.394710199 0.633072700
## 141 1.411275994 -0.712674910 0.193856364 -0.550881598 0.808318426
## 142 -0.530524683 1.240805436 0.825149347 -0.540853668 -0.187172843
## 143 -0.226760782 0.574007215 -0.398161820 0.581550181 -0.337721123
## 144 0.184505501 0.260710796 0.392851209 1.637871075 -1.050089883
## 145 1.186158766 0.218673472 -0.181565684 0.886077429 -1.373860461
## 146 -0.919894903 0.400225035 -0.551533161 -1.419191109 1.765366676
## 147 -0.086174798 -0.087721623 -2.046547633 -1.055866416 -0.611188644
## 148 -0.237341387 -0.765263950 -0.951626464 -0.753949819 1.266291927
## 149 1.201579557 -1.746946035 -1.206974549 -1.006275381 1.429131993
## 150 -1.529090031 0.984736061 0.967836292 0.475354815 -0.422752023
## 151 1.138669282 -0.353899425 -0.043334971 1.536878198 0.495446000
## 152 0.808086070 0.479062880 -2.138716050 -0.347257162 -1.353604311
## 153 0.097871277 -0.731202545 0.567194883 1.003164422 -2.570302570
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## 155 0.716945519 0.924620851 -1.155555593 -1.339055439 0.913492837
## 156 0.789040016 1.137104969 0.093296315 1.037079219 -0.480173281
## 157 -0.568170364 1.452487496 -0.120593281 -0.616315647 0.471853135
## 158 -0.728650814 0.281970703 -0.725988894 -0.082451968 -0.406789448
## 159 -0.805647244 -0.918483642 -0.982089017 -1.532988113 -0.309376317
## 160 0.459932077 0.443985521 -0.221892833 -0.384369399 -1.188619438
## 161 0.207307386 0.161486309 -2.144067949 0.845027641 1.815862879
## 162 -0.469881959 0.660642460 -0.538358641 1.289083403 0.096314566
## 163 0.685642670 -0.343992314 -0.898896266 1.257873323 1.544142738
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## 165 -0.039327462 0.021205498 0.986700030 -0.014988537 -1.453553983
## 166 -0.275948620 -0.133455329 -1.007408721 0.137694693 -0.609618211
## 167 -0.013255142 -0.065432175 -1.308767166 -0.767616879 -0.277872666
## 168 -0.645011183 0.588776021 1.271460748 -0.658453218 0.373047652
## 169 -0.765465029 -1.179454261 0.121962199 1.736920088 -0.392156048
## 170 -1.627557492 0.590264323 1.157663050 -0.951349553 -2.470810956
## 171 -0.813975838 -2.133571959 -0.586277748 -0.387681052 -0.549570796
## 172 0.326939405 0.098800320 -0.627555945 0.044889016 -0.612043268
## 173 -0.732429592 -0.052628709 0.321009461 0.948913056 -0.426096747
## 174 -1.341230837 -1.225971482 0.370778537 1.489024462 0.329765810
## 175 0.312404643 -0.771467995 -0.963122625 1.052860184 -0.816850498
## 176 1.731257566 0.318251872 -0.159707350 1.120928360 0.887445719
## 177 0.991424474 1.994787545 -0.414137068 -0.098764191 2.580456057
## 178 -0.136383903 1.227493545 0.598990429 1.254896753 -0.174353217
## 179 0.741484574 1.190497170 -1.349202222 0.387365506 1.478339443
## 180 0.056371161 -0.521170598 1.579955455 -0.051673373 -0.322232173
## 181 -0.812046902 0.981800989 -1.467019249 0.054861225 1.048053771
## 182 -0.013930386 -0.471690766 -1.099584263 -0.162950127 -1.983300578
## 183 0.284423032 0.515585224 0.784598462 -0.462793748 -0.748034805
## 184 -0.565429120 0.168261155 0.874035109 1.440826853 0.608010185
## 185 0.736849100 -1.116170351 0.199046998 -0.672262026 -0.850275872
## 186 0.382452152 -1.889185617 -2.133188004 0.203017771 1.189266358
## 187 0.225935771 -0.892203288 -1.922167038 -0.432171774 -0.719917456
## 188 -0.263916014 0.055978726 0.732044471 0.111673522 0.045752415
## 189 0.719544728 -0.671468676 0.691090612 0.504326249 2.483107323
## 190 -1.402419325 1.545460659 0.883669362 -1.600732633 0.103424912
## 191 -0.345346206 -0.780899699 -0.472888637 -1.989271778 0.928335005
## 192 0.639573686 0.437322259 -0.145073556 0.815840481 -0.192623507
## 193 -0.216701676 -0.624044819 -0.976580151 1.204814991 -1.162156247

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## 194	0.552121562	1.049085421	0.179119076	2.040117362	-0.273042974	
## 195	0.908756843	-1.160035174	-0.081265334	1.001500105	-0.530374866	
## 196	0.530968917	-1.358391008	-1.289757148	-0.227121561	0.261152643	
## 197	-0.868184123	2.071790456	0.413830414	0.632480655	-2.137519849	
## 198	-0.114547624	-0.502682874	0.240357820	1.461148341	0.309153333	
## 199	-1.184693130	-1.026254342	-1.129076386	2.205737082	0.512595766	
##	V166	V167	V168	V169	V170	V171
## 1	0.036914144	0.29018356	0.644981045	0.802342215	1.15307535	-0.507912349
## 2	-0.736372045	1.44110454	-1.819219891	1.256982092	-0.17877013	0.238297970
## 3	0.345972912	-0.27305571	-0.756038082	0.826662405	-0.11244330	-1.294985070
## 4	-0.320328956	-0.17836624	1.055777629	-1.376086362	-0.86293494	-0.043441495
## 5	0.698241245	-0.92971226	-0.178478970	1.414576300	0.23246916	1.283611847
## 6	0.838348860	-1.89950044	0.634712188	-0.071331162	-0.52874090	-0.229239518
## 7	1.298917455	0.21574346	1.756867527	-0.709667377	0.63461314	-0.581342582
## 8	-0.960007362	-0.30198590	-0.588240685	0.215057652	-0.16056190	-0.400169115
## 9	-0.069209299	0.48981307	-0.648088019	-1.712018891	-0.23351371	-0.655003261
## 10	0.560965851	-0.07923793	-0.417838671	-1.547741201	-1.21200727	-0.255977148
## 11	-1.182913645	1.10678597	-0.691433150	0.941653471	0.56823698	1.450852909
## 12	-1.264541994	-1.29322780	0.527241865	-0.610222539	-1.16065316	-0.631942351
## 13	-0.725346876	-0.60030334	-0.043315950	1.197644910	-1.02297121	0.163737927
## 14	-1.662992135	2.51533184	-0.422640291	-0.295871341	-0.36529038	0.730586680
## 15	-1.467277630	-0.96889489	0.262459203	0.238230363	-1.28688229	1.003213697
## 16	-2.332368265	0.03963323	-0.125907775	-1.797314764	0.98944382	-0.402845987
## 17	0.603047653	1.30978411	-0.436318629	0.886372454	-0.60546465	1.240390864
## 18	-0.407463128	-0.33932579	-0.685272230	-0.548321919	-0.37324956	0.696668263
## 19	0.726302514	-2.30853137	-0.109929472	0.456323908	2.21014310	0.303210593
## 20	0.182286846	-0.38975211	-1.018905939	-0.309341944	1.00043985	-0.751168354
## 21	1.894006956	0.16971253	1.237219504	0.231228183	0.29956534	2.362288026
## 22	-0.468983661	0.39108897	0.487041699	1.607987658	-0.51539199	0.055322300
## 23	0.372407528	-0.42039783	0.524310491	0.901070675	0.28504220	0.028536589
## 24	0.782274114	0.22532416	-0.608653288	0.485162321	-1.53259913	0.904230392
## 25	0.162030683	-1.69223804	-0.425418375	0.596938575	-0.90840316	-0.416044926
## 26	-1.436745497	0.84803626	-0.398058611	-0.500754288	-0.75563154	-0.229524144
## 27	-0.400514804	-0.29498587	1.095112606	-0.036316224	-0.16713120	-0.921302493
## 28	-0.245707122	-1.33028272	0.063028116	-2.245052384	2.60289687	-1.436220875
## 29	0.793758666	0.95880951	-1.205249952	0.594488961	-0.72274801	0.952474051
## 30	-0.159697565	-0.50472879	0.670502648	-1.356379129	1.60343179	1.120445026
## 31	-1.556144640	-0.31363784	-0.467320919	0.071738693	-1.62199253	-0.892659631
## 32	0.203740589	-0.08173235	1.439802549	0.273270362	1.59192734	-1.005365493
## 33	-1.146893787	0.23948757	0.130464122	2.247880739	-0.65585920	0.973441275
## 34	1.237051429	-0.47249249	-0.142082726	-1.085737026	1.30076521	-0.385605705
## 35	-0.063346668	0.18375755	0.357674859	-0.391680528	1.41351544	-0.614479223
## 36	0.443993496	2.17986141	0.515035569	-0.839669841	0.59480457	-0.778834592
## 37	-0.103068711	-0.23010296	-1.673991941	-0.446788579	1.59839637	-0.124976389
## 38	0.557081554	1.21758405	-0.088903363	0.530453790	0.34818117	2.703875696
## 39	1.830682195	0.91412517	0.659871074	1.683511224	-0.80748568	-0.640795143
## 40	-0.002352995	0.17694351	-1.015288714	-1.416919989	-1.51365469	-0.203988167
## 41	0.727617482	-0.72261731	1.113326633	-0.043146524	0.36612307	0.925501259
## 42	-1.081955495	1.25861430	1.586242549	-1.944822310	-0.40101898	0.443206638
## 43	-1.034902770	0.86337894	0.987424887	0.885924175	0.30013412	0.060508122
## 44	0.630875250	0.75650933	-0.127818152	-1.154270798	-2.80470750	-1.021317799
## 45	-0.180193041	-0.98122948	-0.415068346	0.938370325	0.22577964	0.865481043
## 46	-0.726544528	0.04613521	0.213755907	1.263277453	1.23864201	-1.059955430
## 47	-0.499012942	0.12727263	1.811151442	0.894722213	0.74684735	-0.078969304

## 48	0.215322266	0.86582679	0.279733614	0.291342640	-0.19095355	-0.296902976
## 49	-0.377143608	1.26077923	0.968032883	1.629823744	0.65980359	-1.600998663
## 50	1.111517780	-0.74884548	-0.488111897	-0.747386571	0.21263038	-0.221337431
## 51	-0.375204077	-1.19320365	2.751406250	-1.293084325	-2.88092226	-0.863078219
## 52	0.094289554	-0.70873626	-0.680807660	-0.388948691	1.68365753	-0.823650713
## 53	-0.626367376	0.04181785	1.230329942	-0.792028316	-0.90608468	-1.546499607
## 54	1.104720844	-0.33619297	-1.258659704	1.252305581	1.82605863	-1.989024812
## 55	0.746094408	0.30114085	0.594903166	1.745382714	-0.44159569	1.265521744
## 56	-0.458974736	-1.96931707	-0.350630842	-0.170794132	0.59774517	1.319075994
## 57	0.504348297	0.20472759	-0.870162872	-0.740494558	-0.82261786	-1.490045438
## 58	-0.801000161	-0.65115523	0.631469143	-0.106996768	0.15631364	-1.663955766
## 59	0.200379672	0.90306859	0.856723499	0.402046172	0.18070398	0.739981510
## 60	-0.836225196	-0.41734049	-1.597063049	-1.106110405	0.57856240	-0.793013826
## 61	-0.088355546	-0.72426320	0.041368946	1.584662329	-1.75374453	-0.740215390
## 62	0.103360356	1.99098626	0.497929581	-1.136642151	0.83670877	2.401962006
## 63	0.906812697	0.35876535	0.683615745	0.725237341	-0.55069341	-0.730693772
## 64	-0.036628713	0.66077498	0.026766011	-0.671887582	0.59544173	0.903587458
## 65	-0.380128373	-0.39133347	1.072739846	1.433791661	-0.94459792	-0.016941432
## 66	-0.518080698	-0.43157743	0.093251740	1.650714705	1.73771583	-0.011334885
## 67	-1.449993154	-0.77652607	0.002946501	0.083843373	0.12065842	0.808868911
## 68	-0.144447035	0.05282303	0.960173687	0.315805083	1.04076567	-0.371393204
## 69	0.205266590	0.29919719	0.328738191	0.392646445	0.61009190	1.049133271
## 70	0.205313066	1.90665532	-0.442534972	1.000537935	-1.10608668	-1.393642339
## 71	-1.180076595	0.08108455	-1.276050161	0.127742181	0.26277735	0.335360045
## 72	-0.912305124	0.27507526	0.221457686	-0.395789382	-0.03916383	-0.321019471
## 73	0.131939173	0.94893651	1.046458106	-0.508222175	0.84923773	-1.281218947
## 74	0.007292282	0.82147428	0.726328372	1.232044875	2.60273004	0.940339290
## 75	0.375948011	-0.84593901	0.956833520	0.471954026	-1.43172922	1.689796455
## 76	-0.091905698	0.21708269	0.169260633	0.419418706	-0.30097141	-1.413340906
## 77	-1.018505289	-0.24679063	-3.069539419	0.146816708	0.53826716	-1.156673808
## 78	-0.254813918	1.59962741	-1.881715839	1.645207089	-0.16225800	1.083462689
## 79	-0.175360687	0.20084630	0.093282179	1.013009559	-0.42894779	-0.228753330
## 80	1.263920499	1.41498383	-0.928560715	-1.176988666	0.47642178	-0.838118660
## 81	-0.039393774	-0.80494195	-0.652576440	-0.420158665	-0.50205688	-0.850448015
## 82	-1.099573761	-0.21193151	0.929115940	1.988813044	0.18388402	-0.488199558
## 83	-0.144750872	-0.57233246	0.230431703	0.125693681	-1.26467086	-0.002261585
## 84	-0.999844893	-1.35731905	0.818976567	-0.198802398	0.18730985	-0.166544796
## 85	2.239115173	-0.50529310	0.865595728	-0.329935570	-0.34510755	-0.455740637
## 86	-0.404941230	0.40828590	0.739365075	1.336458375	-0.54596668	1.174874187
## 87	-0.085432015	-0.24966896	-0.161001916	-0.006168245	1.64601032	-0.936798295
## 88	0.116451398	-0.09571996	-0.704286925	0.925980376	-1.36170267	0.136369683
## 89	-1.804374237	-1.37684443	-1.029480666	-0.574532441	-0.61460655	-0.334330225
## 90	-0.065556376	0.42420468	0.310069841	-0.252220341	-0.76075832	0.148868035
## 91	0.488913304	-0.23382202	0.400507952	-1.527448085	-0.61838027	-0.963996702
## 92	-0.242903611	1.25333722	0.108975784	-0.502212450	-0.74520100	-0.001448858
## 93	1.030358993	0.56943246	1.429626856	-1.377927176	-0.23099499	-0.014701909
## 94	0.315242602	-0.26223649	0.657405497	-1.626526926	-0.69376053	-2.281418732
## 95	-0.491157549	1.75047590	0.321351675	-0.994464466	-0.60962648	0.427622523
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## 98	-0.608298417	-0.40313082	0.295468561	0.030548343	-0.83592097	0.129789205
## 99	1.803847974	-1.06779846	-0.413306513	-1.223349715	-0.24076790	0.356020042
## 100	1.574762664	0.25529714	-0.983921231	0.947623370	-0.52744201	0.739375016
## 101	1.508572835	0.78987956	0.376016059	0.818088141	0.33729525	0.106392666

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## 102 -1.101415725 -3.04802091 1.634907032 -1.876311502 1.26655099 0.229232790
## 103 0.809797083 0.13089488 0.088897423 0.521065192 -1.30416612 -1.513341453
## 104 -2.190405181 -0.99488297 0.074210193 -0.466244315 0.94660436 0.370125221
## 105 0.065992580 -0.49767366 -0.586285705 0.348450376 -0.07932095 1.991197420
## 106 0.466389053 -0.35265855 1.042947071 0.977367662 -1.25017398 0.891935129
## 107 -0.455681361 -1.88173370 0.795847576 1.227697166 -1.12359068 1.303163892
## 108 1.322196282 -0.06663473 -0.848668000 -0.758442125 0.02541790 0.126208028
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## 110 1.729105192 0.71467039 1.797762684 -1.142491922 -0.40640200 -0.177443702
## 111 0.219604410 1.49380821 0.439826210 1.715350985 -1.96672413 -0.903921184
## 112 -1.864160507 -0.62790132 -1.383986816 -0.229420543 0.88857655 -0.756595236
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## 114 -1.064422715 -0.23714864 1.128778423 0.381646409 0.51580314 0.454651848
## 115 0.100238903 0.89739861 1.392021917 -0.389540888 1.37049615 0.192545488
## 116 -0.106769599 1.38398914 -0.683883032 0.437385563 0.69499142 -1.494364207
## 117 0.060993688 0.62836429 -0.521628690 0.406316080 0.82237712 0.705928943
## 118 -1.390612107 -0.47908382 -0.473026752 -0.465225339 -0.82224606 1.412471306
## 119 -1.466838612 1.50393239 0.360649504 0.801609853 -0.98348984 0.619685070
## 120 1.832374068 -0.92926092 1.040258420 -0.955142589 -0.28313742 -0.851114494
## 121 1.795621229 -0.47626205 -0.673097575 -1.082371856 0.64490848 -0.121803861
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## 123 -0.262978117 -1.05273667 0.250560305 0.845399291 0.53106467 0.198826132
## 124 1.651545934 0.23385908 -0.536720392 -0.020368529 0.71827476 1.270472445
## 125 0.645795979 -0.45731862 -1.046307522 -0.740139509 -1.18218968 3.003237515
## 126 -0.774308661 0.91608963 0.284375743 0.193095412 -0.25739360 0.790021087
## 127 0.311449784 -0.59986826 0.741878940 -0.115775517 -1.73406131 -2.194910389
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## 129 -1.082389988 2.15086023 -0.593515139 -1.287884032 -0.48560662 0.501711833
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## 132 0.419887571 0.90355668 -1.031435575 -0.846527030 0.49964729 0.642329063
## 133 0.088261922 -0.21740939 -0.215341332 -1.206670647 0.03590009 0.863711406
## 134 -1.734687947 -0.11553508 0.071881959 0.758515155 -0.62945128 1.431844828
## 135 -2.678696130 -0.56784581 -1.282926849 -1.916777364 -0.85974966 -1.326042113
## 136 0.058435344 0.94824993 -1.757402711 -0.940886274 0.07689762 -0.698204777
## 137 -1.592281354 1.05140778 -1.606348098 -0.798714645 -0.68841181 -0.163282654
## 138 -2.650474269 -0.13019129 0.546728070 -0.077468681 -0.78574166 -0.166697190
## 139 -0.766673183 -1.70531336 -0.015260552 1.120004051 -0.43886194 -0.300256861
## 140 -0.176439771 -0.02008223 -0.179652707 -2.378223089 0.11350926 -0.220201173
## 141 1.298164602 0.63799531 -0.658399470 0.754782979 0.28936849 1.536410813
## 142 -0.801305078 0.07955204 0.281308689 1.538799518 0.46814090 -0.381934921
## 143 0.482160096 0.05927002 -1.201874458 -0.213371468 1.16281686 -0.189356256
## 144 1.325804867 -0.27596060 0.305382169 -0.165153090 -0.95163087 1.595139727
## 145 0.636286171 -0.78416999 -0.683166410 0.690168789 -1.56597064 -0.312265381
## 146 -0.925883929 0.02791318 2.075440921 0.427786755 0.20337588 0.607834796
## 147 -0.321559434 0.59292887 0.233934550 0.479601697 0.92029827 -0.903697808
## 148 -0.674834671 -0.20841109 -1.588492715 -0.206334631 0.39143947 0.595982879
## 149 -0.184037499 -0.68277957 0.748098406 0.344491758 -1.27990813 -0.144834682
## 150 -0.522442059 1.01051620 0.820318244 -0.583076977 -0.48950315 -0.696194470
## 151 -0.858410565 0.54584000 0.810029687 0.170057690 -0.55674105 -1.598566888
## 152 -1.311433456 -0.01085603 0.914000415 0.045510750 -0.55561795 -0.196055347
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## 154 0.613752808 0.25337969 -3.409631557 0.276908499 0.54742010 -1.245285889
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## 156	1.707314474	0.53555134	-0.046358817	0.720789749	-0.56128304	1.167250353
## 157	-0.478658219	-0.06399020	-0.478819384	-0.220182892	1.09884486	-0.301029891
## 158	1.267886258	0.58893758	0.649781615	0.252503512	-0.90751899	1.209588476
## 159	0.113500519	-0.16594210	-0.855148791	0.891496061	2.48895113	-1.419979854
## 160	-0.020854162	0.64569524	0.272377562	0.402475271	-1.35427329	0.134551756
## 161	1.335965622	2.05459466	-0.564359713	-1.316944214	-1.49687087	0.580134417
## 162	0.317676373	0.30049863	-0.632183571	-0.033478118	0.57772457	1.285377016
## 163	-1.625152120	-1.12957773	-1.212291702	0.077019477	0.18215713	0.541509966
## 164	-0.188912106	0.34419171	0.014909482	-1.559790058	0.12068775	-2.086525490
## 165	-0.186417265	0.86619242	-0.671108091	-0.757572532	0.50372379	1.628232371
## 166	-0.046033512	-1.03860747	-0.390444123	-0.583990319	1.20184800	-0.490214807
## 167	-0.451137748	-0.46060315	-1.294431804	-0.345710735	-1.67511995	-0.054727313
## 168	-1.238856129	0.41031452	1.241973533	2.294405959	-0.96650467	0.336104236
## 169	0.655516476	0.49623645	0.726760077	0.816587730	0.02684108	-0.883632948
## 170	-0.133623873	-1.16236670	1.473995525	1.148769890	-1.46979968	1.725149885
## 171	-0.425549882	-1.63504288	-1.554743502	-0.677546185	-1.25347886	-1.015931493
## 172	-0.624814300	0.78631640	0.371218185	-1.103425552	0.45474019	-1.374218400
## 173	0.191498863	-0.53000461	-0.643479811	-1.011445568	-1.39452923	0.565304037
## 174	-0.007140717	0.56784333	-0.019264685	-0.672482524	-0.51479875	0.446163337
## 175	0.110340081	0.57149102	1.003584602	0.637857544	1.68804124	0.558378730
## 176	1.103778185	0.67699335	0.406938796	-1.091180602	-1.67688735	-0.802470678
## 177	0.034774134	-2.87114205	-1.121746530	-0.710158678	-1.09862177	1.344348631
## 178	-1.092544638	1.80114436	-0.779484191	0.743044749	1.03797835	0.104761431
## 179	0.235307468	1.98895765	-0.830557599	1.479880174	0.77127323	-0.325707433
## 180	1.875550809	0.57514335	-0.692900023	-0.562179731	-0.29552570	-0.946715718
## 181	-0.445006463	-0.01419444	0.986888961	-0.888845611	-2.21325261	0.590968578
## 182	-0.918870535	-1.73544744	0.197863112	0.645633303	0.58786426	-0.452154572
## 183	-0.604736120	-1.89983035	-0.488037426	-1.352919245	0.93544837	0.206387651
## 184	-0.372537381	-0.75500159	-0.678924756	1.347807058	0.55584074	-1.591705829
## 185	1.391407052	0.40350440	0.116351781	-2.178303817	-1.20198895	1.834919426
## 186	0.211141357	-1.20238714	-2.325240481	0.550927565	-0.15004302	1.002637270
## 187	-0.877137251	0.29793172	0.421989667	-0.077052353	2.03237257	0.398841238
## 188	0.211089138	-0.55039982	-0.010764427	0.803538160	-0.64751877	-0.005840370
## 189	0.773014318	-0.91680658	-1.532869412	-0.089733015	-0.27099793	-0.840108363
## 190	1.724525293	-0.77517811	-0.563051064	-0.462857306	-0.28930973	-0.614183278
## 191	0.265388690	-0.10601416	0.536841742	1.111610541	-0.94771936	-1.513494353
## 192	0.197723506	0.61015123	-1.484146668	1.336744518	-0.89958611	0.027692476
## 193	0.610706259	-0.63975781	0.208928645	-0.157979053	0.33266932	-0.656369485
## 194	-1.442869810	-0.13644855	-0.266765581	-0.666333629	0.45183660	-0.070719122
## 195	-1.120496845	-1.77626048	-0.106745136	0.682324742	0.07783896	-2.186890178
## 196	-0.710944501	-2.45778996	0.342449264	0.791570278	-2.27663062	0.066830832
## 197	1.778990817	0.60305908	-1.366154247	-0.254745155	0.66219375	0.826317246
## 198	1.337925385	-0.65324775	-2.129581254	1.439577323	-0.63705924	-2.095275569
## 199	1.423539535	0.40432030	1.659609155	2.970077408	0.63851014	-0.424115486
##	V172	V173	V174	V175	V176	
## 1	0.592301487	0.089529024	1.195973981	0.807949066	1.373203224	
## 2	-0.976861471	0.466677526	-0.616047372	1.027979170	-1.373652529	
## 3	0.100567219	-1.248356715	-0.685313195	-0.120940876	-0.170131970	
## 4	0.378127990	-0.805469217	1.377354986	0.799205039	0.772787169	
## 5	0.270881758	1.567456910	1.001018906	0.806063705	-0.770907529	
## 6	0.909971563	-0.417840328	0.282407672	0.370503912	-0.385163198	
## 7	0.186510896	0.799043844	0.052846668	1.014670745	-1.757128063	
## 8	-1.906629945	-0.278209673	1.214057382	2.330355436	0.622036165	
## 9	-1.472029648	0.852449284	-1.753634209	0.709865843	-2.241177027	

## 10	-0.674503665	1.274254598	0.685713518	-0.691933023	-0.257561369
## 11	-1.028291920	-1.064137149	-0.152376255	-2.324717698	-0.268847592
## 12	-0.716208421	-1.139114679	-1.109264396	0.636186731	-2.001812104
## 13	1.036270418	0.161775838	-0.034773284	-0.495389475	0.500138719
## 14	-1.567818412	-1.383428767	-0.850906423	0.279788262	0.464443336
## 15	0.781508971	-0.503638968	1.878522499	-0.637331214	0.468784037
## 16	-0.001696051	-0.890906859	0.056593706	-0.806511422	-0.409483285
## 17	-0.109277047	0.911712523	2.534774498	1.448423092	0.711717226
## 18	1.385740716	0.560782504	-0.480027418	-0.125357279	0.372292094
## 19	-0.764544451	0.751373138	-1.747653591	0.980394939	0.162012440
## 20	0.009440975	-0.829859160	1.657057314	-2.467783888	-0.302024521
## 21	0.060692737	0.257364106	-1.264562521	-0.417130987	-0.820524213
## 22	0.706689412	0.976753693	-0.037379973	1.581776310	-0.014820267
## 23	-2.368756903	-0.783252756	-1.115857260	-0.441953719	-1.378618263
## 24	-1.255217018	-1.083777847	-1.021295226	0.790362197	-0.121150368
## 25	-0.747534792	-0.635491722	0.036394715	0.035607760	1.644296437
## 26	-1.398361085	-0.532866059	0.933021185	-0.401091990	-0.454145544
## 27	-1.362205192	1.338162650	1.695576277	-0.066357716	-0.217380205
## 28	-0.174469655	-1.197622625	-0.919386912	-0.252000045	-0.111783743
## 29	1.729826179	-0.171541813	0.743080150	1.162883096	-1.072661945
## 30	-0.509617693	0.044818250	3.125696523	0.961915820	1.084967167
## 31	-0.466087910	0.163980142	-0.178558023	0.735901471	-0.527636250
## 32	-0.309029186	0.265489902	0.865041916	0.866043520	0.647805329
## 33	-0.277841966	-0.678898726	-1.357210060	0.008458830	0.196888245
## 34	-0.015259691	-2.210481588	1.754848969	0.025353503	-1.203332425
## 35	0.687894043	-0.389978189	-0.535930914	-0.784760052	-1.195796468
## 36	0.316505241	-0.396590787	-1.382425561	0.229025730	-1.218574821
## 37	-1.151287155	-1.682078408	0.024641856	-0.646529532	0.120305336
## 38	0.193195574	-0.609142788	1.045356050	-2.328248244	0.960855783
## 39	-1.882811049	2.688215798	1.221445627	-0.012228056	-0.328926455
## 40	1.831036699	1.235591520	-0.279885837	2.381869980	-1.150411400
## 41	0.091455825	1.143963222	-0.335599464	-1.325157902	-0.865045163
## 42	-1.271281883	-1.368988574	0.836378322	1.978506856	0.080675487
## 43	0.524787874	-0.699108531	0.626566972	-1.401565454	0.980932376
## 44	-1.310255702	-1.554565984	0.819585055	0.080576496	1.030850961
## 45	0.198628109	1.183524530	1.009612573	0.582023920	2.274004304
## 46	0.732465330	-2.124790128	2.031110245	-0.878588479	1.041635701
## 47	-0.051521233	0.915624249	2.399691413	-0.619345360	-0.334536987
## 48	-1.866019111	1.214982254	1.101780806	-0.763035026	-0.229078776
## 49	-0.405487939	-1.339629372	-1.037777564	0.643698470	0.526948840
## 50	1.609978481	0.077653093	-1.155057593	0.381884694	0.058029083
## 51	-2.504471551	-0.057660507	0.933958670	-0.625888174	0.840349221
## 52	-0.941110242	-0.711266100	-0.365706219	-0.468076756	-1.498029217
## 53	1.264114138	-0.967052159	1.181193317	0.073802139	1.922940602
## 54	0.444328663	0.233157349	-0.548054591	0.355851786	-0.398992272
## 55	-0.639264315	-0.234230724	-0.226273554	-0.358586903	1.730038554
## 56	0.693705103	-2.710746923	-0.334286354	-0.542289735	0.957785336
## 57	-1.081588974	0.761532521	0.135555275	0.424078042	-1.554266098
## 58	0.617695873	0.076247713	0.443850470	-0.609028512	1.074072498
## 59	-0.574075381	0.898910474	-0.325329197	0.544134301	0.957215636
## 60	0.945427851	-0.369565054	-1.362207871	1.201855114	0.822087098
## 61	-2.657729084	0.693585595	1.501274735	0.494357001	-0.098729976
## 62	0.964567318	-0.926202745	-0.313569388	-2.035716768	1.021796215
## 63	0.257474372	1.464701114	-0.864275271	-0.217926991	-0.315460158


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## 64 0.577165734 -0.181586108 -1.036798638 -0.538568628 -1.374420026
## 65 -2.044603210 -0.928072632 0.699504728 0.997298423 -0.930164224
## 66 -0.098239515 -0.382412596 -0.269967766 -0.516848459 -0.515550059
## 67 -0.464987018 2.043905077 -0.805160975 -0.858355734 0.082483612
## 68 -1.039200390 -0.723245862 -1.012837801 0.427193549 1.901286574
## 69 -0.233784405 -0.466290792 -1.541222222 -0.466532849 0.179032468
## 70 0.500958993 0.443466430 -0.871959508 0.536230163 -0.719328668
## 71 -0.633699759 0.303236750 -1.265417967 0.485284686 0.921451737
## 72 0.106758862 0.856741024 -1.821499745 -0.802097207 -0.442802098
## 73 -0.400902514 -0.529154797 -0.994988892 0.389196386 0.054106777
## 74 -0.617005997 -1.606758664 -1.211801833 -0.188309177 0.016834515
## 75 -2.536420745 0.437431877 1.539925146 -0.507141571 0.048381598
## 76 0.374783795 -0.077378255 0.395620522 0.278324511 -1.503262568
## 77 0.031014847 1.104012829 0.682500253 0.225309587 -0.939009467
## 78 0.159767020 0.656481040 0.406509606 -0.904235378 -0.499758141
## 79 0.165107112 1.775495353 1.168938766 -0.029476619 1.902365943
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## 82 -2.314444736 0.756098804 -1.122925633 -0.395268428 -1.423789416
## 83 0.448484441 1.230340348 -0.875094407 -0.055223369 0.656894709
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## 99 0.323634505 -1.891946799 0.020552016 0.991895143 0.613284415
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## 106 0.459009752 0.042230682 -0.191586122 1.458692473 -0.067852848
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## 117 1.150168783 -1.203918017 -0.123891312 -1.344192607 -0.701600422

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## 118 -1.304499540 -0.297876821 0.775533861 0.672156252 0.525394722
## 119 1.094263690 -0.180032924 -1.126562992 1.854826070 -0.385156788
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## 124 1.499102069 -0.015352026 1.355162665 0.874437097 1.210293154
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## 135 0.229870454 0.369268263 -1.644771315 -1.413614941 -0.044872706
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## 137 0.126171988 -2.922503314 0.711477023 0.231563072 0.065846274
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## 142 -0.416156949 -0.772521766 -0.193246623 0.501391627 0.518045949
## 143 2.222012387 0.789080320 0.709864708 0.286592131 1.282940287
## 144 -1.212852803 1.123587078 0.684073420 1.331665242 -0.065098332
## 145 1.131995223 -0.887820860 -0.690563000 0.831073572 -0.560657982
## 146 -0.460226991 1.190891615 0.595838460 -0.083633153 -1.771839601
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## 149 1.157836972 0.628816421 -0.958455040 -0.223748692 0.898424307
## 150 0.914948234 1.127088869 0.516892866 -0.292327481 0.354224471
## 151 -0.116097935 -1.108911426 -1.504325947 -0.674282736 0.243468553
## 152 0.871644315 -1.092645422 -0.552114120 0.342366943 -0.244484889
## 153 0.400909841 -1.298774215 -0.368895697 -0.075070904 1.276991405
## 154 -0.995017633 0.809374795 -0.348818838 0.450318349 -0.488986478
## 155 0.117705022 1.181213085 0.336331279 -0.881938067 0.697435788
## 156 -0.073420076 -2.202170647 -1.461971229 -0.533662620 1.116337393
## 157 1.086066629 2.627327229 -2.066580911 -1.646102852 -0.697806805
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## 159 0.985570483 -1.571590165 -0.649419900 0.677232967 -0.421143928
## 160 -0.077000533 -0.132766357 -2.143997975 0.703590131 -0.004011065
## 161 0.917153960 -1.033766592 -0.474015777 -0.924650918 2.007260636
## 162 -1.635387433 1.254039165 1.052044248 -0.248584473 -0.246047014
## 163 0.994352611 0.622275828 0.890344541 -0.234888080 -0.789595455
## 164 0.182050465 0.132133782 -0.715501676 -0.816018208 -0.467382596
## 165 0.659470598 -0.027295446 -0.495673693 -0.668757298 0.320002898
## 166 -0.020721345 1.298863029 0.393262030 0.642599206 -0.624035828
## 167 -0.245783085 0.145814805 -1.621133064 1.154545880 1.028166779
## 168 0.865868741 -1.752503947 -1.181862032 -0.029800971 1.268425276
## 169 -1.482610786 0.715595099 1.394703610 -0.346699352 0.478688118
## 170 0.699573458 2.828721415 -1.129040585 -1.006394826 0.329557320
## 171 -0.500946005 -0.024513770 0.714305353 -0.998387915 -0.536022232

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## 172	-0.272370431	1.607787609	0.284580462	0.299745333	-0.690567911
## 173	1.113665284	1.060397880	0.329043062	-1.043075007	-1.605127309
## 174	-0.252006710	0.406459196	-0.475586471	1.558763972	0.765764763
## 175	1.262677279	-0.483773708	1.329063370	0.986262036	0.826886669
## 176	-0.890997919	0.113235462	-0.633435968	0.477058152	1.143740005
## 177	-1.080929102	-1.062608959	-0.142982892	-0.145205314	1.269134658
## 178	1.158138783	1.209227661	0.726652990	0.857115520	-0.089510081
## 179	0.904826078	-0.409443694	-0.003848039	0.220864429	0.802816879
## 180	-0.095013221	0.078905963	0.802856459	1.374588251	0.027955116
## 181	0.251117150	-0.962868796	-0.306931410	1.524844762	1.017456714
## 182	-1.378321774	-0.398293413	-0.149522066	-0.074178647	0.091730793
## 183	-0.652131209	0.545864698	-0.110873286	0.548240626	-1.042459670
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## 186	1.601331280	0.696376756	-0.024068016	-1.688317933	0.210322189
## 187	1.833305311	0.038888948	0.973026992	-0.999382288	-1.059121687
## 188	-0.073969085	0.987761609	1.076067472	0.290089030	-1.273710051
## 189	-0.526917116	-0.280134744	-0.225529492	-1.572355759	-1.155445831
## 190	1.838713508	1.873795967	-0.572193135	0.611782688	0.252043214
## 191	-0.289031899	2.092516969	0.893338908	-1.348080946	-0.884709632
## 192	1.269880747	0.132732252	1.425160086	1.464081191	1.112106999
## 193	-0.233060311	-0.485810790	0.661225458	-1.907956726	0.742707912
## 194	-0.976170513	1.273790653	-0.642971475	-0.961349355	0.472503195
## 195	1.878050061	1.303733806	-0.582132011	1.194301083	0.328329218
## 196	-2.189577707	0.290959154	0.536464477	1.042726038	0.520736162
## 197	0.488226230	-1.137086664	0.259516823	-0.168690735	-0.555837506
## 198	0.576025493	0.530752972	1.065832610	-1.095084756	-0.014338188
## 199	0.485527050	0.392450410	2.264523073	-0.095514144	1.346159996
##	V177	V178	V179	V180	V181
## 1	-0.950320850	1.684597295	-0.2048786503	-0.609231596	1.652956397
## 2	0.413304269	-0.656440462	-1.1651778093	0.703156331	0.491812698
## 3	-0.662563362	0.441150212	2.1392015263	0.617131503	-0.723818995
## 4	-0.913293541	-0.025359947	0.4961249243	0.346889797	0.042291501
## 5	-0.208235086	0.780050677	-0.2606166914	-1.490975066	0.774887788
## 6	2.319616137	0.632856028	0.9783681055	-0.754087013	-2.223959119
## 7	0.165860660	-0.832928437	-0.0205270938	1.489493772	-0.127068596
## 8	-0.811758515	0.863349669	0.4882719974	-0.981518196	0.324264805
## 9	-1.903108762	1.874001961	0.9935392040	1.009497102	2.399373303
## 10	1.188764863	0.052682682	0.5447237427	1.673232056	-0.295044061
## 11	-0.615942157	0.380281113	0.2209834519	0.136160211	-0.262299785
## 12	1.704982831	-0.431245996	1.1095982587	1.133826990	0.082100479
## 13	0.745372963	-0.885328282	0.4553506524	1.111052508	0.550357938
## 14	-0.741114812	-0.607886373	-0.7406206177	0.117868854	-1.056289926
## 15	1.740704754	0.516527612	-0.6223525721	0.823914294	-0.276994670
## 16	-0.349974291	-1.244605215	-1.6030069333	-0.775117539	0.615391932
## 17	2.469108708	-1.455465981	-0.4050312153	0.403240462	0.462237230
## 18	0.477752723	0.916871207	0.6867191330	1.402779457	0.870698698
## 19	-0.110989545	1.225142074	1.6721219117	-0.300540523	-0.016869471
## 20	0.260982089	-1.022052812	0.0974161768	-0.237355076	1.042159431
## 21	-0.553527595	0.809159450	-0.2120969521	1.122514157	0.819665196
## 22	0.172222309	-0.593247190	-0.2675138955	-0.004381243	-0.208616959
## 23	0.523423279	-0.299395590	0.6707449391	-0.715092759	-0.082491801
## 24	-0.643247226	2.373743238	1.0334405723	-0.122288809	-1.130218225
## 25	0.536414163	0.764137507	-0.7634700925	0.047752830	-0.229657990

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## 26  0.346616755 -1.804670851 -1.1711958442  1.291843918 -0.528029471
## 27 -0.037204814 -0.994282876  0.4955560811 -0.770954713 -0.783455089
## 28  1.508375499  1.852320028 -0.9936152468  1.345490485 -0.216877510
## 29  2.679244206  1.015561259  0.2783480741 -0.465493263 -1.290910541
## 30 -0.599559076  0.079912680 -1.4422222780  0.078253779  1.067208364
## 31  1.329818520  1.497784504 -1.0030601199  0.310839057  1.132580590
## 32  0.885171878  0.876320929 -1.3325233724 -0.188438470 -0.308391724
## 33  0.052624824 -0.135614283  0.7174203762 -0.559964064 -0.203654272
## 34  0.396852607  0.226682476  0.8877312671  0.646760963 -1.675809612
## 35 -0.105782719  0.706769190 -0.0791005853  0.546491716  0.390136129
## 36 -0.146740043  0.836089216 -1.4413168342  0.559827407  0.339467291
## 37 -1.509978669 -0.852756564  0.1822057815 -0.377534693  1.372577723
## 38  0.214480470  1.050456097  0.3849616105  0.486233318  0.428924870
## 39 -0.672361141  0.724738241 -1.2789326012 -0.692187515  0.063441355
## 40 -0.778550304  0.239636374 -1.0804504705 -0.471128578  0.327789083
## 41  0.976855775 -1.057802444 -0.8290338203 -0.435761926  1.419212619
## 42 -0.280811044 -1.055905078  0.3183469521 -0.386195267  0.279817283
## 43  0.056425977  0.502533570 -0.7740291760 -0.680499762 -0.518713471
## 44 -0.625133211 -0.027548140  0.1541457718 -1.479407837  0.808314093
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## 46  0.338797519 -1.486241231 -0.9815011132 -1.213224928 -0.191154493
## 47 -0.114896778 -1.402780107 -0.3943885566  0.913826120  0.258194835
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## 57 -1.478521847 -0.160569010  1.1324434690  0.058037983  0.466249149
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## 66  0.045781333 -2.190133547 -0.0047688603 -0.565261949 -1.581080051
## 67  1.220806615 -1.718720990 -1.3397638429  1.168584779  1.536088098
## 68 -0.329596069  1.345617353  0.8676500392  0.920556266 -0.283330414
## 69 -0.465513449  0.791837775  0.2901130099 -1.155357110 -0.494904399
## 70 -0.581666387 -0.920114366 -0.8607717020  0.986082946  0.773860850
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## 77 -0.114550881  1.409447097  1.6307273177  0.170403363 -1.346031052
## 78 -0.513265400 -0.093467220 -0.0748791058 -0.037351937 -0.698729162
## 79  2.088376759  1.369532392  0.5735350770  0.273875072  1.022730148

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## 82	0.926125519	0.064910347	1.0327236670	1.472088323	-0.253676400
## 83	-0.483377582	0.920476468	0.6947543998	-0.262156651	-0.512301324
## 84	2.099202449	1.384631173	1.2452086874	-0.303570757	0.455495986
## 85	0.811536866	0.391244068	0.7460300474	1.570363086	-1.058822754
## 86	0.385232249	0.312048776	1.4133604067	0.237018945	0.477345392
## 87	1.372499721	-0.461611118	-0.6555771757	2.985566017	-0.028660244
## 88	-0.557203877	1.851046863	-1.0919860930	-0.470006077	-1.432792646
## 89	-1.703759284	0.699055264	1.2948396225	0.870274502	-0.434737475
## 90	-2.501935006	-0.121609713	2.1906772632	-0.421536847	-0.191684477
## 91	0.134012375	0.039538502	-0.4541885123	-0.161232432	-0.379754662
## 92	0.618491499	-0.268468731	-0.9514001792	-0.688336203	-1.422665709
## 93	-0.271653586	0.741269815	0.0551127316	1.960736090	-1.383992365
## 94	-1.113954020	-0.880935967	-0.7898569222	-1.213556217	-1.440626103
## 95	-1.131748638	-0.755645511	0.0001371109	2.027794495	-1.107599349
## 96	-0.665837386	-0.006523554	-1.2104746037	-0.252451889	0.262298022
## 97	-0.750085470	-0.222621623	-1.2476963951	-0.730458642	1.455047899
## 98	0.192326428	-0.658946559	-0.0011659262	-0.681592963	0.104820186
## 99	1.165998267	0.692821579	0.2878842398	1.151699276	-0.258581741
## 100	-0.911626568	-0.408685545	0.0979366555	-0.436296213	0.172126140
## 101	0.605066110	0.244682629	-0.7224330314	0.860643252	0.495925316
## 102	0.885663217	-0.286926197	0.3554474222	0.197372138	0.275238429
## 103	0.923886567	-1.586094424	0.5458093358	-0.082721648	0.111665582
## 104	1.058673569	0.820624027	2.1721056740	0.435864204	-1.389432402
## 105	0.042452790	-1.270299876	1.2458466561	1.714956807	-0.981841847
## 106	0.327974712	1.236295520	-0.8587785265	-1.360526356	-0.949836374
## 107	-1.494886687	-2.418805191	0.6840852630	-1.106893303	0.100848067
## 108	-0.608559756	-0.403140349	0.2306979839	1.170672806	-1.948839990
## 109	-0.883721352	-1.639812480	-0.6680469266	-0.708738534	-1.658605675
## 110	-0.996855751	-2.301064563	1.1497733093	0.681992686	0.082468705
## 111	-0.180787218	-0.498794765	0.4602878168	-0.040962705	0.975615290
## 112	1.012098770	1.353134583	0.7107231434	0.374068737	0.405991619
## 113	-0.979152808	0.253756966	-1.6705957592	-1.285504470	-0.381805703
## 114	0.244757396	0.014105108	1.5533604686	0.510835793	0.413406333
## 115	1.090154229	-0.647185985	1.1344952160	-0.540487876	-1.437977797
## 116	-0.156498560	-0.419487804	1.4402207214	0.098806717	-0.076386055
## 117	0.672872252	-0.168871517	-0.6860733029	-0.363664002	-0.250385376
## 118	0.607809121	-0.912666804	0.2356285722	0.611177146	0.131227007
## 119	0.655108243	-1.150024754	0.0470940497	-1.445346804	1.466349773
## 120	0.422693185	-1.194774500	-0.2433925556	0.609992206	2.589157806
## 121	-1.594317635	0.502990022	-0.4371269737	-0.984246011	1.090658263
## 122	-0.270921829	0.761287771	-0.7702476125	-0.142998498	-0.709241505
## 123	-1.179888226	-0.626511323	1.6400436223	1.535578767	-0.190545551
## 124	-0.982687152	0.130739577	-0.7992075251	-0.236360162	-0.006935371
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## 126	-1.398212237	-1.003071730	0.5054727320	-0.909337420	0.873971003
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## 128	-1.384783422	0.694710762	-0.8138685192	-0.893879598	-0.773281830
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## 134 0.198425472 -1.131603327 0.0032800745 -0.071919967 -0.209252198
## 135 -0.784221926 0.503770853 0.7841145059 1.879875941 1.583855103
## 136 -0.623053900 -0.144187187 -0.5495185988 0.109556638 -1.237108897
## 137 0.184606222 0.013470043 -1.1754281289 0.075535342 0.478031909
## 138 -1.866422116 -1.378783105 -1.7181753362 0.278412810 0.050207338
## 139 1.342756102 1.408870561 -0.0225976432 -0.812646270 -2.241277115
## 140 0.727824053 0.300874145 -0.9654710066 -0.078421668 0.297587725
## 141 0.918557295 0.943601783 2.5885327244 0.534057694 0.269942033
## 142 -1.148693526 -0.270701716 -1.3945622221 1.158660165 -0.276058473
## 143 -0.588316338 0.965937775 -0.8449451971 0.594668350 1.576020875
## 144 0.651079979 -0.554991282 0.5564901583 0.041547458 -1.310421889
## 145 0.185280344 1.483265651 -0.6709296569 -1.072616185 1.370656204
## 146 -0.825083595 0.181292135 0.4782744381 -2.121718959 0.967530813
## 147 -0.645617741 -0.237217830 -0.2930782057 -0.284473971 -0.133242162
## 148 1.198118617 0.840321311 -1.5913294358 -0.264738042 -0.572671068
## 149 -1.597151016 -0.304178067 -0.6063585172 -2.672158470 0.269825742
## 150 1.723880916 -0.397086664 -1.1196977231 0.287078508 1.103977386
## 151 -1.417237370 -0.346860284 0.7174312974 -0.645604129 0.795674331
## 152 1.153487735 1.294144773 -0.7516984733 -1.081417543 0.656511709
## 153 -0.118974997 -0.464740525 -1.3415870468 0.152483782 0.582042111
## 154 -0.863761680 -0.823025511 1.8838672689 0.364916279 1.501195850
## 155 0.009258839 -0.858722847 -0.5308613840 0.887892417 -1.694916541
## 156 0.586173437 0.439767846 0.4161192186 -0.029412024 -0.236172210
## 157 0.640802680 -0.886480077 -0.3964011611 -0.157730989 -1.457318949
## 158 -0.775482860 -0.420780391 0.1102393562 -1.050930010 -0.675172210
## 159 0.473405814 -0.506797536 0.7169166766 0.639701528 1.761082205
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## 163 -0.581568153 1.132550505 2.1354875308 0.039580362 -0.122823889
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## 165 -1.067467252 -0.075817574 -0.0531569622 0.201134425 1.487946277
## 166 0.754789301 -0.053910699 0.9265818401 -0.747260861 -0.104428206
## 167 -0.252791897 -0.054495381 0.6759706576 0.023679806 0.050766928
## 168 0.982942971 1.545696502 -1.6113846984 -0.626501605 1.198187434
## 169 -1.445916473 0.748439136 1.0234410115 1.322719745 0.401511802
## 170 -0.827721466 -0.292044042 -0.1893460868 -1.081941620 -1.253245559
## 171 2.232038453 -0.507279766 0.5507359400 2.378888272 -0.809016990
## 172 0.045038695 -0.202557903 -0.0453515402 0.828189710 -0.829622995
## 173 0.096684750 -0.351231148 0.2294658226 -0.300058916 -1.062803878
## 174 0.142586072 -0.418747726 -0.0069833156 0.903138917 0.493565685
## 175 2.062857582 -0.280044846 0.9758077162 -0.058345320 1.469847029
## 176 0.343697620 -0.151623446 0.9926684546 1.362684000 -0.768004156
## 177 0.392899611 -0.142962883 -0.3983245560 -0.183600180 1.005421847
## 178 -0.606175174 -0.023927485 -0.5931762755 0.276048371 0.170262923
## 179 0.646527137 -0.315258974 -0.9016135169 0.034174260 -0.618432757
## 180 0.382540943 -1.900545411 0.9110699717 -0.794894012 0.003442144
## 181 0.619814572 0.047415208 -0.1787422270 -0.177208142 -0.475299345
## 182 1.048931333 2.587170706 0.6045913935 1.343812915 1.615142464
## 183 0.759817706 -1.277519953 -0.3930090774 -1.177010957 1.149359367
## 184 1.075688683 0.828275141 -0.1894582710 1.330545574 0.709001862
## 185 -0.357923823 1.477565764 -1.0348369189 0.467465925 -2.362249959
## 186 0.174571231 -0.222732039 -0.7394841500 -0.309977565 0.136808839
## 187 0.195109876 -0.297004361 -0.6401089200 -1.054600477 0.445035912

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## 188	-0.836051169	0.010303181	0.0938277893	-0.195369601	0.331397653	
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## 193	-0.247896457	-0.782741630	0.5374690680	0.290734146	2.207682348	
## 194	-1.828085982	-0.103056213	-0.5778597639	0.383268874	-0.494479019	
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## 196	-0.479101141	1.490740623	0.2791166398	0.659580195	-1.319834962	
## 197	0.850091685	-0.419310668	-1.3534163912	2.027372872	1.324112747	
## 198	0.339268813	0.884147336	-0.0443591324	-1.140647382	0.562745909	
## 199	-0.986709572	-0.892004108	1.6657444531	-1.225653788	0.887436678	
##	V182	V183	V184	V185	V186	V187
## 1	-1.030916590	-0.440550687	-0.66429345	3.187104841	0.75898249	0.112675952
## 2	0.167983582	-2.431938338	-1.05547801	-1.062735873	-1.85045509	-0.345078747
## 3	-0.340026603	-1.013574337	0.11858833	-0.729114730	-0.23053787	0.465387061
## 4	0.381773301	-1.865911144	-1.35339549	0.341679190	1.15737126	0.356323389
## 5	-0.717106267	1.773795266	0.35445875	-0.630334417	-1.65843558	-0.033865087
## 6	-0.534818641	-1.154352532	1.26816260	1.155552134	1.00833818	-1.294106938
## 7	-0.065654518	2.065819183	1.22963890	-1.012661626	0.69677091	-0.889928002
## 8	0.653759978	-0.614670179	-1.03648128	-0.817177371	0.62149533	-0.564539009
## 9	1.141621847	0.022137428	-1.14632230	-0.153963919	1.10285958	-2.338056059
## 10	-0.843625705	0.140800379	-0.29682456	-2.207587251	1.11916943	0.065761145
## 11	0.239146367	-0.159389934	0.66380279	1.115296603	0.08044105	-0.267506824
## 12	-0.714624699	0.143323314	0.11865518	0.086577641	0.06988447	-0.291576372
## 13	-1.250775522	0.835169259	-0.63572917	-1.436839800	-0.16984758	-0.722243999
## 14	0.496091947	-1.636102538	-0.09007710	-0.033294772	1.52668854	-1.682998219
## 15	0.679037007	0.532473197	2.32344209	0.811652099	0.65579811	-0.103129176
## 16	1.910908758	-0.608624889	-1.12762178	-0.570206714	1.38816280	-0.979522510
## 17	1.248679693	1.793078077	0.56136366	0.705035280	1.38311701	0.824304871
## 18	-1.054013676	-0.220119331	0.50984418	1.412995870	0.62561554	-0.101421771
## 19	-1.823571924	-0.945065078	-1.11024272	1.206641271	-0.08533943	-0.179320874
## 20	1.059041146	1.700558302	0.04309057	-0.691402604	0.73723273	-0.118262699
## 21	0.188307337	0.059711256	1.28270407	1.046795208	1.39981375	-0.791030886
## 22	0.355128682	-0.189781083	-1.56349681	-0.004154691	1.52732131	-0.927980438
## 23	-2.192558044	0.625818736	0.61480335	-1.374023630	1.23041077	0.051834396
## 24	1.772190873	0.800329313	0.27833875	-0.006151786	1.12202405	-0.555444153
## 25	1.326429112	-0.469306869	-0.68915796	-0.402455386	2.52010987	0.873163825
## 26	-0.697397058	-0.522353768	1.27203912	-0.946347418	0.10125152	0.166892617
## 27	-0.083412208	-0.326039755	0.51991691	2.142931942	-0.07332823	-0.834754121
## 28	0.044713609	1.458786751	-0.65132867	-0.719547644	-0.68409729	-0.325965353
## 29	2.146762464	-0.151951614	-0.22935606	-0.057399878	-1.64042902	1.148594717
## 30	-0.770133171	-0.486696555	1.33509969	2.194910564	-1.19822346	1.175522048
## 31	-0.900251941	-0.335355717	1.06448665	-1.411371507	-0.80019092	-1.180198328
## 32	0.118568775	0.848019834	-1.40764522	1.408369716	-0.40701889	0.927158958
## 33	0.910528668	-0.539789604	0.51471048	1.319868265	0.24457564	0.168060380
## 34	0.042215749	-0.900273868	0.85516091	0.714538801	-0.19136278	0.323364638
## 35	0.449625127	0.399266673	0.61022194	0.683624277	0.76027998	-1.024061049
## 36	-0.442089171	-0.694422766	1.27341852	0.702976953	-0.42968817	1.168074040
## 37	1.152880430	0.827023481	-0.94908927	0.990446280	0.81493156	-1.736810334
## 38	0.999498712	-0.390513123	-0.29379549	-0.152977183	-1.64232506	-0.864674239
## 39	0.046902061	-1.382181090	-0.39735846	0.374950322	-0.90132347	1.435141448
## 40	0.217091602	0.577876383	-2.01382770	0.169929228	0.75210254	1.429922580
## 41	1.016587764	0.759772664	1.50144441	3.243146531	0.50308190	1.338232533

## 42	0.167708747	1.077569302	1.76651192	2.894878691	0.91019347	1.269975062
## 43	-1.082648145	0.669837840	-0.29957304	0.655819648	0.25704249	-0.879608836
## 44	-0.469473515	0.902307949	-2.09675866	0.602002983	0.24403601	-0.456141053
## 45	1.827049496	-1.079669317	0.20036857	-0.261052175	1.43292007	0.671428887
## 46	-1.889436213	-0.898124048	-1.17491920	1.511921749	-0.02720629	0.046418821
## 47	-0.659443082	1.931610715	1.64302890	0.888920685	-0.04893805	-0.462204113
## 48	-0.260781863	0.058957338	0.18226441	1.368591931	-0.39480048	-0.379586354
## 49	-1.361227936	-0.267744750	-0.34242614	-2.055790956	-0.14115110	-2.433010622
## 50	-0.561037935	0.427714220	1.10168453	-2.348996648	0.41122600	-0.425853186
## 51	-0.246219908	0.622125908	-0.38367156	1.805693796	-0.99101727	0.042045801
## 52	1.485208276	-0.480771801	0.79748688	0.554363316	-0.75039601	1.336608150
## 53	0.575062040	1.738304913	0.25908683	-1.956202046	0.82372994	0.234650120
## 54	-0.210315738	-0.052933895	2.43905921	-0.209669943	-0.08594575	-0.851937238
## 55	-0.059666760	-0.040464418	-0.26704496	-1.722693485	-0.79346217	1.399916034
## 56	-0.200814415	-0.453104375	0.50187422	0.433719581	1.70075775	-0.379008536
## 57	1.861371646	0.088622911	0.16624313	0.883227851	-0.50271967	-0.912029997
## 58	-0.405390283	0.947216942	-1.22779432	0.961659619	1.76889985	1.373409673
## 59	0.984642790	-1.574857571	-0.92584251	0.527479524	-1.55925147	0.165891006
## 60	-2.377703076	-0.486534234	1.81045647	-0.900717831	0.77401007	-0.382390353
## 61	-0.058211032	0.421296505	-1.77710415	-0.610901533	0.49331383	-0.970716529
## 62	-0.123613271	-0.346240654	-1.13472647	-1.133875025	-0.90931777	-0.774629943
## 63	1.141666634	1.522836319	-1.26464861	-0.724072277	-2.62284885	-0.271665990
## 64	-0.257344831	-0.777077787	-1.14054969	-0.496503387	0.87897146	0.198039780
## 65	1.431325381	0.205556969	-0.43355740	1.240610193	1.71147846	0.002280319
## 66	2.231828464	1.580311286	0.22527145	0.403462531	-0.42298584	-1.354642413
## 67	0.721183757	-0.372376771	0.01758432	0.508957507	0.31452645	0.441860613
## 68	0.255500250	-0.653028628	-0.20019752	-0.853854550	-1.55186778	0.333116539
## 69	0.039223552	-1.793747099	-0.31259869	1.797582155	0.34687469	1.003595504
## 70	-0.705507985	-2.167286409	-0.34034427	0.259983059	-1.82403698	-0.215417037
## 71	-0.808857422	-0.522602436	0.58780536	-1.872507699	-0.14352623	-0.966284765
## 72	0.252579602	0.835276284	-0.09646545	0.493992654	1.94766273	-2.299818850
## 73	-0.767457191	2.131490018	0.02187080	0.298908180	-1.67964761	-0.329883201
## 74	0.572096328	-0.566477571	0.19119326	-1.646357891	1.02389244	0.551807833
## 75	0.200039546	-0.210521443	0.55240194	2.547595733	0.50680976	0.892846136
## 76	0.389416901	0.794793834	0.39486639	0.320269490	0.09385343	-0.367467913
## 77	0.848495336	-0.274592737	0.25654741	0.685415812	-0.42183113	-0.090338222
## 78	-0.315589562	-0.146732009	1.16721820	0.454495190	0.06900967	-1.310507892
## 79	0.564827242	0.506115052	-0.18948628	0.807339907	-0.40895091	1.003810459
## 80	-1.443136456	0.224202428	-0.82002795	0.579739507	0.73479452	-1.531448825
## 81	0.368416522	2.233369074	0.35718614	0.450991250	-1.87178814	0.074621938
## 82	0.848235062	0.897023104	0.03275073	-0.031470001	-0.25349507	-1.034138916
## 83	-0.753269011	-1.253791258	0.09348928	-0.205870524	-0.01393876	1.165314838
## 84	0.044832589	0.987229879	0.03685967	-1.294881210	1.30750403	0.930398601
## 85	0.278503353	0.574620948	-0.74851139	-0.491057595	0.75826555	-0.697880012
## 86	1.646585643	0.149300781	-0.11492970	1.302375131	0.53069558	-0.020868511
## 87	0.890457074	1.320277267	-0.04457109	-0.242255703	0.39916935	-1.813723674
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## 89	-0.181199716	0.056175606	-1.72427948	-1.512212090	1.58520686	0.106753730
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## 91	-0.332550767	0.631961803	0.11170845	-0.749710268	-0.48389334	0.737453136
## 92	-1.359516348	0.005296933	0.97631005	0.481067006	0.56171967	-0.618319219
## 93	-1.730762682	-0.446238562	-1.17662311	-0.109060702	-0.08365814	0.084802676
## 94	-0.311679106	-0.552665630	-0.09303222	-0.446780057	0.76646280	-1.075968098
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## 96 -0.346256377 0.823087248 0.26681218 -1.390724077 -0.56860848 0.224651138
## 97 0.978745451 -0.319697047 0.38528623 -0.069840150 1.13484936 0.389151843
## 98 1.406139869 -0.694688035 -0.66757233 -0.234192227 -0.63431002 0.200038638
## 99 0.316210495 -1.032037518 -0.43117584 -1.224695578 0.71742505 -0.657279315
## 100 0.141424316 -0.244345469 -1.00249106 0.045930194 -0.49085671 0.432390334
## 101 -0.051939041 0.211341395 0.29357032 -2.292615027 -1.52603960 -0.061094246
## 102 -1.001109032 -1.161410343 0.55104998 0.195024654 0.51224922 -0.802533426
## 103 0.586062030 -0.560597535 1.23163168 -0.841888581 0.24280876 -1.981416236
## 104 0.926314930 0.502836299 0.36077131 3.405449823 -0.15445351 2.274638280
## 105 -0.017731632 -1.232119469 -0.70022111 0.349409247 -1.45554756 -1.076861508
## 106 0.349296290 0.190847912 -0.18807551 0.640401626 -1.24306953 -1.057092975
## 107 -1.340944650 0.952019809 1.30883853 -1.709351821 0.19718685 -0.605364611
## 108 0.226288142 0.585418298 -1.08940409 2.580276235 -0.50138508 -0.054099681
## 109 0.356747735 0.474025678 0.49869890 -1.161161392 2.51761982 -1.071167686
## 110 0.164324427 -0.839996391 1.88766551 -0.284009757 -1.18471717 -0.838344265
## 111 0.040689715 0.854898254 0.17114367 -0.110052451 0.78856629 -0.783321993
## 112 1.011515059 -1.511585652 0.66756244 0.730179307 1.12721834 0.658376693
## 113 -0.590468191 0.000833470 -0.53207452 1.257951259 0.78849288 0.457382881
## 114 0.910282472 0.652805642 -0.43990110 0.054677293 0.38109717 -0.632178138
## 115 -1.088491687 0.301636524 0.95503318 1.336168303 -2.63536633 -0.033583095
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## 118 -0.527316808 0.225799440 -0.99519749 1.601944843 -2.59153155 -1.711951926
## 119 0.651456387 0.949670093 2.65804537 0.494599665 -1.43680239 0.525238536
## 120 0.412136002 -2.408796102 -0.06509752 -1.098196970 1.45622515 -1.600756640
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## 122 -1.331371269 0.941463374 -0.16634723 0.296802409 1.66572248 -0.561292711
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## 129 -0.298786856 0.856474118 0.63561714 0.909553547 -0.06041394 0.078062710
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## 133 0.884215402 0.864949941 -0.32700293 0.154373888 -1.55312737 -0.204261325
## 134 0.857896661 1.675691113 0.30579065 0.279333995 -0.45241905 1.250669208
## 135 -0.558583092 1.187194283 0.69104564 -0.389441726 -0.24751281 -3.070534688
## 136 0.556314596 -0.702207129 0.10705018 0.012171229 -0.30421039 -0.561426767
## 137 -0.335911177 -1.588134988 1.40632267 0.148564257 0.82531483 0.916866456
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## 139 0.815357244 0.352579269 -0.14510465 -0.500734420 -0.15959636 1.348969437
## 140 0.110767672 0.211682733 0.76020557 -0.700943292 0.69609606 -0.763077031
## 141 -1.422348714 0.388076876 -2.07250847 -0.809624870 0.64974672 -0.439399323
## 142 -1.375900902 0.524084364 0.02771926 1.048204502 0.21739262 0.287228257
## 143 0.890541411 0.297073601 -2.06120515 2.024052719 -0.72285664 -1.952261546
## 144 0.078530011 -0.453945924 0.36435194 -0.242124434 -1.56926849 -1.894761764
## 145 0.533614957 -0.356932003 -0.66446723 -0.481730039 -1.87886875 0.204305077
## 146 -0.496204637 1.429693707 -0.81282199 -0.753202900 0.47861467 -0.103586005
## 147 -1.086003790 -0.156864826 -0.48181059 -0.287824127 -1.20843251 1.648904463
## 148 -0.912800185 1.046331927 1.82440876 -0.440107862 -0.27608682 -0.012331740
## 149 2.409318770 0.378320032 -0.71292833 1.910136787 -0.68159603 -1.015227494

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## 150	0.781162461	-0.746480896	0.07714636	0.943493375	1.18036583	1.365381255
## 151	0.313972158	0.003339490	-0.24205011	0.430867693	1.05551603	-0.411087080
## 152	-1.470386134	0.472578042	0.04176380	0.158088993	-0.19264024	0.076730615
## 153	0.970310829	-0.154499694	0.95468173	-0.419233783	0.64925217	-0.267691967
## 154	-0.330738064	-0.176865757	-0.34445381	1.134900223	1.52005086	1.358701028
## 155	0.464611152	-0.238029812	-0.77089756	0.431861214	0.22490150	-1.972235104
## 156	0.092939801	1.094253759	1.49916534	0.265229000	1.59478213	0.266261302
## 157	-1.028154636	-1.443226187	-0.82566254	-1.844625900	1.37825333	-0.450228663
## 158	-1.583154943	-1.024712820	-0.02956476	0.892294825	-0.59758229	0.566351152
## 159	-0.394307999	0.263565212	-0.51877431	1.456465303	0.51749180	-0.402238183
## 160	0.356089451	0.071436035	1.41074007	-0.812499183	0.25617299	0.349217741
## 161	0.990539004	-0.471672184	0.07138207	0.041939281	1.90710083	1.104558114
## 162	-2.400964568	-0.750680170	0.15356354	-0.611150132	1.26944683	-0.285228636
## 163	1.928953844	1.869334111	1.08618591	0.995965532	0.43512241	0.248203929
## 164	-0.956781690	-1.089504003	-0.47961952	-0.742647500	0.15395181	-0.152188007
## 165	-0.037380947	0.166606355	-0.28013755	-0.281667668	0.75633837	-0.152721789
## 166	-2.660241498	0.326465800	-0.26989611	0.477596676	-1.33395601	0.095220008
## 167	0.345827540	-0.999184076	1.32177779	-1.054195722	-0.25692402	1.472753342
## 168	0.761492428	0.487931039	1.47275581	0.471946589	-0.62343994	2.748698964
## 169	-0.648224429	-1.899538667	1.47334768	-1.452283365	0.67187984	0.997397052
## 170	-0.649804479	-0.990479193	-1.11983443	-0.198349911	0.16632245	-0.481986788
## 171	2.102064822	0.915272223	-1.19506705	0.661506353	-0.09059528	-0.550095855
## 172	-0.446947775	-1.144578069	-0.65473054	-1.159089191	0.17566710	1.549171658
## 173	0.356262944	-1.513866090	1.65874632	-1.227367065	-0.56895266	-1.393088572
## 174	-2.054730582	-1.005049943	1.51859292	0.601922455	-1.33473149	0.887485427
## 175	0.749206894	-2.115363271	0.43818671	0.568251300	-0.62123695	-1.300586132
## 176	-0.509386948	-0.549216427	-0.51950156	-0.029036796	0.37576110	1.070497304
## 177	0.953657167	0.265729128	0.30233558	-0.497888530	0.45214536	0.187716694
## 178	-0.182631620	0.624868007	-1.18032171	-1.328119430	-0.93177194	1.680929061
## 179	-0.171273334	1.420105284	0.26157760	-1.153715832	0.31324698	-1.219922232
## 180	-2.504660964	0.747507573	-0.48913585	0.511070864	0.45744519	0.751741553
## 181	0.758503151	-0.804007030	0.96045651	-2.249265354	-0.05969295	-0.331379732
## 182	-0.881099126	-0.374231872	1.21642092	-2.469433627	-0.24330993	-1.061591490
## 183	0.167288841	0.261342340	0.76129181	0.561342897	1.12897053	-1.705197073
## 184	0.628223736	-0.584586002	-0.10162631	1.033906303	-2.45249879	0.209664911
## 185	0.450751580	0.151191557	-0.30805721	-0.723153236	1.93479170	1.481277699
## 186	-1.244966901	-1.544154012	1.06903651	0.833967943	0.29464050	-0.044074433
## 187	0.436655403	-0.297405306	0.48626567	0.401385937	0.32423749	1.233619441
## 188	1.318721532	-0.761247951	-1.74613310	1.557329667	0.08817559	0.427843192
## 189	-0.605090596	0.343850916	0.88156096	1.375216214	1.31152004	1.107581776
## 190	-0.391441911	-1.624876905	-0.07406554	0.854258070	-1.68541761	0.188603999
## 191	0.935435263	0.024398121	-1.19249989	-0.271816185	-0.63573932	1.098141848
## 192	0.833505249	-1.328522007	-1.05367297	-1.119422517	-0.89599034	0.277780353
## 193	-0.545859293	0.213387878	0.35710077	0.793095671	0.26247926	-0.183796047
## 194	-0.299269213	0.808951679	1.26894489	0.326681044	0.82750236	0.504325837
## 195	1.184071736	-1.323579866	0.54409851	-0.667686322	1.19222106	1.411061734
## 196	-0.947137311	-0.001254755	0.76736496	-0.151675190	0.41793771	-1.339954609
## 197	-1.158326918	2.053876487	-2.41160901	-0.798500428	-2.44257486	0.557442467
## 198	0.771844403	0.846461466	-1.61787308	0.247550318	0.34749002	0.827853685
## 199	1.065767768	-0.245243034	0.38121224	0.808079426	1.28064443	-1.313363057
##	V188	V189	V190	V191	V192	
## 1	1.101720629	0.52230979	0.385751502	-0.349146870	0.5820307018	
## 2	0.366062436	2.54620336	0.003005602	-0.132314851	-2.0618012820	
## 3	-0.008768874	2.06610783	1.012053555	0.942121277	-0.3003800902	

## 4	0.096788790	1.05730815	-1.451734792	-1.024713239	0.1302877633
## 5	0.106680479	-0.05322772	0.369414015	-0.303884007	0.1526147865
## 6	-1.644457563	1.26961102	1.135762839	-0.284906688	1.0630296668
## 7	0.954975877	-0.61299876	-1.332391261	0.715297146	-0.4307945691
## 8	-2.251098740	-0.31255931	0.458343665	0.988968654	-0.0540367224
## 9	0.843381249	-1.39189051	-0.578816714	-1.076697068	1.7552817236
## 10	-0.155424161	0.99976006	-1.545439017	-0.252273884	1.2868693448
## 11	0.833367101	0.73426743	0.402539092	0.418240073	1.3927719004
## 12	-1.518668096	0.20535151	0.531486161	-2.439568542	2.6864185651
## 13	0.384187098	-1.04093244	0.271705700	0.617171245	0.1325956712
## 14	1.051769686	-1.47433458	1.039946915	-1.408331757	-2.3490830949
## 15	-0.116165932	-0.05308400	1.542783744	-2.081076127	0.3519566512
## 16	1.886973309	-0.71154162	-0.994063329	0.348240887	-0.4872934621
## 17	-0.217674043	-1.31088014	-0.972642320	-0.202593645	0.9543071164
## 18	1.388832289	-0.11933181	-1.549510051	-0.211821650	0.5151703699
## 19	-1.830387134	-1.31908188	0.637717876	0.828401703	-0.0819498625
## 20	0.034326905	-1.31162467	0.558999931	-1.167080596	0.0174994400
## 21	-0.679823974	1.20837190	1.444063662	-2.071904882	2.3333091671
## 22	0.065895995	0.95751162	0.096108378	-2.529968102	0.2081240846
## 23	0.936537366	1.00508944	0.740073065	0.186058459	1.2541882341
## 24	0.941906878	0.87080790	-0.182732103	0.989235088	1.2812033156
## 25	0.524439009	1.39256651	-1.852462930	-0.149702454	1.6296930501
## 26	-1.036908565	-0.99522636	1.086021228	0.082855099	0.2076820146
## 27	0.247870800	0.37213995	1.906397716	-0.720774097	-0.1087399401
## 28	-0.473375758	0.13429490	-0.194548211	0.294379377	0.3455661412
## 29	1.175105764	-0.47120833	0.627713466	-0.447125980	0.9278068341
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## 31	-0.334208028	-0.78356774	-0.595381006	-0.736981681	-0.4504905455
## 32	0.986259216	0.11046355	0.033378015	0.408534218	-0.5240040408
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## 34	0.976801016	-0.98388156	0.065073515	0.748402113	0.0338642219
## 35	1.250027846	0.28258012	0.147510915	-1.268496941	0.2598965648
## 36	1.806650326	0.62117573	-0.018119861	0.049400566	0.4382416058
## 37	0.110764345	0.94514410	0.491430176	-1.100862766	-0.0657950725
## 38	0.427057973	1.64886913	0.351311902	0.322846929	0.7051029005
## 39	-1.192669066	0.56561402	1.610173472	1.227788457	-1.0713958829
## 40	0.737116869	1.04424405	-1.997149871	0.075604799	-0.4049064867
## 41	0.951580308	-0.83345249	-1.028538518	0.447335634	0.0089809095
## 42	-0.365910150	0.65253880	-0.381347005	-0.075683146	1.0034015393
## 43	0.227572185	-1.07592536	1.246146296	-0.067335512	-0.3716069091
## 44	0.916635370	1.13925353	-2.305037725	-0.487089800	0.5078828930
## 45	-0.037418083	1.04728477	1.246039875	-1.792585586	0.7542925199
## 46	-0.681316234	0.69954388	0.483482697	0.676408503	0.0115870854
## 47	-0.186652172	-0.87911618	-0.062569912	-0.847348026	0.8833977132
## 48	-0.751379404	0.20325427	1.171192129	1.196926410	-0.1584872234
## 49	0.200025488	0.79025373	0.397328500	1.247268668	0.8909392173
## 50	0.180540146	0.45717211	0.269978347	-0.380939184	-0.1244295824
## 51	0.263410392	-1.07780037	0.805846548	-0.737379241	1.7546362500
## 52	0.575528064	-1.34138501	0.252069405	-0.111596381	-1.6084879864
## 53	1.112206795	-1.08037379	-0.516639331	-0.456580209	-1.5867018036
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## 56	-0.259589525	0.01699376	-1.037891372	2.163007571	1.8993976778
## 57	-0.500247523	-0.42124415	-0.865313249	1.207852133	0.3431958614

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## 58 0.935954411 -1.31663556 -0.178296780 -0.241169117 -0.3568372183
## 59 1.493559088 -1.06999033 -1.154303262 -0.486922327 -1.7984803070
## 60 -2.773125274 0.57256557 1.085877422 1.385187515 0.6598732490
## 61 0.998044259 1.04427222 1.159037090 -1.310004963 -0.0419519323
## 62 -0.037301387 -0.37512661 -0.109596844 0.443582822 -0.8470848182
## 63 -1.946291053 0.57476186 0.173400061 -0.670565819 1.9308041490
## 64 -0.175252859 0.30525708 -1.130885336 -0.011275751 0.6115402343
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## 66 0.807647116 -0.67930477 -0.897851036 0.015701631 -1.6529473460
## 67 -0.551631138 -2.51771723 -0.009927986 -1.031246118 0.6044319859
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## 111 0.064312379 0.76333376 0.337243792 0.322509021 -1.3027714434

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## 112 1.068259238 -0.17963527 0.732512726 -1.437816837 1.1751458969
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## 131 -1.354171533 -1.06642272 -1.236574035 -0.965345285 1.3060822392
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## 147 0.268973107 -1.01142247 0.455711581 0.876509362 -0.2777008198
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## 149 -0.071882837 -0.13159215 0.205084338 -1.852706269 -0.5658679267
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## 155 1.538956266 1.11538150 -1.483056313 0.236090894 0.7864803503
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## 162 -0.421343225 1.54136350 2.187280504 0.220810214 -0.3873639732
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## 165 1.512244271 -0.58450365 0.782284166 1.525046850 1.1719469107

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## 168 1.547326755 0.75173529 1.054023690 -0.553989296 1.5850083522
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## 171 -0.357715692 0.32819681 0.560759551 -0.334818610 -0.2470211772
## 172 -0.140660811 -1.97428501 -0.010587634 -0.346324093 0.8512159921
## 173 -0.409746758 -0.24767790 1.596370098 -0.892713491 -0.6811642844
## 174 -1.737932957 -0.87868856 -1.266209108 -0.765544703 0.3849862433
## 175 -1.427079270 -0.04713133 -0.078973571 0.394621500 0.9071336349
## 176 0.232073724 -0.48241426 -0.392648087 -2.386407897 -0.3761456764
## 177 1.318065868 1.29809338 -0.740570588 1.747968289 -0.8182394078
## 178 0.987695510 -1.64345430 0.470948528 0.505836553 1.1819581479
## 179 -0.222433541 -0.19265837 0.035003882 1.478482835 -1.5565072857
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## 183 0.733451864 0.54216964 -0.921457716 -0.605842577 0.3577437493
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## 185 1.606967078 0.21441504 -0.766957857 -1.189409895 1.0265652792
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## 193 0.551949713 -0.19263810 0.383031257 1.566418034 0.0470135831
## 194 -0.968366081 0.83301759 -0.173012337 -0.519300442 0.1237058954
## 195 1.064516131 -1.27485163 1.525026203 -0.097886080 -2.3347389367
## 196 -0.911101106 -0.15258944 0.272836257 -1.196155101 -1.1593848641
## 197 1.376390332 -0.76701749 0.882857871 0.267046077 -0.1903190766
## 198 -0.694409776 -0.51989744 -0.635215519 0.935424066 0.5131266388
## 199 -0.096869476 -0.77962168 -0.552323556 -0.722096093 0.5261859929
##          V193          V194          V195          V196          V197
## 1 0.592849487 -1.0069599888 -0.65434602 -1.571297290 0.506546314
## 2 -0.164401268 -0.6139990303 -1.77521052 0.150303123 1.680379419
## 3 0.323534774 0.2902090706 0.17217599 0.260437379 0.095438413
## 4 -0.223056115 -0.7581928455 0.51081467 0.880832339 -1.137725153
## 5 -0.134015981 0.6974113919 1.04531458 -0.953556327 0.316141071
## 6 0.411542648 -0.3378407392 -1.61618542 -1.391282195 0.134053645
## 7 0.470034318 1.0748415067 -1.15227995 -0.529524877 -0.070228954
## 8 -0.702784034 0.0692041503 0.13893377 -0.864498553 0.450415442
## 9 0.889151000 -1.7503583241 0.07617466 0.162341271 0.648487565
## 10 0.683707040 0.0070391042 -1.21205913 1.060086277 1.297604808
## 11 -0.967808193 -1.5699711242 -0.83830274 -0.843789595 -1.510386179
## 12 1.081757726 -0.9884335659 -0.78755704 -2.945961163 -0.742292639
## 13 0.313221062 -1.3951136802 -0.01221239 0.631707128 -0.804745346
## 14 1.161120851 2.6048177916 -0.56551280 1.493879882 0.509438122
## 15 1.310615662 0.8099741142 -0.35645013 0.084869438 0.391136074
## 16 -1.366972906 0.7568610769 -0.79868510 0.296739461 -0.162325057
## 17 -0.007185073 0.1152944221 -0.14321184 -0.258787971 -0.398925526
## 18 -0.835542007 0.0498557670 1.26065799 -1.232996059 1.439844511
## 19 -1.318242688 2.2760001829 0.86214324 0.008577602 -1.088752884

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## 20	0.271108667	0.3433636474	1.53009958	-0.540447612	1.388165771
## 21	-1.503592184	1.0901431836	-2.60250435	-0.444038541	0.588323114
## 22	0.235413150	-0.1273170941	-0.79508619	-1.824996630	-0.846153819
## 23	0.784938149	-0.6584948392	0.01779273	0.003798302	-2.929608522
## 24	0.734437298	1.3771284791	-0.75547981	0.843951924	-1.327933832
## 25	-0.088155352	-0.5830997744	1.23678561	0.255288721	-1.408753999
## 26	-1.825127513	-0.6639597776	-0.94720122	-1.162475826	-1.543307995
## 27	-0.619924494	1.1574303804	0.42610730	0.784168074	-2.853666911
## 28	0.083775359	-2.3082843177	0.45567400	-0.560237554	0.003338001
## 29	-0.066958926	0.9511711374	-0.76940093	-0.344035804	0.430292845
## 30	0.826450330	1.4643817524	0.04000319	0.557556859	0.235002687
## 31	-0.205983384	-0.1345043827	0.67040722	-0.409520380	0.685075967
## 32	0.673935810	0.1719172807	1.54859346	0.282864747	-0.314352348
## 33	-0.458418626	-0.8049665110	-2.03938676	2.222897615	0.338962369
## 34	-0.041116789	0.5549621712	1.62241975	-0.122639413	0.337745653
## 35	0.633169781	0.8193404969	1.01600508	-0.006145475	-0.128257299
## 36	1.805736179	0.7678914434	-0.93101442	-1.673698856	-1.186150276
## 37	-0.204213340	2.0695809059	1.07250309	-1.859424976	-0.530495645
## 38	-1.466794111	-0.1024195832	-0.01332585	-0.921195904	0.111719883
## 39	0.325449316	-1.1158057395	1.54951208	2.536818125	-0.422970273
## 40	0.235961088	-0.9156045264	1.78402573	1.961861405	-0.730724508
## 41	-0.073381297	-1.4123975466	-1.52511399	-1.906176357	-0.935562982
## 42	0.553747250	0.1593076405	0.43622091	-0.824612096	1.000465568
## 43	0.529906571	-1.3474009221	0.23398652	0.980682915	-0.173715497
## 44	-0.739561317	1.2720872968	-0.79590623	1.203290884	1.210868340
## 45	0.529103248	-0.0419790592	0.10504258	0.141999447	0.774311968
## 46	1.191542534	1.9295582852	0.35998097	-2.084418953	-1.239456253
## 47	0.732658651	-0.8196200803	-1.30281777	0.446406136	0.875518868
## 48	-1.281295501	0.0537833314	-1.32261969	0.264268710	0.058292889
## 49	-1.543212079	-1.9257012090	-0.71158437	0.684333778	0.178420724
## 50	1.334506710	2.6530470907	-0.67949813	2.333676441	-0.940147185
## 51	-2.675595978	-1.2794939720	0.57439253	0.263839069	-0.375040608
## 52	-1.063309101	1.3153682532	-0.29665011	-0.654285222	1.663644900
## 53	-0.843977252	-0.2055124324	-0.18469123	-1.431250141	-1.290429493
## 54	-1.979378212	0.5572189061	0.85194735	-0.927590316	-0.832505149
## 55	1.720008955	-0.3086594135	-0.83529434	-0.048218616	-1.194866749
## 56	1.460264784	-0.3657847272	0.34534013	0.635260688	-1.367373777
## 57	-0.289684593	-0.8108901167	0.34149431	0.390334266	-0.631437210
## 58	1.197114861	0.6797673629	0.26166391	-1.285450250	0.367055067
## 59	-0.175279525	0.9315882495	0.01364333	0.208059384	-0.740025474
## 60	0.495119826	0.8028132038	-1.90242911	0.328380087	0.608781930
## 61	-1.093411767	-0.0401180358	0.01125207	-0.357427570	-0.319655329
## 62	-0.479538783	-0.9630901935	-0.95289918	-1.456989985	-0.639435183
## 63	-0.173608569	-1.3148486404	0.71323307	-0.043567991	-0.568473632
## 64	0.308201281	0.3674521677	-1.14987915	-0.816013771	0.944510495
## 65	-0.267378992	-0.2137728495	1.45576232	-0.659973109	-0.403947944
## 66	0.523293938	0.9157501025	-0.06668095	0.524245436	1.682475393
## 67	-0.567822864	0.5690499856	-1.27262824	-2.436985102	0.621455635
## 68	-0.216653888	1.3954908671	-0.51047972	-0.461064214	0.212578658
## 69	0.468554430	1.5034285595	-0.88993808	-1.654657168	0.081591373
## 70	-1.039601302	0.2357848281	-0.23047388	1.080638217	1.710434888
## 71	0.541335992	-0.5127780324	1.37517063	0.635063770	1.641598602
## 72	0.230772454	-1.1966126310	-0.02995834	0.260415214	-0.498921753
## 73	-0.849124517	1.6097120547	-1.64209791	-0.815426613	-0.960765000

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## 74 -0.050860957 0.2947456302 -2.31523397 -0.071326143 -0.973107389
## 75 0.607935115 0.5409683924 -2.09589371 -0.418454885 0.097638095
## 76 0.449581119 -0.3728565034 0.55461941 -0.156637118 -0.391855569
## 77 -0.053274080 2.3699308877 0.72028189 0.191646331 -2.117494276
## 78 -0.295252023 0.9002621930 -1.53646138 -0.912852927 0.422743217
## 79 0.266282212 -2.6820069706 -0.62955274 -0.743521256 -0.277010294
## 80 1.680001727 2.2270424105 -0.84172593 -0.788483965 -0.695828876
## 81 0.005433631 -0.2405003583 -0.85563676 -0.993060418 -0.756894308
## 82 -0.183519265 -0.5967723601 -1.04485710 0.144868490 0.085508749
## 83 1.154325183 -0.7706869153 -0.21916913 -0.297883733 -0.782178807
## 84 -1.725289588 -1.3585413061 0.29742163 -0.287124313 -1.406344041
## 85 0.484504403 -1.5299989608 0.19800642 -1.344908396 1.609467216
## 86 -0.513041980 0.3014211455 -0.55761397 -0.395144293 0.534862955
## 87 0.024075702 0.1603394360 1.37376993 0.056603420 -1.141929124
## 88 -0.711886710 0.2984893306 -1.24327758 0.465669993 1.671228583
## 89 -2.950535976 0.3189530207 1.27671288 0.759861243 -1.654522361
## 90 1.890043355 0.8584000192 0.04798652 0.737012220 1.493348748
## 91 0.251389371 -0.7849317609 1.09640166 -0.536985560 -2.283172044
## 92 1.404129698 -0.4416994539 -0.43832786 -2.894639220 -1.266233973
## 93 0.638070890 0.7364225283 -0.11934487 1.069597458 -2.261056960
## 94 -1.065087935 -0.5946604800 -0.31819350 -0.590438318 -0.219821819
## 95 0.684956625 -0.2923894990 1.01407782 0.078357610 0.981327771
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## 102 0.190263841 0.6920290870 0.26423301 -0.092449945 0.826207088
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## 104 1.477953290 -0.3422853703 0.29878858 -0.216034858 -1.429192588
## 105 0.065528846 0.1825257543 1.54551730 -0.695194915 -0.283641726
## 106 0.573650896 -0.0329281794 0.29643047 0.354771296 -0.158898004
## 107 0.486915481 -0.4552323382 0.38954584 -1.428958526 3.044472988
## 108 1.010741711 -0.8671516560 -0.77696637 0.418083507 0.246698363
## 109 -0.184027934 -0.3503112026 0.75617076 -0.556170064 -0.332964490
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## 112 -0.035282201 0.6666278545 -0.26373087 -0.483215398 1.022023305
## 113 -0.730712841 0.3560246087 0.61354720 0.029302052 -1.384725000
## 114 0.164498420 -0.2882628487 -0.86577241 0.213862045 0.661855980
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## 116 -0.622105763 -0.1913853337 -0.43972670 1.161114813 -0.034825782
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## 119 -0.362479418 -0.9119417852 -1.11553128 -0.039351190 -0.469375406
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## 121 0.586942308 0.2685870218 -1.84739906 -2.609380135 0.464461001
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## 124 -0.547781004 0.3179959715 -1.40816991 0.993222714 -0.218550109
## 125 1.616982037 -0.5152230337 1.43237534 1.688475260 -0.151721656
## 126 0.604880804 -0.1937488445 0.16569026 -1.719040386 1.664151996
## 127 -0.226369058 -1.0714057991 -0.35237138 0.163640879 -0.996699352

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## 128 -0.403297134 1.4519963483 0.62894414 -0.934044508 -2.274142021
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## 132 -2.368680049 -3.4053695935 -1.13779120 1.312138037 1.432403541
## 133 -0.550134186 -1.7392032771 0.78463530 -0.537502298 -0.191700274
## 134 0.393096864 0.2251959707 1.12743106 0.856579617 0.200319957
## 135 -1.053576911 -1.0969751148 -0.76646962 1.191284794 -1.293658845
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## 143 -0.664632495 -1.3128568715 0.17256672 -1.158235609 -0.917593290
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## 154 -0.379160790 -0.0868046904 -1.25847134 0.039403406 0.980031556
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## 156 1.568460829 0.6767754388 -0.23843417 1.194370371 -0.367447965
## 157 -0.971465196 0.7401205683 -0.11970062 -0.261034717 0.505066370
## 158 1.356316894 -1.5873064917 -0.24410890 0.074034944 0.495280790
## 159 -0.660218569 -0.2260356482 0.19143335 1.239258132 0.017541371
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## 163 -0.093595048 -1.8312844987 -0.47411802 -2.020739661 -0.972111228
## 164 -1.205420915 0.5157822247 -0.48313670 0.459981529 0.501292568
## 165 -0.209293848 -0.7913382662 -1.05635157 0.312456158 1.693464051
## 166 1.112008854 -1.5760622209 0.04377777 -0.076494168 0.105656134
## 167 -1.388289479 0.7549825948 -0.19720161 1.983952983 -1.257570477
## 168 -1.396415776 -0.7533107542 -0.96933141 -0.767976418 0.269887722
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## 170 -0.669957635 -1.9948672154 -0.30690025 -0.230569917 -1.467094043
## 171 1.337577061 1.9388077977 -2.62378042 0.584171772 -0.155687911
## 172 -0.071555317 -0.9199277890 1.51403016 0.402254747 -0.918539241
## 173 0.404557671 -0.3856434083 1.19146691 0.649041444 -0.168289719
## 174 1.180956735 -0.7352348932 0.31818567 0.285495224 -0.380563213
## 175 -1.928871730 -0.1721815128 0.19375211 -1.066698456 -0.912977884
## 176 0.328020562 -0.1493274268 0.38561477 -0.965141691 -0.242713246
## 177 0.244418621 -0.9255167000 0.20274536 0.189944447 -0.797089994
## 178 0.547373084 0.5035701494 -0.43681952 -1.340003034 -0.359002701
## 179 -0.529607832 0.0362370845 -0.38411058 -0.459992458 -0.133503394
## 180 -0.319725020 0.9937015254 0.45156635 -1.693515414 -1.039216416
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## 182	0.852006827	-0.2094562753	1.59846652	-0.590340802	-0.783886173
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## 184	-0.228067305	-1.5909143631	0.64471365	-0.458121215	-1.341740836
## 185	0.112642710	1.6155118553	-1.11370373	-0.749470678	1.580228017
## 186	-1.604847763	-0.1548261619	0.81578053	0.673031773	-1.517156419
## 187	-1.038137159	0.4777463679	0.21407961	0.644439438	0.131176731
## 188	0.663451706	-0.2541283758	0.51656466	0.659624309	0.131631607
## 189	0.503133626	-0.8350816996	-0.87989754	-0.414331489	-0.636534879
## 190	0.640939767	-0.5652093035	1.54273986	1.369944549	-1.306216703
## 191	0.956790765	-0.8842155015	0.35655110	-0.047284530	0.769230344
## 192	0.022123924	-1.0215722373	-1.27203278	0.234769433	0.627492430
## 193	1.236664846	-0.7017129568	0.44382009	0.249321686	1.173498756
## 194	-0.553013508	0.5477325169	0.26250778	-0.436585370	0.046915409
## 195	2.024696492	-0.8503574846	0.23166525	-2.136572094	-0.821433695
## 196	-1.899753813	1.3880490835	1.86582518	0.497986520	1.206354419
## 197	0.406118526	0.7137410926	0.71023507	-0.612623028	-0.233597804
## 198	1.120063226	-1.6505339063	-0.47803594	-0.253627833	0.796249415
## 199	-1.085779303	1.2705249840	1.43548635	2.200320708	0.787090846
##	V198	V199	V200	V201	V202
## 1	0.19418637	-0.3968299716	0.421745246	0.276815844	-0.481157712
## 2	-0.54579067	1.1105030075	-1.589604168	-1.317245192	0.202899954
## 3	-0.22267568	-0.5774011210	0.409407768	-1.085226548	1.138486593
## 4	0.83492817	0.6652045073	2.100785917	-1.524670539	-0.052620090
## 5	1.17345720	-0.5644836684	1.114928059	1.185045420	-2.038134932
## 6	-0.42532135	1.2305076018	0.573204406	0.079398666	-0.166735345
## 7	-0.26823822	0.9108007279	0.314593777	-0.791482222	1.295459139
## 8	-0.51391260	-1.1423073689	-0.984666445	0.568047305	1.285111626
## 9	0.09206859	0.6790822167	1.730805506	-0.746623697	-1.252018469
## 10	1.04981629	0.3582203414	0.800621567	-0.195586916	-1.411981013
## 11	-0.56415785	1.0283282885	0.142310821	0.159660404	0.769894541
## 12	-0.30312327	1.0777975723	2.093405933	1.120220952	0.029941098
## 13	1.08066233	-1.7667234579	1.152719965	0.969685698	-0.402145569
## 14	-0.32773731	1.0477954061	0.163989913	0.833607822	-0.399732191
## 15	-0.05683994	-0.4247383836	0.812077159	-0.847969609	-1.145162098
## 16	-0.58252392	-0.6169455684	-0.680543472	-1.600656672	-0.799500472
## 17	0.61076691	-0.8691289553	0.215489469	-0.835239906	0.609254194
## 18	1.72572531	0.1895237010	1.525432256	-1.333790105	1.059728860
## 19	0.69761069	0.2589906998	0.277726115	-0.217517130	0.500733598
## 20	-0.38559006	0.7381023722	-0.421325650	0.477863453	1.798745374
## 21	-0.55565001	0.3665824472	1.510310235	-0.493798455	0.199764564
## 22	-0.44571117	1.2474885445	0.112876058	2.186319066	-1.126024963
## 23	1.76831866	-0.1766434009	-1.053384156	-0.362512047	1.023668814
## 24	-0.22942663	1.0333354765	-0.789711402	0.542189798	1.815629962
## 25	-0.61235362	0.0413020367	1.169411569	-0.582677051	-2.229869040
## 26	0.40306080	2.0663732579	0.671646869	0.351079256	-0.480757268
## 27	0.21174788	1.5821903920	-0.256963145	0.420760480	1.390278060
## 28	-1.26326298	-1.6202505512	2.080789296	1.096859625	0.394246144
## 29	0.15343876	-0.5111607996	-0.399095372	1.132124815	-0.770343171
## 30	0.57442942	-0.4196248221	1.276661947	0.301394799	-0.498827848
## 31	0.29768855	0.1695139965	-0.301421438	0.513919552	-0.867799018
## 32	0.60645361	-0.3225446392	-1.683369569	1.547039390	1.296159364
## 33	0.58608497	1.3902852702	0.249547659	-0.336397098	-1.221537722
## 34	0.23811822	-1.0823584732	-0.697648101	-0.012103558	1.442903145
## 35	0.49307046	-0.2813784922	-1.189912570	-0.832094573	0.586732697

## 36	0.96376772	1.4145475677	-0.575533622	-0.237890194	-1.202190391
## 37	-0.96444912	1.1424643252	0.676616760	-0.845551065	-0.026271316
## 38	-0.06300032	0.3608822022	-1.055123623	0.069248295	0.721758982
## 39	0.36662142	-1.6546891845	-1.731287894	3.105373328	1.474761082
## 40	-2.62672102	-0.8748390610	0.252309978	0.273002479	-0.382542417
## 41	-0.73709206	-0.7670912555	-0.351943517	-0.133618309	1.143017723
## 42	1.04673664	-0.0339718144	0.954700680	-0.176876281	-0.323774633
## 43	0.54217015	-0.3866374384	0.285417306	0.441113827	0.794491242
## 44	-0.96145147	-0.6809166584	-1.562298982	0.327853404	-0.930534798
## 45	0.14990623	0.5879616558	-0.927670580	0.335872151	0.484814594
## 46	0.79566882	0.7063188867	2.263625731	-0.425949165	-0.233111472
## 47	-0.69039081	-0.7306757740	0.119714826	0.794390402	0.866775460
## 48	-0.25596617	-0.4229589202	-0.312927887	1.281008910	-0.837516828
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## 52	-1.78045181	1.3733263814	0.477754133	0.530382636	1.908015514
## 53	-0.12785323	0.2601579239	-0.014726031	-0.095352339	-0.554198848
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## 63	-0.20745016	-0.4792688873	1.260928839	0.532839967	0.717564714
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## 71	-0.56707381	1.1537111286	-1.152281796	1.815774206	-1.078956920
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## 88	-3.46205977	0.7035912000	-0.446183068	-0.930901582	-1.322215298
## 89	-1.94773082	-1.2919164251	-1.372355897	0.898625621	-0.797585074

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## 93 -0.07182747 -0.6011473454 -0.715411928 -0.165757418 -0.115538394
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## 182 0.82474725 1.6888866851 2.394775806 0.046420814 -1.042301897
## 183 0.06084689 -1.4257887684 -0.968249998 -0.307710756 -1.977079638
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## 185 -2.46586962 0.0803987217 0.443169520 -0.977763399 0.738482176
## 186 -0.26159752 0.1988926620 -0.100340665 0.871723324 0.189525942
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## 192 0.03020550 -1.8708735743 1.295545788 1.324018077 0.085102674
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## 194 -0.64026970 -1.1924760761 -0.312005737 -0.932297063 1.542291916
## 195 -0.49104695 -0.2174224195 1.731687619 0.040157758 -1.268888145
## 196 -0.19974631 2.2437775179 -0.372256311 -0.034087663 -1.982256193
## 197 -1.86919072 0.4005667383 -0.691461225 0.194502370 0.196267634

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## 2	-0.354509034	0.04270763	-0.495758540	1.6119309483	0.3169899078
## 3	-1.499476915	1.88666152	-0.299449574	-0.0373751530	-1.3542755165
## 4	0.541380475	0.37147825	-0.232501314	-1.0920729425	0.9865878629
## 5	2.008147874	-0.58928342	1.103007630	2.8706522839	-0.1767898450
## 6	0.488619771	-0.11069733	-0.032024439	0.1052013318	0.4775735144
## 7	0.888540452	-1.22946999	0.069936835	-0.0693635873	0.7128317550
## 8	-0.904285964	0.78613565	0.048542748	0.2393416612	-0.4899892741
## 9	0.555705999	0.17777077	0.764966997	0.8777131709	-0.6540202990
## 10	-0.560528284	0.05140124	1.849148180	-1.0671535398	-0.4123187908
## 11	1.313638393	0.57608721	-0.972210551	-0.0478945424	1.4581306479
## 12	0.465727122	-0.70730261	0.253526910	-1.1113998203	-0.1964811147
## 13	-1.045782929	0.21378533	-0.118353633	-0.1824827881	0.6702057619
## 14	0.137961241	0.53296976	-0.613093825	0.8353424254	-1.4016004656
## 15	2.185331626	0.07470147	0.832076396	-0.8266560393	0.4479227305
## 16	0.425875159	-0.88599969	-0.484229090	-0.5117786601	1.1912015853
## 17	0.557945685	0.42055616	0.504233326	1.2211802664	1.1433718208
## 18	0.933333982	0.42016704	-0.228649249	-1.9557567207	-0.8653675177
## 19	0.282994827	1.06960445	-0.642208805	-0.1684262767	-0.8675908620
## 20	0.812159467	0.37755263	-1.342315821	0.6885828441	1.4943113807
## 21	-0.290421258	-0.56916603	0.504542607	0.2017476173	-1.1096323657
## 22	0.084767638	3.07944108	-1.931923814	0.1924941559	-0.4076975425
## 23	-0.034629814	1.60984985	-0.892285125	-0.3914020350	-0.8731519045
## 24	0.717244136	-0.46674938	-0.090358074	0.6905138690	0.2548489975
## 25	0.740121336	-0.78622989	-0.838904490	0.2920850633	-3.5381631034
## 26	0.444892385	0.28094957	0.510292686	-0.6538862243	-0.2295397631
## 27	1.075085997	0.86402979	-2.783550903	-0.4865977249	-0.9000024220
## 28	0.852443515	-1.33075419	1.875971630	-0.7489120288	-0.4879146727
## 29	-1.285806564	-0.82694530	1.366466565	-1.3582214607	0.4045545776
## 30	0.161851422	-0.95500481	-0.719816265	-0.2114021103	0.7169089889
## 31	0.972525514	-0.11436003	-0.202716967	-1.1892118087	0.8570869979
## 32	0.683354729	0.93967757	-0.310856066	-0.7028064932	0.1210917945
## 33	-1.024809718	-0.14140752	-1.464515746	1.1434373066	-2.6065458326
## 34	-0.676010103	-0.94153294	0.021691258	0.6998272621	-0.5631111389
## 35	0.600161559	1.65703112	0.281806650	0.5356874979	0.7166064311
## 36	1.971446674	0.34464740	1.011602542	0.5428905394	0.8154993118
## 37	-0.955129530	-0.70504942	2.685137955	-0.4885906433	1.7767840664
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## 40	0.800206338	0.62652931	-0.323149026	-0.8578262725	0.1284576617
## 41	0.830908283	-1.24652243	-0.336588174	-1.8776931142	0.7536365090
## 42	1.032299862	-1.63804900	-1.380102804	1.2408012291	0.4994019029
## 43	0.840632246	-0.19449264	0.382271231	-0.0171020227	0.4307750956
## 44	-0.554176336	0.90608624	-0.259578917	-0.5771301287	-0.4662753334
## 45	-0.130203927	0.06938814	-0.546961587	-1.7944687438	2.4248644815
## 46	-0.609026239	1.82841133	-0.421964082	-0.0900019602	0.7361111685
## 47	-0.428270206	-0.21833022	0.108095821	-0.4806005203	0.1086798326
## 48	1.117610043	0.52567220	-2.210416409	0.5278690064	-0.2435798523
## 49	1.275087538	0.46095649	-0.174235982	2.5441211324	3.7223886412
## 50	-0.282009885	0.34915389	1.130040525	0.7257267857	0.7402393585
## 51	0.041119868	-1.26296657	0.823687881	-1.0073156879	-0.8665200419

## 52	0.112377587	-1.27370310	1.648208848	-2.1331147960	0.4638953748
## 53	0.480133616	0.92755601	-1.595958068	1.4045753310	0.2890919856
## 54	0.012235134	0.23286311	-0.462299346	-0.9161528695	0.0932855796
## 55	1.160953627	-1.45660871	-1.408941354	-1.3647718513	0.4577125948
## 56	0.638622157	-1.96027392	-0.801985944	0.0369997803	0.7721498019
## 57	1.085984591	0.13920064	0.761151253	-0.1182221488	0.8052336345
## 58	0.256588083	0.54901839	-1.558481406	0.1283295525	-0.8447737879
## 59	-1.827744274	0.09343568	-1.291298475	0.0759276767	0.7496888836
## 60	-1.559063147	0.14096625	-2.436599314	-0.6051754321	0.0642992662
## 61	0.484935137	-0.35416023	2.194031859	0.8288735911	-0.2875664853
## 62	0.094453744	-2.69397733	-1.011255967	1.1581113043	0.9646863410
## 63	0.111896548	0.54244518	-1.027073545	0.9713255077	-0.4072657792
## 64	-1.804472423	-1.17521319	-0.264220881	0.2733616929	-0.7089568932
## 65	-0.647430856	-0.33970989	-0.893734795	-0.2091799248	-0.2626243312
## 66	-0.950562465	0.58078189	-0.636785284	2.5123532062	0.3051254294
## 67	0.447717468	0.83716338	0.255607004	-0.6428857962	0.5679709506
## 68	-1.028860363	0.12478440	-0.542266047	-0.2477037777	-0.9510248762
## 69	1.181359824	-0.65054516	-0.500438742	-0.6743489674	-2.2118277903
## 70	-0.772473187	1.24893579	-0.616234152	-1.6684080929	0.3859029481
## 71	1.250833309	-0.89053794	0.319495780	-1.6454943157	-0.8900724329
## 72	0.416774915	-0.63789693	-1.294723603	-0.5839300792	-0.2343242318
## 73	-0.930833770	0.90924079	-0.144874940	1.6099032334	-1.1154823158
## 74	1.419237923	0.86335954	-1.135507199	-0.4918491874	0.3799117288
## 75	0.013475702	0.44151045	-1.650379256	-0.2802635763	-0.5846344814
## 76	0.595604243	1.13846714	-0.026048889	0.6861366512	1.4420441862
## 77	0.354780872	0.14979991	0.598217538	1.0656658749	-0.7936737956
## 78	-0.219821940	-0.94768661	1.104263775	-0.0076768322	0.9527503268
## 79	-1.602727275	-0.79398783	-0.837374605	-0.4518162878	-0.0467280341
## 80	-1.243825429	-0.37480565	-0.089070072	0.6254833261	0.5178406401
## 81	0.560370190	0.96799273	-0.261395776	1.7040473429	-0.9236441393
## 82	-0.126366871	-0.71840754	-0.174145220	-0.2659767499	1.1992587231
## 83	-1.086510280	0.14528862	-0.001314726	-0.6369890102	1.7244087402
## 84	0.442187208	-0.67961229	1.596927149	-0.3512423590	-0.0560313478
## 85	1.520916549	-0.41506206	0.124998389	0.3687160473	0.5189486118
## 86	-1.092397351	-1.10537367	-0.425077781	1.0026927267	-0.0516538123
## 87	-1.839992262	-0.37446287	-0.346451022	-0.6417637367	-0.5076598281
## 88	-0.779957475	0.86590876	0.813675630	0.1736309302	-1.2741974009
## 89	-0.408083199	-1.64251621	0.322007610	-0.5272930121	-0.7639810528
## 90	-0.015109636	-0.20424373	0.348406546	-0.3402800040	0.3565441277
## 91	0.567936312	-0.44859586	-0.959878136	-1.3270893791	0.0450614850
## 92	0.319702437	-0.04777381	0.896760340	0.5564992976	0.8312851270
## 93	0.584491766	-0.65140984	1.140878941	-1.2628036220	0.1878442688
## 94	0.399370265	0.11442946	1.289189381	0.5665943203	-0.7423294262
## 95	-0.669893187	0.43724898	1.799534263	-1.4672270041	1.1807347291
## 96	-0.075756797	0.70085155	0.585580091	-0.6252935074	0.7186353751
## 97	0.388779078	-1.79274519	0.070610217	-0.8007553874	0.6963220725
## 98	1.659569836	0.51870425	1.670451203	-0.5579093400	-1.2469904964
## 99	-0.120182975	0.07413396	-0.055426780	1.8293570463	-0.6574512117
## 100	-0.605501419	2.65496809	0.578056149	-1.0159953957	-1.2111454887
## 101	1.081320260	-0.59415702	1.067830360	-0.5762873251	-0.8527754479
## 102	-2.700270811	-0.24923758	0.079925388	0.7429539622	-1.7823804042
## 103	0.716093740	0.42242974	-2.502164664	-1.3073924283	-0.6959337821
## 104	-1.021252194	-0.16319120	-1.690091805	0.5066297694	0.1809250592
## 105	0.056530264	-0.44193668	-0.857078881	0.3160821824	0.4293752887

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## 106 -1.609456746 -0.66053797 -1.482035982 -0.4534262402 -0.2918343802
## 107 1.337644291 1.98985522 0.671169650 -0.9313128176 -0.0003515232
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## 109 0.773192340 0.36072682 -0.743227572 -0.4130248418 -0.5263679875
## 110 1.588536915 -0.86490112 -0.176691362 1.4328786305 -0.1381444998
## 111 0.738351154 0.44887801 -0.930088961 -0.7448896502 0.6686602851
## 112 -0.920819392 0.86187972 0.137858558 1.3882439852 -0.6315336450
## 113 -0.062090648 -0.12184427 0.530173392 -0.3158184264 -0.3860803918
## 114 1.014783470 1.00812801 -1.322181206 -0.0859237910 0.0104506742
## 115 -1.800735936 0.97155316 0.079142727 0.2770827033 -1.1183559149
## 116 0.177519602 -0.08517992 -0.860890810 -1.4535487188 -0.7889169953
## 117 2.550403689 0.45546603 1.493028493 -0.2911229249 0.4791620391
## 118 -0.105745844 0.70721830 -1.560589677 -2.1483572197 -0.6091685829
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## 121 -1.266848538 0.72518346 -0.769821524 -0.0658167837 -1.2312141756
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## 123 0.717864318 -0.66960893 -0.924752043 0.8752562411 -1.5060207510
## 124 0.073188105 0.35356759 -0.876684148 -0.5972354056 0.7606684863
## 125 0.144692592 0.79131035 1.695118469 1.0172102300 0.4385320399
## 126 0.497677321 1.20505490 0.017565463 -1.1155913353 0.2403863346
## 127 -1.496571079 0.43990045 -0.830225003 1.2789873637 0.5863690529
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## 138 -0.838940825 -0.40263746 0.369714995 -0.2758055844 0.4650379257
## 139 0.314440635 1.66370880 -1.220656689 0.5264112903 -1.9760100516
## 140 -1.547429635 -0.64270890 1.185082680 1.0475769504 0.7305607495
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## 144 -1.540328019 1.84307302 -1.679511857 0.7400798990 0.4717968478
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## 149 -1.247749185 -0.50330889 -2.088796732 0.5220417194 -1.6848047210
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## 151 -0.147139985 0.51139125 2.046516196 0.3457318308 0.4132495652
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## 156 0.783020487 0.08939164 -3.052497373 1.9636888918 -1.0647558142
## 157 -1.312802784 -0.56813024 0.384751987 1.3143298180 0.1246562441
## 158 -0.315626017 0.29358258 0.976972203 3.0400039559 -2.6780649157
## 159 -0.763152604 1.35140960 -0.099841668 0.4506054454 2.2155010856

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## 160	0.832678191	-2.61581469	-0.209741039	-0.5433853561	-1.5197879535	
## 161	-0.042465988	0.54691056	0.228016675	-0.4091123934	0.6139466820	
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## 164	-0.181446933	0.15810892	-1.452914129	0.3991315898	0.6198071342	
## 165	1.026697646	-0.33851657	-0.636526857	-1.3381954534	0.0382689633	
## 166	-0.624341831	0.09813166	-1.611966440	-1.5479939208	-0.7056808347	
## 167	-0.343820243	0.41580274	2.296658428	-0.4131480788	1.7871465665	
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## 169	0.122365990	0.62479726	2.283727624	-0.5995559510	0.1676697204	
## 170	0.445585958	1.21827313	-1.157204588	0.2991020200	-0.4197874507	
## 171	0.539975972	0.99274745	0.164346550	-0.0355509514	0.4910638214	
## 172	-0.196472873	0.23070574	0.689437897	-1.5117939810	-0.0305923903	
## 173	-0.051338377	-1.91035807	-0.207671388	-0.7359457643	-0.0280548631	
## 174	-0.826883161	-1.74698627	0.933977079	0.3137727249	0.2856915558	
## 175	-0.142628201	0.57683956	0.465268563	1.3578240934	0.8316036976	
## 176	1.845091748	2.35299504	0.401208578	1.4460893148	-0.5087525328	
## 177	-0.306162485	0.12685692	-1.773534537	0.2792691693	0.5948140723	
## 178	0.620962061	1.36408783	0.759745529	-0.2880776002	0.7498687726	
## 179	0.368862264	-0.28395317	-0.375879682	1.4388677002	-0.7533806117	
## 180	-0.861220027	0.36046398	0.801630053	-0.5811394357	-0.4845521492	
## 181	-0.737634499	-0.57405991	-1.950091287	1.3212142111	-0.7083752905	
## 182	-0.907560923	-1.33667040	0.250969841	1.1545283017	0.0825959941	
## 183	-1.328551880	0.61348065	0.140201264	-0.3010502449	-1.1726193824	
## 184	0.810637367	-0.27968365	2.001880053	-0.6018007479	0.2959478903	
## 185	0.929385462	0.62940944	-0.384147608	-0.9270033093	1.0115166891	
## 186	-1.208309903	-2.27518314	0.932738078	-0.7961588743	-0.2440140743	
## 187	-2.609545014	0.28237026	0.057263282	0.7105813630	-0.7891827485	
## 188	0.487825410	0.23504012	-2.398868765	-1.7629353851	-0.4728673628	
## 189	1.941145056	-0.17428424	-1.306618531	0.0935894138	0.1681797497	
## 190	0.227531003	1.10237851	-1.145057868	0.6071117072	0.8264804925	
## 191	0.309019999	-0.65037184	0.492884044	0.2343810147	-0.4135809062	
## 192	1.148811728	-1.17058966	-0.390127822	-3.1973232607	0.6858412014	
## 193	-0.453607919	-0.96326782	0.028448736	-0.2850512435	-1.3825915736	
## 194	-0.860039708	0.34949633	-0.736274373	0.4141795989	1.0092966819	
## 195	-1.369178180	1.00258443	0.794575021	1.1364920591	-0.4499094406	
## 196	-1.270245447	-0.42234953	0.601113978	1.3749700165	1.9301856471	
## 197	0.702579792	0.12413103	-1.716184566	-2.4328236299	-0.3081551856	
## 198	-1.188725861	0.51767650	-1.153814342	0.1245923964	-0.3665840097	
## 199	-2.022461567	-0.41599828	0.470611817	-0.8739804610	1.3789200247	
##	V208	V209	V210	V211	V212	V213
## 1	-0.06847170	0.26286041	-0.29839401	1.230437312	0.587501726	0.292991703
## 2	0.22672376	-0.06875767	1.34600341	0.481888609	1.111555049	-1.171803577
## 3	0.09344329	0.86895735	0.25308872	-1.382088135	-0.496392642	1.259925092
## 4	1.90112353	-0.88854803	-0.14404077	-1.857648107	-0.413412811	0.888144064
## 5	1.11263656	1.80604017	0.07925071	1.386167512	-1.444698785	-0.361333972
## 6	0.67189173	1.07002835	1.18461122	-0.815265206	-1.672170051	0.548420499
## 7	1.08766509	-0.20119530	1.53709161	0.256991732	1.603037351	1.516161925
## 8	0.65889391	0.97692266	0.24953300	-0.016151722	0.021396981	1.258613303
## 9	0.76020246	1.25691130	0.32026439	0.825487547	-0.422249032	0.089985908
## 10	-0.44118921	0.61860001	-0.34161826	0.062156227	-0.290989259	-0.329593407
## 11	-0.76152473	0.33856232	0.46971756	-1.148473897	0.340133257	0.766687429
## 12	-1.14971312	-0.47829413	0.82259195	1.285856980	-1.385491352	1.756134398
## 13	-1.59772248	0.59925561	1.47442274	-1.010202098	-1.631500354	-0.437378776

## 14	-1.78413296	-0.24684846	-0.87814648	1.242010552	-0.524337839	0.518533583
## 15	-0.65024669	0.27511613	1.22730184	0.262245075	-0.218987945	0.401907928
## 16	-0.11432996	2.26538505	0.24415953	-1.508437329	0.753161147	-1.355561787
## 17	0.99200062	0.28573207	0.36904873	0.731628919	0.666694841	0.067773820
## 18	0.87746199	0.01960861	-0.17229192	0.724910870	0.515301367	0.235825385
## 19	1.55421371	-1.64762451	-0.21770825	0.894036732	-2.678806476	1.976705508
## 20	-1.29987709	0.78024887	1.33279565	0.396936654	0.214010565	-0.908356179
## 21	0.01557323	0.19552132	1.09317064	1.345029930	0.529927004	-0.388801854
## 22	2.56410939	0.01097695	1.63324259	-0.541631713	1.293319155	0.137200290
## 23	0.47812632	1.38254003	2.18946778	0.077656758	0.658153498	0.644818109
## 24	-0.46746830	-0.26625104	0.22214573	-1.440507409	-0.272843196	0.010667710
## 25	1.07482859	0.08192938	-0.61132009	1.283483584	1.231294570	0.761689389
## 26	-0.66407776	1.80748122	1.84092824	0.897008657	0.730497608	-0.427968219
## 27	1.07007291	0.04342691	-0.88456076	1.697221396	-0.677958027	0.183734386
## 28	1.34276607	0.06902787	0.79353727	-0.612849296	0.476370136	-0.806505594
## 29	-0.92780769	0.06639545	-0.08362940	-0.842462517	0.293988476	1.734250725
## 30	0.79234932	1.00963011	-0.08070361	-0.584029265	-0.519292883	0.105429769
## 31	-0.78176708	-0.89745964	-1.17358671	0.173176973	0.187846656	-0.308427225
## 32	-1.39958148	1.74885810	1.24466006	-0.413634062	-0.876264830	0.382919827
## 33	-1.44363777	-0.60043211	-0.73126506	0.578784977	-0.201886881	1.055335127
## 34	1.21428656	-1.84170726	-1.23953876	-0.284277311	-1.868551192	1.206756422
## 35	-0.02258569	-0.85321646	-0.98341325	-2.242543460	0.080412257	-0.997804534
## 36	-0.08229494	2.39578680	1.58442372	-2.809847383	-0.246954734	0.459574878
## 37	1.03897516	0.21336117	1.01787252	0.435079262	1.562405666	2.026049382
## 38	-0.66802358	-0.88326395	0.08307851	-0.009632116	-1.893911348	-1.727065024
## 39	0.53635034	0.48228115	0.40063637	0.848012698	0.277399362	0.819582757
## 40	0.21436922	-0.27052820	1.19494294	-0.657819626	-0.365224426	-0.197572549
## 41	0.58494848	-0.66308600	-0.36168224	-0.587468174	-0.219492225	0.122851022
## 42	0.39988971	1.48460233	-0.16758466	-1.064991920	0.379141847	-0.944910758
## 43	2.36213316	-2.02476364	-1.18545391	0.556737420	-1.041135980	-0.641833370
## 44	0.13973081	-0.29434122	0.69136655	2.255594060	-0.479592977	-0.455387934
## 45	-1.75314955	-0.80587255	-1.76212913	-0.088349281	-0.704588601	-0.322346547
## 46	0.57230574	0.91090020	-1.13847949	1.321565367	-1.247860060	0.031738095
## 47	-1.34197330	0.27499662	-0.03810375	-0.059463509	0.290498064	0.977453295
## 48	0.22424654	-0.55457219	-0.48771455	-2.706758111	0.641497755	0.945439742
## 49	0.53725179	0.20851454	0.01952343	0.194823358	0.316114996	1.368018783
## 50	0.43088946	-1.20376266	1.03855632	-0.968674332	-0.832248186	-0.889557680
## 51	-0.53855593	0.07238579	-0.65765735	-1.005531882	0.352004271	0.175270493
## 52	1.66989638	0.12332573	0.16878440	-0.108828870	0.777193206	-0.132290642
## 53	-0.33495357	1.33095219	-1.27051001	1.977657813	0.218246109	-0.259468675
## 54	-0.53149039	1.93737335	-0.75307648	1.454810588	-0.909211953	0.353590363
## 55	0.69657533	-0.10103525	-1.26371652	-0.799720259	1.541908433	0.870336079
## 56	-0.83378583	-1.34208382	-0.08027921	0.268416913	1.521733260	0.542221642
## 57	0.83552687	1.01181869	1.31439860	0.781220232	0.076997271	-0.310059486
## 58	-0.29103200	0.47150124	-0.36792215	1.639926966	0.297959329	-0.002697312
## 59	0.94991079	-1.48933211	-0.72800589	-1.943511115	1.217733944	1.163421589
## 60	-1.81306851	-1.35547084	0.54562595	-0.754942015	-1.479485525	-0.260067755
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## 62	-0.32175381	-0.75988376	0.88889084	-0.215601299	-0.199967967	-2.031729355
## 63	0.67406984	1.38895905	0.27043010	-0.983506446	-0.483488180	-1.237817994
## 64	0.89523765	0.65689220	-0.02872450	-1.180745704	0.768627656	-0.997006244
## 65	0.05100157	0.61611441	1.33807798	1.521006881	-0.735631929	0.469899221
## 66	1.61219862	0.51309055	-0.01978801	-0.258183280	1.661266011	0.456768824
## 67	-0.21534406	-0.78911134	-0.66173698	0.543397308	-0.298062726	-1.358739968

## 68	0.25413948	0.05507236	-0.31459968	0.153568270	1.039153838	1.964241743
## 69	0.17419862	-0.40431675	0.22382725	1.878343816	-0.038716096	-1.170758197
## 70	-0.85396339	-0.19508925	-0.41270334	1.564079720	-0.010118363	-1.006506762
## 71	0.44849888	-1.24673814	0.01071564	1.709084567	0.989834606	1.198998033
## 72	-0.01038010	-0.43014156	1.81458974	1.298074175	-0.196197262	0.345253879
## 73	-1.68088850	-1.61433207	1.05892341	-1.343634870	-0.342139890	-0.706016339
## 74	-0.13363526	-2.17293666	-1.27404980	-0.344032115	-1.054054420	0.173599513
## 75	0.38783355	-0.39454781	-0.40224844	0.485621060	0.950120747	1.218919762
## 76	-0.21634585	-1.53448503	-0.36400469	0.638306263	0.167951869	1.019526083
## 77	-0.64230417	0.49215879	-0.25174258	0.413924207	1.013902054	-0.939445564
## 78	-0.63589183	1.74233899	0.08372078	1.674984890	-1.564198099	-0.248107460
## 79	-0.07454657	0.32833702	1.47298630	0.977791553	-0.445950542	1.458041993
## 80	0.90323850	1.80220728	0.54602545	-0.902434764	1.962953653	1.292747550
## 81	0.46409118	-0.76058463	0.21988729	-1.045617112	0.670162665	-0.785832881
## 82	0.84634883	0.79883235	0.75276624	-0.082664447	0.588063277	2.684811740
## 83	-0.01577890	0.05550128	1.16878279	1.076698720	-1.656582321	-1.271057290
## 84	-0.38659404	-0.46368941	1.28462837	0.927148992	1.681555239	-0.685191534
## 85	-0.67283487	-0.86416675	-0.99496756	0.467674057	-1.206374306	0.790099257
## 86	0.38290443	-0.22653158	-0.64548717	1.364527999	0.760505599	0.135762850
## 87	1.76048327	0.31535680	1.58687334	0.527372537	-1.274106247	0.394318835
## 88	-1.08070230	1.16653846	1.63490208	0.285987928	0.077613667	0.153615658
## 89	0.89549295	0.59344807	0.20097658	4.070280386	-0.894865413	-0.117777227
## 90	0.10537009	-1.01731519	1.31529164	-0.030239133	-0.396327871	0.068319291
## 91	-0.25196495	0.24223418	-0.49495905	0.438736522	-0.470599968	-0.496986898
## 92	-0.47496045	1.42700412	-0.41054731	0.167426080	1.516651730	1.037351199
## 93	1.16667794	0.43898819	0.03054073	0.936327298	-0.166200330	0.581402034
## 94	-0.26024830	1.47809148	0.88336229	-0.073452571	1.173329542	1.802053931
## 95	-0.78610814	-0.41987319	0.45150411	0.138934600	0.524483025	-0.704090426
## 96	0.25872437	-0.52968348	-2.29788268	-0.068287781	-0.697516241	-0.140559604
## 97	0.40178698	-0.23356535	-0.86325406	-0.298365402	-0.973862849	0.066146888
## 98	-0.48013520	-0.23119954	-0.57199274	0.700321002	1.572242784	-1.041816801
## 99	-0.41576138	0.04849521	1.46097627	-1.290097547	1.768802970	0.264448232
## 100	1.63689804	-1.24697910	0.80443288	-1.384699950	0.191433278	0.001677822
## 101	-0.35411225	0.82527735	-0.09349666	0.971869043	1.634451877	-0.916456537
## 102	1.41064387	1.27197024	-0.76158094	-0.544419734	1.128197781	-0.980077457
## 103	0.40864820	-0.70501451	-0.27370380	0.436708475	-1.863718039	-0.407403528
## 104	0.06719981	0.54653256	0.24730197	-0.251864694	0.200153094	0.571467567
## 105	0.28976718	1.87700506	-0.45494424	1.744702623	-0.801397954	0.117503830
## 106	-0.17652542	1.11933914	-0.87094107	0.145628008	0.103247721	1.015329538
## 107	0.71155577	0.03999206	1.09489092	-1.654150709	-0.331111099	1.249262136
## 108	-1.50995653	1.24434976	-0.87360226	0.342862814	0.675549051	0.071461645
## 109	0.46024633	0.76256217	-0.52175899	-0.198355748	-0.509149564	-0.025577747
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## 111	-1.53640138	1.33412976	-0.24187405	1.112838997	0.284972994	0.099203862
## 112	-0.77581490	0.61025668	0.34516739	-0.859160125	-0.522129897	-1.859264539
## 113	-0.53229386	-0.14224007	0.51143827	0.703266670	0.625737983	1.256801920
## 114	2.07558387	1.04017829	0.30172468	1.250864102	-1.393564119	0.149720202
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## 116	-0.28117230	-1.81633290	-1.23312209	0.049999027	-1.468078164	-0.474300168
## 117	0.95067566	0.13998727	0.96803161	0.508514913	-1.480055407	0.381942787
## 118	1.00264259	-1.59879519	-0.87488147	1.101251723	0.006059897	-0.494100399
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## 121	1.12509331	-0.69842080	1.21553333	-0.334888855	0.238696563	1.265368200

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## 122 2.10984927 0.40076596 0.53252666 -0.989720019 1.477719584 0.948576451
## 123 2.06675313 1.76608663 -0.59636655 1.557884650 -0.017119081 -0.035320305
## 124 -0.65636826 0.54453750 0.73417168 1.351176932 -0.832357233 1.732397884
## 125 1.53598432 -1.41931561 -1.85325074 -0.289557923 0.193650108 0.500042418
## 126 2.15691017 -0.32172683 -0.56525199 2.606861970 0.147824204 1.359796360
## 127 0.48450989 -0.29592909 0.30245708 0.958855635 0.088314689 -0.852626846
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## 129 0.77344810 0.36221636 -0.61239304 -0.225696722 1.552510297 -0.346702170
## 130 0.43697402 -0.58613291 -0.78747083 -1.326035907 -0.190661161 0.682431217
## 131 0.04127234 -0.87126425 -0.41333635 0.638006898 -0.853500575 -1.364974135
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## 136 -0.13258671 -0.28904850 -2.31941499 0.769106395 0.774733338 -0.439429086
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## 138 -1.25535235 0.36301147 0.28830209 -0.156677427 -0.022660601 0.145755559
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## 140 -2.63602711 1.37815957 -1.91817139 0.071938193 2.043894406 -0.304182693
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## 143 0.49775789 1.49800527 0.03492015 0.352350261 -1.198942905 -1.504424877
## 144 0.19947495 -0.11805728 2.13702920 0.279031159 0.254988307 -0.401151080
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## 155 -1.03324026 0.62322401 0.28481010 0.198152513 0.166421417 0.361252763
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## 157 1.39784536 0.57745104 -0.05743347 0.017076942 0.286651454 0.308304570
## 158 -1.19845553 0.47669566 -1.32282525 -0.402143028 0.857722423 -0.588972567
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## 161 -0.41627185 -1.26237858 0.55786560 -0.151069142 -0.064074238 -0.490961007
## 162 -0.00215284 -0.56271918 0.81660071 -1.536270808 0.131144846 1.192524094
## 163 0.10440161 1.44970921 -0.31118328 -0.422695281 0.470410318 -0.666120793
## 164 0.13550455 0.56256136 0.50042454 -0.575797814 -0.555286290 0.191846809
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## 167 -0.52792071 0.70591060 0.89664561 -1.212322576 0.778916817 0.313751583
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## 171 -0.53435685 -1.63085448 0.43041243 1.437621012 1.461126230 2.870329659
## 172 -1.11451569 -1.55109102 1.78477086 -0.622464298 -1.097569374 -1.157185314
## 173 0.74511186 0.76169280 0.75143656 -0.567878197 0.110033103 -0.501433330
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## 175 -0.18017965 -0.64274198 -0.35289176 -0.004069887 -0.426418680 1.039110273

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## 176	-0.45524485	-1.13991627	-1.02056967	-0.038729243	-1.562759857	-0.299252805
## 177	-0.11995853	-1.69391301	-0.62991447	0.508748203	0.994375542	0.723506984
## 178	0.16383080	-3.40012984	-1.75218920	1.405543977	-0.108965159	-0.067759437
## 179	0.10877791	-0.75433997	-0.21311753	1.374894613	1.594163951	1.277433538
## 180	-1.40705544	1.85019052	-0.15603278	-0.771140817	0.523081058	0.305936537
## 181	-0.48637941	1.28622754	-0.73436043	1.978087286	-0.492274338	1.288032973
## 182	0.18931606	1.66373261	-0.95709690	0.535564686	-0.936288862	0.187631546
## 183	-0.93162205	-1.61888416	-1.01612203	1.320827019	-1.854694364	-1.054652902
## 184	0.05773912	1.44717435	0.60066871	-0.263810948	0.290591686	0.303453971
## 185	0.22647531	0.91653936	-1.05893755	1.663379643	0.500805059	1.167106841
## 186	-1.40172309	-0.74179344	-0.49761878	-0.649070829	0.206045636	-0.185404506
## 187	0.10606120	-0.67872323	0.50580295	0.070757408	-1.094763655	1.237612570
## 188	-1.15945445	0.52096205	0.56296373	-0.199377355	-1.219208060	0.261293481
## 189	0.32496333	0.16682748	-0.91468602	-0.747592218	0.269323330	-0.724215163
## 190	-0.14602379	-0.39045799	0.78638777	-0.385066452	-1.177678141	0.404581139
## 191	1.34898262	0.37780546	0.22237692	0.128240577	0.503239015	0.365287728
## 192	-0.07509205	-1.73904901	-0.17762763	-0.320143359	-0.931411360	-0.975165996
## 193	0.80992161	0.28666469	-0.25729783	-0.087227515	0.572438429	-0.636094445
## 194	1.20294669	-0.10852175	-1.17890598	-1.266667703	-0.203824659	0.342666205
## 195	-0.47226152	-0.06016513	0.41458445	-0.055188349	-0.474051926	2.203316717
## 196	1.17640490	1.85567256	1.69593638	-0.524592976	0.460056422	-0.850475412
## 197	0.53837917	0.83181594	1.61929137	-0.289181205	-0.197740809	1.663536479
## 198	-0.79272064	0.14951480	-1.35871831	-1.037732925	1.090457907	0.124582210
## 199	-0.61277408	0.84416255	0.22732484	0.023044635	0.339634263	0.395589726
##	V214	V215	V216	V217	V218	V219
## 1	0.21305779	-0.588035663	0.68402405	1.24451928	-1.936077527	-0.2660237417
## 2	-1.37779160	-0.636446956	-0.24900570	-2.69167048	1.069657794	-0.8971991528
## 3	-0.29832348	0.079193161	0.17307996	-0.31852099	-0.242471300	0.3323403140
## 4	0.06433619	2.271710551	0.76298189	-0.72154821	-0.972311565	-1.6796017607
## 5	-1.46987848	-1.565293739	0.36712426	-0.57389052	0.024616674	0.1952645924
## 6	1.24429748	-1.515572544	-1.65009043	-1.53751467	-0.067347942	-1.0142433815
## 7	-0.49350276	-0.545745513	0.03020025	-1.81798507	-0.519125372	0.3691647713
## 8	0.68497119	-0.375670354	0.57026866	2.48734281	-0.236482029	1.1587843056
## 9	-0.53700635	2.759557632	-1.35944004	0.75450286	-0.755322491	-0.2259460946
## 10	-0.18527058	-2.779777267	0.47641372	1.26812864	0.474579078	0.3710644771
## 11	0.87797513	0.228300042	-0.18168714	-0.73682067	0.441553641	-1.3747938714
## 12	0.08061113	0.504483921	0.76472842	-0.08828427	0.805579202	0.9801522796
## 13	1.42840770	1.849335284	-0.97992173	1.01963386	0.661071373	1.6512925521
## 14	0.77876270	-1.058731915	2.19566966	-0.11407138	-1.372764668	-0.5391724004
## 15	2.17852717	1.038670925	0.17727527	-2.21459118	1.094103937	2.0074928656
## 16	0.35201449	1.565398015	0.74900255	-2.14198056	-1.247335882	-0.1178826505
## 17	-1.04015049	-1.774882796	-1.66344076	0.64867805	-0.341821320	-0.9668763300
## 18	0.44676312	1.468616528	-0.61122824	-0.44846717	-0.209613511	-0.5627887512
## 19	-0.82839442	1.231358277	0.29144539	-1.02245630	0.791186402	-0.2541800180
## 20	0.93326417	3.018517121	-0.44420791	-1.38044585	-0.729138685	0.6047218000
## 21	0.59182143	1.639501700	-0.73599348	0.28975468	-1.305115241	0.2413727250
## 22	0.27876611	-0.469272412	-0.89431446	-0.27054462	0.365919359	1.0354543440
## 23	0.27741623	1.728287502	-0.15556098	0.59890199	-0.656068314	0.3967171937
## 24	-0.78151904	0.450683288	1.73173962	-0.19588273	1.073338532	-0.2146168778
## 25	-0.71456984	-0.545210409	0.54919371	0.13783498	-0.787024171	-1.0733478795
## 26	1.49212813	-0.744255683	0.24086181	-1.32199405	0.670375005	-1.3324842186
## 27	-0.06642303	0.787942178	-0.98946845	1.06567960	-0.320783795	0.8868199407
## 28	-2.89169014	-0.263086438	1.23067177	2.61273073	0.381212777	-1.2086335355
## 29	0.16847644	-0.329848110	-0.81175455	-3.24545859	-0.083024332	-1.0499189643

## 30	0.22643812	0.076579022	-0.74815251	-0.42822422	0.195532584	0.3216054501
## 31	0.75592767	1.615669412	-0.05194424	-1.01079651	-0.180512889	-0.6046613626
## 32	-0.65689462	0.010266070	-0.64921332	-0.44031644	0.848841862	1.1254551803
## 33	-0.20946968	0.738890940	1.44134338	0.72947156	-0.185460858	0.2343492640
## 34	-0.95357507	0.239846521	0.06831403	-0.37309290	0.462083107	0.2320533536
## 35	1.26968298	-1.547526267	-1.42576695	-1.05060440	-0.098407473	-0.0695682048
## 36	-1.48694382	-0.049198671	-1.45320309	-1.39445520	-0.959125440	-0.8611889755
## 37	0.20216710	-0.105675427	-1.94509267	-0.48347321	-0.244203139	0.0945406081
## 38	-0.19936155	-1.485015771	-0.34148049	0.69613832	1.139819068	0.6833774503
## 39	0.37655350	0.138562150	2.59853073	0.10128791	-0.935795208	1.2506495009
## 40	0.30112330	-0.338137096	0.68320562	0.76047901	-0.445252237	0.7825485325
## 41	-0.64910435	-0.165143337	-0.92433148	-0.01811336	0.514589255	-2.1458827482
## 42	1.00241719	0.103594155	0.83656045	1.25084859	-1.343780813	0.1578396388
## 43	-0.95079365	0.746706694	1.34904778	0.57758081	0.450888889	0.3151407545
## 44	-0.86665011	-0.948219835	0.19146324	0.02132783	0.733238200	1.4499729458
## 45	-0.88429584	2.437451446	0.82190248	-0.85768453	0.425106246	-0.1727496908
## 46	1.00062904	1.042579297	0.67751030	0.87773250	-0.747342844	-0.3940858883
## 47	-1.13978428	0.814528796	0.04922914	0.14000891	-0.117158298	0.2655214655
## 48	-0.80790421	-1.490941521	1.41244465	-0.36376712	-0.773694948	-1.2767602354
## 49	-1.14882631	0.921107515	1.12455761	0.45577257	-0.587398771	-1.9037404182
## 50	-0.10117152	-0.872950365	-2.36145135	2.55241091	0.063257430	-0.3178507885
## 51	-0.24251993	0.273979241	-0.35048780	-0.52486832	-0.722326427	-0.9795951480
## 52	-0.83526502	0.758997205	0.06691546	1.36026238	0.840323825	-1.0001498744
## 53	0.69836850	-0.008651356	0.23441953	-0.82764436	-0.489419232	0.0483978818
## 54	-0.50532958	0.333604910	-0.24171288	0.62118136	0.285766047	0.9983446560
## 55	2.74712949	-1.089356460	1.29301599	-0.21254951	2.280029125	-1.3068723964
## 56	0.01961674	-0.401668464	-0.48023994	-0.12439145	0.287074557	0.2855375781
## 57	1.05396864	0.442237082	1.61257120	0.15373062	-1.287264361	1.9084577225
## 58	-0.75191255	-0.415230930	0.07534886	-0.59926341	0.201000705	-0.7158717052
## 59	-0.03467480	-0.084477527	-0.39893921	0.40769086	0.371194043	1.4103755142
## 60	-0.19373819	-0.857137275	-0.95773652	-0.56985538	0.628130241	0.0779871007
## 61	-0.34953838	-1.637800991	-1.01755611	-0.76595714	1.075817453	-0.0010037247
## 62	0.46514365	0.723727130	-1.06717742	2.19135061	-1.684043680	-0.4988375092
## 63	-1.31936483	0.574149815	-0.72831157	-0.28035974	0.095101510	-0.3277108035
## 64	0.24802149	-1.281100088	-0.49950940	0.21917719	0.876701984	-1.1618445240
## 65	-0.63790043	-1.248268369	-0.53843359	-0.06642187	1.322278336	0.0004812473
## 66	0.30200418	-0.137438390	2.48332788	1.33838600	-0.294924611	-0.3048885949
## 67	0.63513021	-0.064402540	0.74958899	1.65721100	-2.517014792	1.2262162679
## 68	1.38101892	-0.267850221	1.50331900	0.53089382	-0.395755509	-0.1282078680
## 69	0.53980192	-0.858708857	0.25992943	-0.55645623	0.308889141	1.5021037019
## 70	-0.02600693	-0.704032521	0.56742527	-1.77627461	0.574561849	-0.6495700959
## 71	-0.44886851	2.037730551	1.40197820	0.64172849	-0.748098313	-0.7128776577
## 72	-0.34985287	1.801409772	-1.21340983	0.42678554	-0.344562598	0.3716666705
## 73	0.81856222	1.021718618	0.34338068	0.08563910	0.335563414	0.7173464674
## 74	1.15360525	-0.703339602	0.91653951	1.81167797	-1.411518401	0.9756122771
## 75	-0.95395641	0.065250398	0.89770207	0.72983481	-1.936110933	-0.9151758704
## 76	-1.48400439	-2.213734658	-0.21995631	-0.58632861	0.180362147	-0.4582587391
## 77	-0.32816139	0.624855062	-1.06000265	1.70976876	-0.587505256	-0.3585802945
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## 79	0.73183896	-1.208144279	0.62867263	0.29704719	0.195428795	-2.6502733514
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## 84 -0.10806149 -0.933477016 0.54227055 -0.14380168 0.142605544 -2.2580596961
## 85 1.49296893 1.325493027 0.27331704 -0.16739651 -0.757035009 0.1845186495
## 86 -0.23538794 2.058029496 -1.12916338 0.78678792 0.759438834 -0.8746100217
## 87 -0.85548542 -0.943223289 0.90435845 -0.18360023 -1.111171385 0.1989186088
## 88 -1.67182633 0.972940731 -0.80902045 -1.18714441 0.251488090 1.1162336589
## 89 -0.51383596 -0.322608532 3.02381001 -0.14328577 -1.042029609 -0.7952033593
## 90 1.36012093 -1.289495823 1.75136503 -1.09329887 -0.955685456 1.2653079232
## 91 -2.88463661 -1.355536898 -0.27907820 0.19986781 -0.443041894 0.6197740335
## 92 -1.06509306 -1.583217312 0.97233229 0.02488161 0.929917502 0.2159858832
## 93 -0.01110149 -0.019742158 -0.66330715 0.62673563 0.216943008 -0.1202444315
## 94 1.21866166 1.048876290 1.06863569 0.45800649 -2.075534102 0.1603397730
## 95 1.04737707 1.624746560 0.79529117 0.21347098 -0.776443534 0.8860165910
## 96 -0.87010319 -0.516234748 0.38966510 -0.64253468 1.783210711 0.1465834495
## 97 -2.22177740 -2.313529872 0.17890494 -0.47752378 -0.387437824 -0.8968105766
## 98 0.24775702 1.035705068 -0.35734425 -0.27337114 -1.010944088 0.5099999298
## 99 -1.12312680 -1.056717552 -0.48169857 1.83156782 0.414669420 -0.6208943117
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## 101 1.01802226 0.658417654 0.65608614 -0.52541245 -0.261804645 -0.3829093365
## 102 -1.46228613 0.199397582 -0.25225479 0.42580350 -0.508860674 2.9553000661
## 103 -0.80376545 -0.336431293 -0.92653885 0.44792288 -0.193092527 0.3461818255
## 104 0.41022378 -0.075700034 -0.49460267 1.00451189 0.260353330 -1.6997119583
## 105 -0.91917529 -0.484282985 0.24985522 0.46277961 -0.164671353 1.0125369588
## 106 -0.61873450 1.431642329 -1.68789664 1.72112746 -1.314812085 -1.0689450030
## 107 -0.85597240 0.074741440 0.07479716 -0.35143110 0.580354184 -0.8201544537
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## 109 -1.01984764 -0.521880691 -0.07412220 -0.70982679 0.526549360 0.9681461024
## 110 -1.24298140 0.246325557 -1.14513562 -1.35301936 -1.413503503 -0.5554743801
## 111 0.11762322 2.344720335 -0.14496206 -0.20567479 -0.911500166 -0.4951853955
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## 119 -0.63529083 -0.354773961 -0.82395808 1.47965405 0.641460111 1.0172332939
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## 128 1.96392048 -0.348752591 -0.32425409 -0.12204062 -0.492776682 -0.5641317412
## 129 -0.56940803 -0.879592933 1.15852709 0.84006125 -0.151352218 -0.7093495861
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## 132 -0.75230059 -0.777544637 -0.26711018 -1.06792484 -0.328473654 0.4702924087
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## 138 1.19500602 0.837510288 -0.64606731 -2.05054914 -0.679424270 -0.5132099768
## 139 0.02705728 0.060233672 -0.80391974 1.29787604 -1.474516615 1.1015493553
## 140 0.14025773 -0.105167173 -0.15848364 1.01713546 -0.620186693 0.4639696490
## 141 -1.87734677 -0.485553493 0.56936882 1.28039562 -0.967961219 1.6047570801
## 142 1.19199476 -0.165415212 1.46262847 -0.37688186 -1.653410962 -1.2294050600
## 143 0.01349986 -0.714252016 0.05153421 0.12667932 0.994799414 -1.1796909052
## 144 0.26705225 0.907716364 0.54802115 0.56260704 -1.035844019 -0.5735735223
## 145 1.11440169 0.097224185 -1.03489473 -2.85169194 1.679068706 -0.4499594607
## 146 0.11380463 -1.079258564 -1.25099599 -1.41419150 -0.007647927 -1.3817012194
## 147 0.42220422 2.348327716 -1.22852797 1.48654913 -0.070853670 1.1436896936
## 148 0.47452792 0.605556201 0.09751391 0.18922384 -0.332817322 -0.0646123568
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## 150 -0.64981254 0.694803098 0.10524204 -0.66234171 0.241887862 -0.1768967359
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## 154 -0.15262599 -0.482436301 0.70331446 0.14592117 -0.348208247 -0.6683456132
## 155 0.52517154 -0.182278415 1.80860781 1.33121164 -0.198699503 0.2847062860
## 156 1.56588762 0.024708707 0.86380901 1.77372932 -0.003793663 -0.2842887995
## 157 -0.51441045 2.609775526 1.61233662 -0.47955777 -1.033573808 0.0340164263
## 158 -0.73009883 1.586174191 0.20407719 0.24115869 1.365772972 -1.1495772138
## 159 1.73251204 0.240232879 0.32112856 0.19677552 0.194916867 -2.1155356850
## 160 -0.53841486 -2.608807998 0.45068207 0.17305406 0.140619116 0.1327768115
## 161 -1.65005927 0.820681819 0.73210601 0.21216301 -0.394293197 -0.1946204838
## 162 2.58605176 0.865153224 -0.15972340 -0.41408695 0.381132174 0.8024052202
## 163 1.70471713 0.643203838 0.77641291 -0.56369847 -0.768085098 -0.8748747208
## 164 1.97514558 1.556397252 -0.25520940 0.07772576 -0.731526118 1.8225494082
## 165 -0.04735610 -1.240510992 -1.62359306 -0.44861441 1.053260758 -0.3784593652
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## 167 -0.26888191 -0.108475961 -0.59392885 -0.31804692 -0.289995130 0.3328316987
## 168 0.91460572 -1.819681057 0.74827934 0.45602450 1.546603096 2.1564856112
## 169 -1.27738560 1.007369272 2.55207317 1.08288464 1.674732136 1.6676846149
## 170 0.87407651 1.923536521 1.19013567 -0.81582596 1.013044795 0.5209038697
## 171 -1.11577182 -0.760775261 0.80927951 1.10120374 1.442371474 -0.5236912108
## 172 -0.15871284 1.472023975 0.46681432 0.28523790 1.644415949 -0.9215901381
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## 174 0.24612005 -0.202130397 0.54679413 -0.97461359 -0.241952625 -1.0813665406
## 175 -1.61235457 -0.778929057 -0.76203697 -0.60618899 -1.062319940 -0.9754270872
## 176 0.24296771 0.054774156 -0.04616329 0.58752762 0.903959751 -0.7121064964
## 177 -1.14653040 -1.097891878 0.02475220 -0.22134723 0.466123301 -1.1126205410
## 178 0.33766009 -0.221969339 0.69541114 -0.19040749 -0.231352189 0.0962328222
## 179 0.09009801 -0.079390109 0.27723136 -1.11839268 0.273195405 -0.0217537436
## 180 0.76761602 -1.363503567 -1.11236512 0.15011691 0.318095806 -0.4777112459
## 181 2.92838819 -0.186183403 -1.17468244 -0.31866676 0.494454743 -0.4709564917
## 182 -0.82577427 1.365601380 -0.71068477 0.55742173 0.520828482 0.2271428742
## 183 0.59435844 -1.419642213 -1.55033631 0.95184739 -0.533153655 0.9432238671
## 184 -0.44158040 0.308545392 -0.83814978 0.49296006 -0.138344583 -0.1038946290
## 185 -0.17651984 1.110235622 0.16365720 1.32886467 1.613305066 -0.3080198685
## 186 0.91646376 -1.890884684 -1.89498230 0.14563310 2.140508035 1.4997427177
## 187 -0.02655387 -0.992468262 0.70573929 -0.72078753 -0.344964646 -0.7142295963
## 188 -1.59285365 -0.208244806 0.96231970 0.78859609 0.899128021 -2.2891998898
## 189 -1.38207964 0.740593034 2.08496522 0.53475194 0.100123335 -0.8010054817
## 190 -0.11343278 -0.660627195 0.77979205 -1.31819374 0.890305756 -0.7289753836
## 191 0.32720277 -0.442628791 -0.58209612 -1.19518957 -0.539756758 -0.0056587990

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## 192	1.88524614	0.927589422	1.17969989	-0.67868285	0.628216122	-1.3272181230
## 193	0.73727466	0.078423077	-0.97935803	1.61046321	0.379760422	-0.3103871809
## 194	0.97830810	-1.471083966	0.54551402	-0.84865799	-0.807811495	0.4140964331
## 195	0.51098440	0.033209985	-0.30432333	-1.55180664	1.085121007	0.7304755249
## 196	-0.37712030	-0.398531019	-1.23821763	-0.76067419	0.084377413	-0.4982625295
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## 198	-1.13225108	0.573170079	-1.08556475	-0.50943301	-0.116320821	-1.0689230438
## 199	-0.28899263	1.123941242	-0.77478906	0.42404655	0.611820054	0.7838400481
##	V220	V221	V222	V223	V224	
## 1	0.23927616	0.343666418	-0.112584645	0.06685347	0.5486370937	
## 2	0.86798370	-0.343198749	0.073468510	-0.15515950	2.7554662118	
## 3	1.08361488	0.389572649	-0.126107028	0.59102353	-0.5655404398	
## 4	1.52410264	-0.400669169	0.615045033	-3.13847686	-0.4852931060	
## 5	0.18728149	-0.224884215	0.175312073	-1.91089760	-0.5670639917	
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## 9	0.27499449	2.556779955	-1.425411359	0.53950902	1.9365816758	
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## 18	1.07398085	-0.038569566	2.043941965	-1.76495981	-0.5339753846	
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## 21	0.78225101	1.117961333	1.038064875	-0.19936060	0.5683948661	
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## 23	0.26537321	0.774010047	0.271100221	-0.62961313	0.6720452852	
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## 25	-0.64210161	0.343430441	0.550314476	-0.91648008	0.2143868459	
## 26	-1.18279200	-0.414570347	-0.447369416	-0.42401961	0.6804060697	
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## 32	-0.10613912	-1.352439886	0.608671055	-0.45010267	-1.3563902214	
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## 40	-0.18685549	0.500311740	-1.151122114	-1.51613460	1.2160839442	
## 41	-0.69986239	-1.294842470	-0.472381314	-0.90745417	0.7849893869	
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## 43	-0.59679380	-1.089776783	-0.281235396	0.56011942	-0.8732863641	
## 44	-0.66314015	-1.160721996	0.061368463	-0.40423438	0.8968827553	
## 45	1.23923824	-1.450587209	0.935063377	-0.02459032	-0.9868748020	

## 46	-0.82606539	-1.651818105	0.190556865	1.04173868	1.1460531266
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## 48	0.52255998	0.007666427	-0.566533581	-1.13486308	0.7994392351
## 49	-0.34258362	0.929103903	-0.409768657	0.68957146	0.8168510503
## 50	-1.13409256	-0.097371059	1.129957117	-1.24763718	0.6929629922
## 51	-0.62403019	-0.335731582	-0.232711774	0.88814935	0.6501796381
## 52	1.42555851	-1.127191121	-0.848010579	0.32130492	1.0020985318
## 53	1.92551564	1.713309531	-1.914540966	0.54748131	-1.5215590696
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## 55	0.01772332	1.812678601	-1.335632880	0.99886549	0.4620881818
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## 57	-0.79942712	-0.173835851	-0.343211033	-0.18893080	0.9591885049
## 58	-0.80793541	-0.011409056	-0.854541774	1.28577760	0.2513198256
## 59	0.59869979	0.548096757	-0.603062959	-0.26634034	-0.0949567438
## 60	0.81867354	1.899784546	-1.880052342	-0.17497668	-1.2659198398
## 61	-0.20570348	-0.023764087	0.077406236	0.22758966	0.5186445466
## 62	1.15781007	0.118481019	-0.003471988	-1.56128097	-1.7094174829
## 63	-0.19430111	0.751405220	-1.447627202	-0.51157336	0.4584612969
## 64	0.67267843	2.321987786	0.686336841	0.23430229	1.9552332927
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## 67	1.05548320	0.292515156	-2.335942040	-0.84819256	0.7297827312
## 68	-0.07111428	0.372887493	0.600286122	0.83102507	0.6754131509
## 69	-0.09975743	1.009250591	-0.384974822	0.20395726	-0.4811739517
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## 99	-1.11870464	0.343055172	-1.528638631	2.04276240	1.2939426455

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## 100 -1.15736402 0.163010479 0.801502070 1.09568034 1.3177207004
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## 103 0.89514827 -0.562187671 -0.122484839 -0.45297707 0.6133959391
## 104 1.33105240 1.003100901 0.840397573 -0.78071456 0.1015611763
## 105 -1.48828235 0.102908861 0.498795674 0.98253707 0.9160939365
## 106 0.91006301 -0.650185856 0.464512505 0.28833444 -1.5928236179
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## 186 2.04381267 -0.858818784 -0.291999534 -0.48649170 -0.4378582226
## 187 1.60301951 -1.128854212 -0.599561515 -0.72355925 -0.3918739860
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## 190 1.63018023 0.243900872 0.324902668 -0.59060357 1.9659327568
## 191 0.41011261 -1.850623186 0.032500592 0.10625495 -0.1851160246
## 192 0.25295136 0.512184027 1.231594090 0.18322678 -0.7070008176
## 193 0.07245695 -1.382031372 0.292796314 -1.16671513 -0.7660483545
## 194 0.01603037 -0.824902551 -0.267760020 -0.73537508 -1.2149424337
## 195 1.33337497 -0.506610755 0.909122955 -0.49473765 0.2706553121
## 196 0.21588744 0.794837386 0.287404824 -0.81896391 -0.9528420279
## 197 -0.06917419 -0.606092320 1.186476458 -1.04959295 -0.3646463765
## 198 1.49027298 -0.200016911 -0.314576657 0.68419107 -0.3875049745
## 199 -0.66535538 -0.074184184 -0.477640784 0.91644110 -1.0687735574
##          V225          V226          V227          V228          V229
## 1 -0.2451046764 0.590021220 0.194494278 0.756717535 0.740956560
## 2 -0.9813532833 2.211021686 -1.747548047 -1.114826039 -1.673395354
## 3 -0.0304356795 -1.358436564 0.304869241 0.643006024 1.735758456
## 4 0.2509708860 0.325147847 -0.090545845 -0.381445205 -0.821431763
## 5 0.8186527296 1.784671454 -1.389166751 -0.162014960 0.423622915
## 6 -0.2257861950 -0.554924447 0.246818954 -0.778705165 -0.536892004
## 7 0.3938842644 1.057078785 -0.411176330 -0.383863242 -0.909125949

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## 10	0.2014199140	0.534577559	2.047813476	0.328593670	1.027784037
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## 14	-0.2291205962	-0.022495482	0.214815098	-1.002187416	1.158603873
## 15	1.4287905345	1.249069332	-0.156539804	-0.123010337	-1.363684972
## 16	0.8524236495	-1.380551178	-1.248126724	1.647990424	0.009746300
## 17	-0.1340027930	-1.687778623	1.730413529	-0.604422278	1.118030752
## 18	1.9815890002	1.266834278	-0.749799286	-0.052152984	-1.060378399
## 19	0.5583062155	-0.259397735	1.292853802	0.256660142	0.613796089
## 20	0.4905260831	-1.670285264	-0.004420416	-0.499711995	2.201599002
## 21	0.5554361239	0.108648390	2.234765978	0.800810003	-0.057962234
## 22	0.8852515904	-2.857254699	0.710648831	-0.442792543	-0.148349433
## 23	-0.1545575488	1.054736280	0.793361694	0.164132740	0.652615908
## 24	-0.8238259785	0.884148221	1.175156515	0.972374745	-1.473117807
## 25	0.5437064188	-0.444442162	-0.260633796	0.260381055	0.309682542
## 26	-0.2840847715	-0.065690755	-1.390793673	-0.352167176	0.313006585
## 27	0.6585479348	-0.423665385	-0.061785007	1.197058626	0.205734210
## 28	0.4063460230	-1.303319368	-0.396700222	1.862928663	1.107010565
## 29	-0.2481042404	-0.137130667	0.711332233	1.021198004	1.621124434
## 30	0.7155061364	0.600511303	0.587699384	-0.557647825	-3.105573159
## 31	2.0239603399	-0.852671951	-0.267643763	0.002977895	-0.079899029
## 32	1.2409935413	0.346003855	0.747481935	0.145539531	-1.526442508
## 33	0.8903974675	-0.817032751	-0.693743213	0.280250648	0.516272600
## 34	1.0983764254	0.410852818	-0.034958387	0.380369046	-1.224209591
## 35	-0.7761634722	-0.942431736	1.515478534	0.926490947	0.445864542
## 36	0.3946332210	0.542208083	-1.214225700	-1.930158234	-1.223455422
## 37	1.3670732636	-0.034658744	1.178894034	-1.211847946	-0.539897229
## 38	1.7029866591	0.505173113	0.396447134	0.464624273	-0.510640692
## 39	-0.0206718372	0.524082547	-0.239103270	-2.200061701	1.401645922
## 40	0.4906376380	-0.936518140	0.301928135	0.274565371	0.946021323
## 41	-0.5219371136	-0.925984438	-0.672393853	0.342719874	0.600298293
## 42	0.3668203844	0.517336447	-0.565769810	-1.351183227	0.328771459
## 43	-0.7816139985	-0.236374341	-0.275471504	-0.140270797	-0.477365460
## 44	-1.4097598423	-0.615263240	0.203534803	0.191009558	0.551528837
## 45	-1.3536109703	-0.190673797	-2.419876519	-0.524738472	-1.046076186
## 46	-0.2456768549	0.371942379	-0.201387855	0.045231388	0.844625189
## 47	0.0570293638	-0.072866217	-1.183052250	2.046560999	-0.315715074
## 48	1.2814878927	0.389506938	1.701539181	0.151505604	0.593881379
## 49	-0.0626944621	0.420329465	1.576632147	-0.042607090	-0.872723104
## 50	-1.0245927724	-2.300374589	-0.568622603	0.203687584	-0.366073090
## 51	0.6145036400	-0.535580266	1.340217611	0.450960407	-0.685675714
## 52	-0.3251046069	0.941944845	-0.853849765	-0.760054762	0.577016575
## 53	0.0798406891	-0.046089883	0.094531580	-0.650223946	0.553165704
## 54	-1.0407350251	1.889405642	-0.148676059	-0.631401259	-0.757289107
## 55	-0.4452988357	0.653396932	0.916770186	-0.127370818	-0.665651481
## 56	-1.9506063603	-0.101540341	-0.871567865	0.463798992	0.750015546
## 57	-1.2691582434	0.034083510	-0.275746648	-0.747210433	0.351488906
## 58	0.8521550402	-0.756520061	-0.915486263	0.441512397	-0.527594467
## 59	0.0558135282	-0.379802282	0.384041740	0.515352897	-1.124652660
## 60	1.7153957780	-0.454561587	0.579534540	0.580849441	1.126249301
## 61	-1.3419593477	2.443549071	1.701673192	-0.554835482	-0.731407223

## 62	0.2522295593	-0.331705191	-0.191846142	1.605401544	2.570518369
## 63	0.4517375886	-1.166052901	-1.102585773	0.111661137	0.593444671
## 64	-0.3922357377	0.197842232	1.181886565	0.524146382	0.534234328
## 65	0.1114677141	0.195062541	0.159167612	1.216047307	1.533499469
## 66	0.4292827814	-0.755432158	0.849923874	-0.992955470	0.446676658
## 67	0.1305427607	-1.807182011	-1.117462561	1.822279457	-0.146604346
## 68	-0.9148773458	-0.364730623	0.682652922	0.104342902	0.113304279
## 69	1.5494549586	0.178624431	-1.997780213	1.001801164	-0.980016136
## 70	-0.8995680276	-0.890987111	-0.174950214	1.847464507	-0.347832478
## 71	-1.2659804510	0.372805804	-0.304750651	-1.130322173	-1.276707762
## 72	0.9534359665	-1.312201778	0.497513430	-0.509548327	-0.102094350
## 73	-0.5019190721	-0.409719685	0.500694895	-0.345739085	1.254439852
## 74	0.9792010300	0.004430604	1.140092571	0.577556416	-1.113591992
## 75	0.4040982875	2.167999646	1.445309577	0.194093560	-1.475836050
## 76	1.3713180849	2.575069485	-1.588375385	-0.621705316	-0.874525872
## 77	0.5426403506	-1.534545774	0.801843387	0.457062271	-1.441422679
## 78	2.2749818329	1.166563792	-1.537414717	-1.557603336	-0.920640505
## 79	0.5148289828	0.581319564	-1.163912817	1.347017857	-0.133820062
## 80	-1.1491286412	0.310325364	0.661151536	0.898417441	1.558444050
## 81	0.4046620865	0.793952971	-0.368098838	-2.006378049	1.001797897
## 82	0.4740773228	-0.431930063	-1.004887906	-0.779620641	-0.821639551
## 83	-0.4852690624	-0.435669979	0.006033814	-1.814752825	0.596106443
## 84	-0.4710728575	-1.662474575	0.150805104	-1.108268972	1.389740887
## 85	0.5697010498	0.492443185	-0.258068001	-0.704295716	0.118574191
## 86	-0.5733782250	0.893193087	1.457171108	-0.128879644	-0.673289682
## 87	-2.8156789771	-0.446661554	0.553426649	-1.705936084	2.011168902
## 88	0.8887877150	0.723509580	1.184481662	0.252294975	-0.266635443
## 89	-2.9619941140	-1.589433689	0.147483692	-0.163126379	-1.501627319
## 90	-0.1806242360	0.486152720	0.344882796	0.181396992	0.742437243
## 91	1.4814460172	-0.585801136	1.161955463	1.187646791	-0.155135905
## 92	-1.4211133859	0.776739782	-1.032560658	-0.539860788	1.408393081
## 93	0.2999853811	0.427190205	1.431279532	0.413268879	-1.739648921
## 94	-0.0008824629	-0.526973041	0.599231876	-0.901506570	-0.725197044
## 95	1.5796830483	-1.744830253	0.759917784	0.494105132	0.316017871
## 96	0.6208589879	2.522863066	-1.372082133	-1.397778885	-1.030177360
## 97	0.0124744085	0.369686103	-0.719480646	1.254681780	-0.594036833
## 98	-1.4329498059	0.256822116	-1.582359095	-1.371053817	0.517487513
## 99	-1.3720205985	-1.228466476	2.891255746	-0.183381248	1.004815075
## 100	2.5502090909	-0.873296445	0.116489758	-0.756051679	1.021343986
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## 102	-0.9384405314	-0.982292840	0.869514401	-1.854945516	1.534455451
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## 104	0.1262087000	0.139353025	0.299194155	0.159850401	-0.116136617
## 105	-1.5047587789	-0.315370933	-0.568358902	0.557427146	0.313908660
## 106	0.5329226550	0.326413219	-1.177560549	-0.131426401	-1.009478990
## 107	-0.2797194666	0.152426888	0.929826827	0.950043867	-0.117560785
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## 112	-0.2397148440	0.914702431	2.254905571	0.200413006	0.297149786
## 113	-0.6467959082	-0.147798850	-0.428635248	0.260486995	0.110535228
## 114	-1.9341989602	-0.837421906	1.014746206	-0.828694162	-1.071175247
## 115	-0.0135655784	-1.645301994	0.408077758	0.611507101	0.198459174

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## 116 -1.9961518459 -0.139522129 -1.724809482 0.186362757 -0.700549174
## 117 -1.5483556084 -0.135429102 -0.057718307 2.716819045 -0.652846752
## 118 -0.4563651871 0.371171069 0.127328179 -0.267769400 -0.683852567
## 119 -0.2650996363 -0.969680281 -0.062926898 -2.054432990 0.577938839
## 120 2.1335003376 -1.164808884 -3.403464785 0.742500362 2.953807029
## 121 0.7079254992 -0.461060630 0.892444146 0.064322779 0.253946749
## 122 -0.1354373588 -0.216431344 0.281898754 -0.565651704 0.118158402
## 123 -0.8531573379 -3.619602973 0.043439883 0.598194214 -0.853924624
## 124 -1.4789610517 0.474275886 0.188421652 -1.025146122 0.374730298
## 125 -0.0003717210 -0.464101405 0.742220478 2.604649218 -0.886862229
## 126 -0.6773216885 0.305197545 1.659619917 0.474322832 0.588866595
## 127 0.1301250092 0.212267986 -0.132787195 -0.722608289 0.123047167
## 128 0.2808703599 -0.683939377 -0.544729859 -0.249550022 1.343113176
## 129 -1.2326897735 0.671693239 1.105854813 -0.267993424 -0.895575035
## 130 -0.4807308610 -0.453597690 -0.631700859 -0.720514679 1.117289443
## 131 -0.3369891322 0.999211164 2.360098358 0.558533160 0.461443181
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## 134 -1.8771024492 -0.486944040 1.184667139 0.253632218 0.099952928
## 135 1.1910672395 -1.022177526 0.603064715 0.072323536 0.295254178
## 136 -0.7279316940 0.688501995 -1.157010521 -0.603115966 -1.181383558
## 137 0.4843295897 0.282686315 -1.828743573 0.288260219 -1.032043629
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## 140 1.3035847979 -1.843178564 0.389531131 -0.302396366 -0.818536624
## 141 -0.3069022256 1.277873039 1.553617018 -1.116495777 0.774044514
## 142 -1.2688077393 -0.045991549 -0.600656196 1.283052721 -2.377233630
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## 144 0.1544648722 1.336384527 0.295827962 1.516330302 0.092275880
## 145 0.7117552841 1.606512054 1.289720209 0.502555761 1.640216659
## 146 -0.0767517176 0.409247981 1.343938590 -0.069174986 -0.466495825
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## 156 -0.2410356890 -0.071617298 -0.473255378 0.319953167 -0.560905018
## 157 0.2193600604 0.469057033 -0.767631680 -1.236891502 -0.608293000
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## 161 1.3304121484 -0.751086247 -1.258825268 0.994000334 0.669579603
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## 165 -0.1359448838 -0.508114318 -0.074337159 0.110214194 0.344838682
## 166 0.2493578112 -0.800723308 -0.278068160 2.196746904 -1.263896005
## 167 0.0451338881 -1.603877135 0.835917064 1.840551825 -0.383568245
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## 170	0.7498361209	0.650563186	0.219037530	-0.253215309	0.166902446
## 171	0.7660678148	-0.947840971	0.615507423	0.035836158	-1.799402157
## 172	-0.6304654680	1.307569708	0.500098347	-1.133635618	0.013025874
## 173	-0.5791155952	2.839477703	0.630549212	0.125732741	0.935854881
## 174	-0.0849497216	-0.123014453	0.330612920	0.310455508	-0.837960286
## 175	0.0652283844	-0.521749059	-1.233733651	-0.289269152	0.202274996
## 176	-1.2123354744	-0.060729798	-0.740140451	-0.168372078	0.037508927
## 177	-2.4507932698	-1.798767753	0.264620464	-1.539356596	0.794823314
## 178	-0.7042915745	-1.266245008	-1.487831668	0.822050449	1.434106751
## 179	-0.6870119472	-0.940708040	0.380020244	1.277964989	1.479575061
## 180	-0.4963661803	0.734840927	-1.183106757	0.935057797	2.799640764
## 181	-0.0986830716	-0.134596006	-2.088448531	-2.785029861	0.675929438
## 182	-0.2427836367	0.585545397	-0.919009870	0.091197000	0.620660276
## 183	0.3735861563	-0.321540259	0.251364002	0.695069431	-1.221933855
## 184	0.3563586916	-0.228339698	0.501538839	-1.389344037	0.254151399
## 185	-1.4007412649	0.433871768	0.648079010	1.006868856	-1.023919890
## 186	0.0866232059	-0.850266201	-1.443378271	1.351654821	0.918798687
## 187	0.9874791532	0.607828286	0.931799872	-1.804855580	-0.007928477
## 188	-0.4564877544	0.686638348	0.367088097	-0.062548926	1.091372140
## 189	1.1503236275	0.462861104	-1.390988475	-0.536170290	0.499798550
## 190	1.6312160877	-0.002667660	-0.097978984	-0.795464230	1.801331689
## 191	-0.1794621698	0.551429242	-0.699926888	-0.164780731	0.647910784
## 192	0.7485242010	-0.652621332	0.795084776	1.445507577	1.087989916
## 193	0.0469422558	1.842003284	-1.402951869	-0.571519415	-0.237012731
## 194	-0.3066589564	-0.066307901	-0.499511470	-0.151978280	0.352688304
## 195	0.3245319878	-2.499468744	-0.508681520	-1.806004021	0.182033013
## 196	-0.8331199588	-0.159346332	-1.714297676	-0.853259823	0.465337352
## 197	0.8795710360	-1.308018307	-1.302570131	-0.620188334	0.906475398
## 198	-1.0100088466	0.928664108	-0.960584193	0.342943909	0.716982412
## 199	-0.7850007473	3.110801470	-1.686587420	0.208379877	-1.719913514
##	V230	V231	V232	V233	V234
## 1	1.348340514	1.7435275980	-0.184541587	0.4642046451	0.531663876
## 2	1.959212386	0.3765111476	1.480023118	-0.6670500129	-0.111019787
## 3	0.731827813	-0.9953249501	-0.311396098	0.4448357057	-0.684917901
## 4	0.184715888	0.6962429920	-0.976071357	0.2528267388	-0.154913739
## 5	0.759350686	-0.9649914506	1.512559436	-1.0522468375	2.620180255
## 6	-0.437340590	1.0863327085	0.466426892	0.2493470618	0.267309616
## 7	-1.410967778	-0.4611877248	-0.585827650	0.1615553796	-0.030741629
## 8	-0.387710518	-0.5936748525	0.584225480	0.6266055438	-0.860182289
## 9	1.127904895	0.5058877798	0.382534159	1.5758483612	-0.949078149
## 10	-0.515426655	-1.1807972336	-0.514044989	2.2644600822	-0.169250429
## 11	1.392470933	-1.2344458453	-1.937576015	0.2475178631	0.145052197
## 12	0.980794563	-0.8422906415	-1.035040813	-0.3425314637	0.102895164
## 13	-0.044128798	0.7693077012	1.271095379	-1.5224306693	0.805118410
## 14	0.158156436	0.5503353877	0.018966361	-0.3092128195	1.064881882
## 15	0.167342359	-0.5381169367	1.265443925	-1.8458427057	-1.118474844
## 16	-0.836591166	0.0022366442	0.696620970	0.8127628367	-0.053497319
## 17	0.843821562	-0.4327143409	-0.772352289	-0.2146628315	0.481835494
## 18	1.470988770	-0.8657498857	2.177883844	0.4461861856	-1.116586517
## 19	-1.385883022	-0.0057612827	0.894799115	2.2529854417	-0.709743227
## 20	1.726312498	-0.4511132138	-1.708959271	1.1328944136	0.458019035
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## 22	0.115543802	-0.3246476178	-1.467049302	0.2551021317	0.326449411
## 23	0.155583064	-0.4457348084	0.372330441	-0.6845416711	1.754270701

## 24	-0.164161220	1.8150922252	-0.517920616	-0.3792874136	-0.409517367
## 25	0.566875806	1.3771591541	1.082353848	-0.5524739917	0.926097409
## 26	-0.775933378	-0.4079953690	-0.546971420	0.9164752453	0.312816604
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## 28	2.050222849	-0.2183931759	0.244285650	-1.3686146100	0.225558957
## 29	-0.080101785	0.0008671631	0.263375891	0.0968163425	1.949397864
## 30	0.081650347	-0.2222743888	2.229875623	0.2589913649	-0.840575651
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## 33	-0.376708247	-0.0003664857	-0.543163843	1.0688258236	0.231307409
## 34	-0.711411743	0.6065582834	2.147970698	0.9873230315	1.041839191
## 35	0.986841794	-1.4673306970	-0.665632049	0.1960777249	1.473074995
## 36	-0.921292321	-0.6496852656	-1.021863857	-0.4446721721	-1.210127981
## 37	-0.191855052	-1.0099026326	-0.975406422	0.8764028712	-1.598249998
## 38	0.497514305	0.7073709020	-0.223374930	0.5571643932	-1.624382466
## 39	0.379320611	1.3012411815	0.804224620	0.6259268886	1.229622576
## 40	2.083499244	-0.1461143136	1.644219120	0.6023776123	1.392469620
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## 42	1.342659383	-0.6958717309	-1.948289893	0.5173076804	-0.702698072
## 43	-0.388177815	0.2039135689	-0.205892387	-0.7946205699	0.137893507
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## 77	-2.228967354	-0.7043322038	0.063214619	0.8202431383	0.789825140

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## 188 0.190272646 3.2576854167 -0.086552742 -0.9221383540 -0.920420571
## 189 -0.604693939 -0.7002931853 3.105575337 0.2744966425 -1.492428599
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## 195 0.960166552 0.9799876362 0.966648071 0.2926217719 -0.592093318
## 196 0.111475344 1.4308945259 0.026256467 1.2888652819 0.259250977
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## 198 1.267815648 -0.8239684112 0.639022428 -1.1811843671 -0.853581850
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## 3 -0.213968614 0.53296973 0.1360623649 0.62211422 -1.214016304
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## 5 0.147174245 -0.78830411 -0.3955988513 0.23486927 -0.714407272
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## 14 -0.812208442 -0.31896321 0.0910425682 0.07581360 0.703696247
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## 16 0.558702733 -0.05142706 -0.7475344402 2.08767081 0.772989815
## 17 -0.551484918 -1.68157421 1.8393373858 -0.47172986 -0.014763024
## 18 -0.396715964 1.30581906 0.3990939081 -0.76231075 -0.585813724
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## 28 0.076218945 -0.43167937 0.5690806796 -0.51440884 0.394398255
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## 34 0.102549098 0.14147606 1.2849969901 0.05772070 0.736022837
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## 37 0.703280507 -0.21933920 -1.4921254873 -0.51097788 -1.328285605
## 38 -0.557253733 0.11109134 -1.6800801653 0.64433124 -0.553887473
## 39 -1.038040934 1.35434844 -0.6486183704 1.57754120 0.729483801

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## 40 -0.760425106 -0.10878977 -1.9376598324 0.83469025 0.331608287
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## 90 -1.633319121 -3.05842702 0.6093411975 0.17371930 0.626082142
## 91 0.371718276 0.83484935 -0.1107592719 0.47086521 -2.397445667
## 92 -0.333195003 -2.29060167 -1.3116497599 1.14804317 -0.307917948
## 93 -0.259251077 -0.57717016 0.5062924051 -0.11775285 -0.639628169

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## 196 -0.888033167 0.43674770 0.2769569028 0.33919816 -0.123223853
## 197 -0.134003946 -1.73496425 -0.6536915048 -0.74935467 0.895833120
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##          V240          V241          V242          V243          V244
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## 10	-0.7870981984	-0.071704357	-1.084700067	-0.623073755	1.750100494
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## 16	-0.7023060044	-0.318691334	-0.227108524	-0.307120385	2.115504581
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## 23	-0.3389035858	-1.003506902	0.793315539	2.090813460	0.817789433
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## 32	-1.8068957715	-0.332247312	1.066693758	-1.475632694	0.338962936
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## 52	-0.4287635477	0.449614858	-0.760799496	1.956389181	0.578436581
## 53	0.3113829104	-0.201245366	-0.569592129	0.844391733	-0.304185897
## 54	-0.2414045708	-1.687190157	-0.422989889	-1.077149292	0.345594609
## 55	0.0465485797	0.761347899	1.092253501	0.427103241	1.751705931

## 56	0.0532593020	0.423937138	0.330164710	1.755562988	-0.938795804
## 57	-2.1609479496	-0.410408336	0.208875309	0.466097396	1.202377512
## 58	0.2660791622	-0.341206784	0.186536887	0.140513618	0.475631608
## 59	-0.4700951738	0.723005556	-0.216432558	0.134329885	0.311018830
## 60	2.1991923352	0.538483141	0.925952921	0.486686329	0.677063605
## 61	1.6169441420	0.641506850	-1.292352702	-1.730995117	-1.322243087
## 62	0.0312717312	-0.054256351	-0.606832926	0.234980390	-0.027085378
## 63	-0.0909786100	-1.382203836	-0.627491811	-1.294890838	1.126460480
## 64	-0.5744960967	-0.287169775	-1.578514272	0.471863067	0.214876252
## 65	0.5961088431	0.560878980	0.099656963	0.608385431	1.463366158
## 66	1.0491987357	0.833987818	-0.103621721	1.744996347	-0.926606392
## 67	-1.0217635343	-1.338783089	-0.398494272	-1.882134938	0.613581150
## 68	-0.0309068633	2.698591985	0.269983287	-0.990740135	-1.021695964
## 69	-0.6783621153	-0.792746876	1.300260572	-1.682327868	1.543959914
## 70	-0.0869358349	-1.239626045	-1.261717802	0.586804236	0.823200400
## 71	1.1536179909	-0.015731356	-0.071425281	0.584773730	-0.772699024
## 72	0.0886884988	-0.091374532	-1.011052686	-0.359273689	0.114533857
## 73	-0.6646887607	-0.487361122	-2.053092466	-0.853946880	1.893266652
## 74	3.1793908174	0.183578660	-0.323690522	-0.990177037	1.596557569
## 75	0.8675390250	-0.198082384	0.539685620	-0.329926666	-0.679255905
## 76	-0.4548133837	0.745633455	-2.235067831	0.750213406	-0.149893831
## 77	1.0557126321	1.506327761	-0.034825001	-0.251023007	-1.187999041
## 78	0.7260507739	-0.880535270	1.337819109	1.427223492	0.317966407
## 79	1.1317784739	-0.204035277	-0.776881105	-0.430754678	2.991068471
## 80	1.5010787199	1.537656413	-0.412100041	-0.901909843	-0.037620021
## 81	0.1193085269	1.304468648	-0.080603687	2.196689781	0.342690359
## 82	0.0118716423	-1.931149885	1.464109948	-0.973814871	0.660132002
## 83	-2.0888795936	-0.861464922	0.696533791	0.865920127	-1.263501419
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## 85	-0.4483947736	1.155268904	0.820931850	0.947243012	-0.161483542
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## 87	-0.0427405493	-0.565939059	0.340578968	0.538217826	-1.364029864
## 88	1.0291854907	-0.977043752	0.321745287	-0.723669798	-0.446513325
## 89	-0.9698238722	0.080385250	-1.482840438	1.706763967	-0.094097688
## 90	1.0407665432	1.444731619	-0.836077675	0.395405038	1.133336262
## 91	1.8011591807	0.386689890	-0.516098340	-2.539574101	1.379637706
## 92	0.9923315251	0.153007282	0.508588359	-0.542467839	0.286812288
## 93	0.6601496691	1.431496668	-1.432439194	0.138004664	3.057678676
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## 97	0.9650376209	-0.542318881	-0.346256979	-0.369298696	-1.101183159
## 98	-0.4080181483	-1.325252777	-0.802951673	0.278920639	-0.570585124
## 99	0.4312165161	-1.531733025	0.843478249	0.267423574	-1.534149107
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## 102	-0.1714348283	-0.394117544	-0.211920973	0.892239486	0.562964685
## 103	-1.3404135480	-1.362205835	-1.255009291	-0.632618312	0.668605163
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## 107	-0.6504289356	-1.309973006	-1.049909717	-0.913194548	3.144583058
## 108	0.1588281971	0.358226070	-2.350909988	-1.708082379	-0.870875248
## 109	-0.2254743844	0.640730698	-0.209588785	1.486654139	1.803462469

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## 110 -1.2516046029 -0.515061688 1.660024992 -0.066723978 -0.167501741
## 111 0.7811251081 0.305109057 0.413092769 -0.303444571 0.037474919
## 112 -1.3246551196 0.888476209 1.080807229 -0.173849663 -0.769397120
## 113 1.8862295127 -0.951155796 -0.433516197 0.359518472 -2.934122837
## 114 -1.8707507574 -0.737316556 1.380696082 0.121466552 -1.082732443
## 115 0.5135380316 -0.845824854 -0.316955086 -0.674513718 -0.473797264
## 116 0.4630793092 1.141821551 0.384717245 -0.365633285 -0.362962868
## 117 -0.4365795539 1.474162675 -2.314374671 -0.295691998 0.266286811
## 118 -1.0476584186 -0.406118223 1.440428925 0.822020716 0.250859527
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## 121 -1.4588289139 0.936016830 0.721372930 -1.112891811 -1.226787138
## 122 -0.0556393312 1.099880566 1.258485269 -0.029578641 -0.145938773
## 123 -0.7907468589 0.039922645 0.586250381 -0.816378886 -0.188342037
## 124 1.0976687545 0.132500510 0.611534192 0.575888015 -0.304427416
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## 126 0.1203797639 0.215510633 -0.174464559 -1.187056259 2.101581716
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## 131 -0.4526127041 -1.661541386 -0.164449314 0.812481628 0.892145057
## 132 1.4998358823 1.114162449 0.552549230 0.727546207 -1.242237918
## 133 -1.2221437353 0.053623627 -1.585311061 1.166400583 -0.969864599
## 134 0.6989599526 -1.449886494 0.329090547 1.972157042 1.095494036
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## 162 1.7733959614 -0.412459054 0.578363590 -0.006246451 -0.696840406
## 163 1.5461780827 -0.096189460 -2.665885629 1.374926289 0.043886469

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## 168 -1.0592264139 0.378034766 -0.372156428 -0.737965451 -2.095877216
## 169 -0.5508327270 1.524483030 -1.222441881 1.534039387 1.656935539
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## 182 0.2608897217 -0.885916134 -0.377330569 0.595609790 0.748053137
## 183 -1.3768208367 -1.103327020 -0.191387003 -0.171911318 -0.311310846
## 184 0.3172482225 -0.400695319 2.094238672 1.383874959 -1.460841502
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## 192 0.0841554710 -0.298452126 -0.052457601 -1.085031581 0.870598183
## 193 1.3271948235 -0.131044914 0.570066518 -1.400092762 0.233740209
## 194 -0.5914932764 0.192212722 -0.129048928 -0.667637584 -1.068479528
## 195 0.1964856916 0.618457826 0.546047761 1.558768353 1.095137437
## 196 -0.1250659402 0.811063906 0.157463481 -0.049135555 -0.338971045
## 197 -0.0004198642 -0.640645819 0.259588989 0.259850464 0.874104986
## 198 -0.3964586334 0.619633712 1.194476744 1.956886427 -0.508901612
## 199 -0.6320401957 -0.361854454 -1.747542475 1.020896876 0.331735950
##          V245          V246          V247          V248          V249
## 1  -1.90160873 -1.7934495799 0.54143528 1.109970649 0.431984033
## 2   0.46769723 -0.0251752759 -0.85197984 2.703694791 -1.392219907
## 3  -1.90299466 -0.5196622273 -1.49353114 1.002507455 0.160045816
## 4  -0.89689344 -1.0471092064 0.01985104 0.449050583 0.591660996
## 5   1.59974363 0.2984474861 0.42658541 0.668937424 -0.327046660
## 6   0.98448610 -0.5828570290 0.63172214 -0.279048089 0.674809477
## 7   1.06762362 0.6467193945 0.49721969 0.901851858 0.461660258
## 8   0.60653345 0.8927887607 0.09164773 -0.766748442 -1.600254423
## 9   1.90513742 1.1063043426 -1.05585488 -0.959328074 0.518939826
## 10 -0.98055269 0.5279819537 2.55752339 0.846149912 1.021976937
## 11 -0.39643921 -0.6639515946 0.28464653 -0.559198297 0.124538362
## 12  1.86368820 0.0891237155 -1.86513719 -0.098567154 1.098539782
## 13  1.67881434 0.1027617973 0.07417580 1.314182107 -1.100045670
## 14 -0.53066270 1.3374218844 0.17204198 0.577479222 0.566825276
## 15  0.98010675 0.6963811994 0.70439332 -0.896529395 0.485110458
## 16  0.56110249 -0.8470142933 0.33087288 -0.953468966 -0.006782810
## 17 -0.19379584 2.6077780559 -0.76225378 0.220330652 -0.911286751

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## 24  0.18013594 -0.3531090038 -0.51302675  0.677814398 -0.223878454
## 25 -2.19095595 -0.1478919969  0.62502256 -1.577766361  1.909926371
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## 27 -0.23101452 -0.9264148925 -1.02233603  1.056121070 -0.751949901
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## 30 -0.06694695  1.8035933327  1.29444060  0.870140996  0.252354697
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## 47  0.28449494 -1.5502337371  0.46494046 -0.528417365  0.964399752
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## 66  1.74543672 -0.3224998734  1.08937415 -0.819074888 -0.386892585
## 67  0.26573143 -0.5312388925  0.49925234  0.127240244  0.893867828
## 68 -0.98197316  0.4874342226 -1.07571246 -0.119419999 -0.336563201
## 69  1.04063231  0.6643142057  1.29220450 -0.223883428  1.250222650
## 70  0.33586049 -1.3764039921 -1.83942045  0.114943234  2.368374833
## 71  0.23351179 -0.4074844353 -0.76447501 -1.129415031  1.357347682

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## 72	0.58208619	2.0147046887	1.81915048	0.136237728	0.820820993
## 73	-0.30172244	-0.9576518531	1.33565737	0.864201797	-1.021228089
## 74	0.38091049	-0.2221265085	-0.51773594	2.314912339	-0.511789028
## 75	1.08983813	0.8445085895	-0.60399752	1.088249355	0.535893550
## 76	0.70392710	-0.1208733115	-0.75505726	1.103019009	-1.343049093
## 77	1.80816463	0.1487243738	-0.80899089	0.185507302	-0.545386678
## 78	1.19175622	0.6954232577	2.60064637	1.799749117	-0.694403441
## 79	-2.06216862	-0.5142831302	1.32766448	1.659306605	1.212793760
## 80	-0.27171390	-0.3069132223	0.26974492	-1.088882875	-0.448737593
## 81	0.19309027	-0.6856393284	-0.23880648	0.102300783	1.834826446
## 82	1.53504305	-0.7165027946	1.87002705	-1.519717390	-1.171556433
## 83	0.82469115	1.5396027255	-0.37082916	1.122003443	0.940818496
## 84	-0.70516923	0.5584468340	-0.57788659	-0.069709610	-0.663127190
## 85	0.85575947	0.6346482905	0.90387642	-0.297066195	-2.288451552
## 86	-0.04857950	-0.8686455323	0.62707321	-1.594862750	0.499566302
## 87	-1.64689674	0.5454330117	0.31921080	0.443218193	-0.467266807
## 88	0.84221034	0.0011914508	0.08102809	-2.064120205	0.766056009
## 89	0.48574169	-1.0676537793	-2.57389923	1.364222969	0.822021306
## 90	0.64598369	-0.4840223515	-1.08136863	0.191955368	1.694158889
## 91	0.07889140	1.2546086802	-0.17288685	-0.122711349	0.408989630
## 92	1.60191722	0.2176197205	0.88945304	0.805846011	0.014326888
## 93	0.81048331	-0.8275473280	0.07637567	0.578888992	1.057441430
## 94	0.36432661	1.1396834818	1.77285727	0.509318744	-0.711443814
## 95	-1.32437810	-0.9717838654	-0.18296137	2.394746100	1.605659857
## 96	1.40518910	-1.4111666085	-1.04886189	-0.339393830	-0.684921856
## 97	0.04223093	-0.4855156580	-1.55760462	0.934239014	0.534377775
## 98	1.23578835	-0.2230804561	1.92190457	-0.326497557	0.068054940
## 99	-0.10907851	1.2112046226	-1.23096243	0.117344385	0.634932214
## 100	0.73507881	0.5818574028	-1.24649107	-1.115116309	-0.743219455
## 101	0.41105629	-0.5425200419	1.81556662	-2.039124923	-0.168025755
## 102	0.16595810	1.3815299948	-0.06301311	-1.061881860	-2.167223807
## 103	-0.34969158	-0.0778404727	-0.12072817	0.472697082	-0.377415479
## 104	-0.88030285	0.0919497377	-0.24639385	0.462406699	1.012875738
## 105	0.80481762	1.1406545612	-0.68514165	-0.019154959	0.822017871
## 106	2.06538465	-0.4950257179	0.49489282	0.483109010	0.245578457
## 107	1.67160423	0.6689749788	0.39319131	0.684646355	0.758903789
## 108	-1.08609726	-0.1933890247	-1.13715380	1.204767314	-0.478360705
## 109	1.59044801	-0.0074117867	-0.03508578	-1.253928596	-1.714676558
## 110	-0.55227941	0.4137183366	-0.18234203	0.063348928	-1.421544301
## 111	0.19590878	1.1644991992	-0.97605620	0.436351846	0.282471212
## 112	0.63979138	-0.0260534316	-1.06757796	0.684570245	0.431254728
## 113	0.74276007	1.2130880298	0.44925307	0.685884804	0.485437309
## 114	0.81299266	1.0987974232	0.87430101	0.418648775	0.673313133
## 115	0.05959937	-1.3820920991	1.20878512	-0.842687854	0.795263572
## 116	-0.31078620	0.2124062288	-0.42924362	0.760163869	0.606992854
## 117	-1.61802306	1.1616651690	0.32626403	-0.354861903	0.004755083
## 118	-0.70585696	0.2590551107	1.43432153	0.724555718	-0.576934936
## 119	-0.27699683	-1.4962192501	0.21338710	0.429328678	-1.793640724
## 120	-1.56824750	1.3497561670	1.19089475	1.415734599	0.143798973
## 121	-0.53184103	0.3023076838	0.17330167	0.678086216	-1.291601203
## 122	-0.30750317	-1.8271713511	-1.94809272	-0.786882630	-1.343644468
## 123	-0.62790061	-0.0540956751	1.15038081	-1.004277361	0.532070382
## 124	0.20671173	1.6611517777	-1.07743664	0.145431640	-1.899329511
## 125	-0.26018689	-2.2507971212	-0.47046584	0.160097377	0.753169759

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## 126 -0.45573201 -1.8777537208 -0.36796086 0.393338869 -0.052908117
## 127 0.39406846 -1.4951324173 -1.54462828 1.270292231 0.678819054
## 128 0.08432075 -0.5328429277 -0.89315924 -0.673895583 0.311809931
## 129 -1.34521998 0.2844952470 -1.18277203 0.049002148 -1.138616915
## 130 -0.76700768 -1.8571008768 0.63426231 -0.524798515 0.340101080
## 131 0.58363570 1.3631145672 0.59629001 -1.796146212 -0.474680312
## 132 -0.85745468 0.2354442267 -0.22602201 0.596550913 -0.656940408
## 133 0.94385536 0.2512263668 -0.67916756 0.498905934 -1.800168750
## 134 -0.02432487 -0.9017763815 -0.44873005 0.530853773 0.851440626
## 135 0.12355736 -1.5896692009 0.72682845 0.242340437 -0.027967860
## 136 0.84822125 0.2878904861 -0.03448829 0.900410815 0.112299841
## 137 -0.02020705 -0.6674097807 0.87059637 -2.104513367 0.868416486
## 138 0.14434480 1.1574910662 0.73829722 0.201085928 -1.003126282
## 139 0.14637573 -0.1360136495 -0.94476477 0.843016232 -0.276341508
## 140 -0.25095687 -1.4300861655 0.73581757 -0.053244007 1.657732627
## 141 2.52311804 1.0761944395 -1.39032437 -0.774775015 0.339279485
## 142 -0.87655593 0.5378231238 -0.86492850 0.602142761 -0.071331136
## 143 -0.51530882 0.7272930643 -0.64189317 1.131312003 0.995499491
## 144 0.29748292 1.2829432301 0.89746409 0.790734262 -0.372133210
## 145 0.31936552 -1.5882634220 0.19907876 -1.667755327 1.162317016
## 146 0.46959318 1.2467468182 -0.05976259 -0.412149923 0.682294796
## 147 -0.31184899 -0.4414705253 0.99049844 -1.317053348 0.516199238
## 148 -0.21180598 0.9417486939 0.02108166 0.563311655 -0.565182242
## 149 -0.05423071 0.9522958619 0.50710193 0.282753412 -1.309932487
## 150 -2.26100626 -0.6362891625 -0.10447625 -1.455680638 0.760685583
## 151 -0.98827065 -0.6295358828 -1.05934049 -1.564878398 -1.186101023
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## 153 -0.77498581 -2.3128710424 0.55453175 0.623572957 0.146854325
## 154 0.93011010 -0.6665725622 1.14596242 -0.048598767 0.106282787
## 155 -0.43758409 0.3917129192 0.36360963 -1.363092435 0.532628026
## 156 -0.50465153 1.5517773707 -0.93418063 0.623252675 -0.864344042
## 157 1.03713245 -0.7655794528 -0.10989238 0.561482530 -2.166986469
## 158 0.34627664 0.8976247609 -0.94499544 0.384437073 2.487392533
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## 161 0.39347829 0.8615393422 0.15691246 0.390332337 1.128179137
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## 164 -0.15545676 -0.4155835682 -0.90972716 1.660108471 0.643232812
## 165 1.13249988 -1.1056206658 -0.16979599 0.819772903 0.358097440
## 166 0.01448147 -1.5866075929 0.45147177 0.358233662 -1.023572378
## 167 -0.93785865 -0.9365850374 -0.75281627 -0.305589632 -0.182008038
## 168 0.10346286 0.9318980213 0.59994658 -0.582373347 -0.518149030
## 169 0.81669300 -0.8624498730 0.93999418 0.969241116 -2.569755412
## 170 -0.88951033 0.9346374427 1.10022655 -1.675395949 0.446723854
## 171 -0.51342586 0.5935047107 -0.47377435 0.394610362 0.994003655
## 172 -0.83184628 -0.3801167999 0.57639041 -0.115549834 0.724648863
## 173 -0.35032044 0.2511811994 0.36806039 1.829801675 0.199814540
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## 175 -0.66369333 0.0624654077 -0.68558183 1.020185861 1.434849708
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## 177 0.03060516 -1.9099044550 0.16173509 -0.565462960 -0.989634941
## 178 -0.56103996 0.9107252014 -1.51439233 1.330351192 -0.809473066
## 179 0.19354024 -0.4252451460 -1.10894931 0.671059007 -1.514111748

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## 180	-0.91848007	-0.3642689797	1.62964944	-0.185483866	0.444106974
## 181	2.15923373	0.5732768844	0.29736567	-1.155119413	-0.547916894
## 182	1.00713638	0.3943754493	-1.02654354	1.874801347	0.525974121
## 183	0.62497383	0.7001926563	0.89304860	1.584073396	-0.484909694
## 184	-0.13356656	-1.8025108842	0.55305601	1.060848930	0.616691442
## 185	1.11941937	-0.0872097982	1.37155700	0.628608923	0.302906349
## 186	1.77787691	0.6426508619	-0.78324559	0.364713662	0.366213504
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## 188	-0.62792092	-0.5409714757	-0.48646935	0.800726043	2.906703720
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## 193	1.39728039	-1.5780489432	0.59120038	-0.122158748	0.316787747
## 194	1.30833647	1.2866611073	0.31457157	-0.031879750	0.690807144
## 195	1.94450781	0.4914843552	-0.47387732	0.557628623	2.779710000
## 196	-0.96294892	0.9459032911	1.56483188	-0.302397831	-0.806706439
## 197	-0.16940339	1.5887855642	-0.39444943	1.102114719	0.949652327
## 198	-0.01880634	0.3676917616	1.02821293	-0.356209211	1.895470281
## 199	-0.30279970	-0.8037255694	-1.55257215	-1.977765756	0.725927381
##	V250	V251	V252	V253	V254
## 1	0.072384243	-0.907222321	-0.657290072	-0.237066093	-0.1226343251
## 2	-0.751675695	0.866342623	0.280349579	1.018958560	-1.0513914481
## 3	-0.753278291	-1.093133252	1.753631424	-0.330601173	-1.4175316950
## 4	-0.502598571	0.256784667	-1.728793887	-0.302792276	1.4213168256
## 5	1.082830584	-0.366291496	-0.825114717	-1.278655831	0.4146487026
## 6	-1.035003628	-0.208983296	0.015248256	0.401757580	0.5072442568
## 7	-1.023061181	-1.549772083	0.845069223	1.544942629	1.2976591627
## 8	-0.683215994	-1.750645563	-1.203653458	0.237393757	0.2985743553
## 9	0.663452964	0.541315809	1.063670048	-0.003026654	1.2444716507
## 10	-1.093701932	0.621133238	0.246889924	-1.579069279	0.4022794490
## 11	0.586171152	0.634080816	1.224180397	0.289408133	-0.9970538367
## 12	-0.811860723	-0.362821241	-0.689853764	-1.524114208	0.1647041480
## 13	-1.437879540	2.185630292	-1.346079263	1.149803556	1.8388052900
## 14	0.577199898	0.004666598	0.822201204	1.206743364	-0.7198044297
## 15	-1.343401479	-1.526537416	0.637776752	0.259716272	0.0008052723
## 16	-1.817191102	-1.451697242	-0.468947754	0.325216060	-1.2976723802
## 17	1.833223681	0.121775024	-1.277396702	-0.581629622	-1.9431149422
## 18	0.438634162	-1.381743143	0.008302620	1.237092424	-0.8392068049
## 19	-0.603090504	0.256269021	0.872014077	-0.369843861	0.6817959780
## 20	-0.813550346	0.503980455	0.504897399	1.744249926	-1.0961055902
## 21	0.970119582	2.181387462	-0.958685248	3.014516252	0.0679478895
## 22	0.285429407	0.373151570	-1.579260907	0.076096706	1.1895445997
## 23	0.362078018	1.708981734	0.285504735	2.516164954	0.6410324269
## 24	0.231368049	-0.846677246	0.394139873	0.660524643	-0.1735244206
## 25	0.342325409	-1.878886261	2.403864255	0.179590755	0.6144658982
## 26	1.490884572	-0.019449942	1.260350075	0.391171911	-0.5137861630
## 27	1.621236243	0.699570182	1.270974895	-1.354945057	0.8780947163
## 28	-0.905404671	0.057655247	0.736455815	0.318825275	2.6822735224
## 29	-1.309124342	0.446291518	0.193502911	1.289546984	0.6610554757
## 30	0.921487284	-1.177052536	-0.012026038	0.536091622	0.0947347649
## 31	0.228282045	0.631124973	0.149577595	0.200395805	1.4076057507
## 32	-0.967235745	0.753656867	-2.028510306	1.222219778	0.6960332108
## 33	-0.612250284	-0.197636618	0.362127224	-1.176897564	0.0212993525

## 34	0.844584347	-0.389238969	-0.246282245	0.511179723	-1.0539554198
## 35	0.002441501	0.938986249	0.627233971	1.176649361	-1.2377258292
## 36	0.567490164	-2.151366910	-0.636905097	-1.760424222	1.5933462619
## 37	-0.546506200	1.208981854	-0.101859074	1.485679432	-0.4349168380
## 38	0.065861717	0.963608694	-0.900182186	-0.096441999	-0.4968947259
## 39	0.793142546	-1.712738554	-0.039796712	0.040061427	-0.9373779102
## 40	-2.784992957	-1.089579154	0.384363141	-3.715709339	1.1405549491
## 41	0.047796958	-0.828278749	1.324230240	0.892880690	1.0224134230
## 42	0.217665393	0.181048925	3.062194219	0.133718411	1.0391489781
## 43	-1.109290079	0.526952856	-0.292410539	1.348415915	-1.0493466416
## 44	-1.168301062	-0.538977221	-2.413685632	0.279375499	-0.7178980816
## 45	1.247910719	-0.889249188	-0.336421064	0.937794739	-0.0301570437
## 46	-0.379161800	-1.342875662	-0.373085240	-1.813801635	-0.1061525221
## 47	1.732985188	-0.441811524	-0.733364160	-0.566491682	0.0490516069
## 48	0.598306430	-0.823055788	-0.002004548	-0.806044905	0.9822777896
## 49	1.246162572	-0.090562850	0.437153846	0.035830351	0.5840323296
## 50	-2.843665916	-1.412457500	-0.422746915	0.992132261	0.6856152727
## 51	-2.057810260	1.195609791	0.669359152	1.377887617	1.7459661497
## 52	-1.264018442	0.884114591	-0.239677713	0.618529938	0.0652689836
## 53	-0.671857919	-0.658017233	-1.644233043	-1.540683772	0.0347394746
## 54	0.537028366	1.416880078	1.744141630	0.992265097	-0.7625272445
## 55	-0.205975063	-1.118889346	-2.843862761	-0.756247674	-0.3003243319
## 56	-0.462388367	0.530109511	-0.769997464	0.872610981	1.6587348883
## 57	0.050851193	-1.468365914	-0.069558583	0.344192763	0.7500752517
## 58	0.186818477	-0.656981369	-0.809505743	-0.924616908	-1.3650563829
## 59	0.591692516	-0.751869630	-1.423359658	-0.173060058	0.4689968222
## 60	1.659519781	-0.540433916	-1.578918280	-1.511021959	0.0111088034
## 61	1.513237184	-0.424596785	-0.949440382	-0.693672196	1.0652368953
## 62	-0.481384869	2.267205236	-0.053093825	-1.511607361	0.9838312624
## 63	0.711104886	-1.557759936	-2.161062477	0.973356531	0.2442258438
## 64	-0.390772118	0.152656721	-0.185219231	-1.783483998	-1.0372954878
## 65	-0.053382443	0.625483066	0.170587663	-0.640303829	-0.0059327966
## 66	0.274034378	-0.709053317	0.238838660	0.300479355	0.9126252562
## 67	0.395673316	0.958799860	-0.493192124	-0.126502997	2.7764523360
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## 69	-0.233924337	-0.124459432	1.827350481	-0.767366339	1.3722581193
## 70	1.495720637	-0.566972468	0.400157219	0.044676411	-0.5126059898
## 71	0.776990956	-0.533569760	-2.271493178	-0.211348021	0.0419936709
## 72	0.240767403	-0.266916232	-0.574282861	2.074692956	0.2723743445
## 73	-0.767874190	0.336425929	-1.167273629	-0.421831718	0.2510495273
## 74	0.138047409	0.732670073	0.942206356	-0.344201265	-0.9810250740
## 75	-1.249237746	0.609870176	-1.993159117	-0.238457056	-0.0953766669
## 76	-0.630535391	1.693039023	-0.016729359	0.705166705	-0.3881621454
## 77	0.496001949	1.372077229	-1.334404988	-1.967799379	0.5124256637
## 78	-0.107039627	0.554943111	0.630965971	2.157852226	1.3690607550
## 79	1.278198791	1.208241515	-0.311693365	-1.235556298	-1.7989940820
## 80	-1.268292139	-0.589123370	-0.440333771	0.437556939	0.4833370967
## 81	-0.280488252	0.906878770	-0.905965157	-0.608038801	0.1067441067
## 82	0.096585044	0.819961261	-1.138001756	-1.777626999	-0.1183071295
## 83	-1.710440627	0.748236637	-0.199607282	1.883377563	1.0849792328
## 84	-0.672790932	1.227934316	0.450454019	1.897159455	0.1976264801
## 85	0.126195854	-0.843568304	1.546646532	-0.846150316	-0.6311409980
## 86	0.671224326	-0.136001200	0.390339386	0.063327824	0.5567870452
## 87	-0.875750741	-0.747856765	0.884394012	0.173931768	-1.1659849772


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## 88 -1.193375569 -0.731723845 0.990575327 0.657961371 0.2268723935
## 89 -1.214079721 2.622072735 -0.201795838 -0.047183605 0.5431321080
## 90 -1.184224926 0.766433001 -0.748329528 1.177830720 0.9312042425
## 91 -0.654031518 -1.053929952 1.643784854 -1.202507351 0.4945520844
## 92 -1.134987906 -2.228007067 -0.517377165 -0.459611678 0.4214823486
## 93 -0.607743974 1.344856465 1.034277209 0.213314834 0.6683485289
## 94 -0.255510329 1.371613617 -0.738513729 0.447310852 0.0882665704
## 95 0.641031044 -0.406390784 1.367201724 0.401671018 0.1735440780
## 96 -1.556288442 -0.561513608 -0.177534741 -0.565700569 0.5705732754
## 97 0.453722144 -0.877682645 1.572688747 0.247676541 0.7511192262
## 98 -0.213877644 -0.158368243 -0.097957085 -0.027845180 -0.4792211080
## 99 -0.290866438 -0.395739610 0.081239521 0.191162861 0.3410939452
## 100 0.154088894 -0.184608927 -0.780592877 0.091431869 0.6396127570
## 101 -0.828909084 -0.332753396 -0.075642120 -0.277441723 0.0277999528
## 102 -0.911884429 0.916160596 -0.274388078 -0.627998684 -1.5095028085
## 103 -1.238866087 -1.955927521 -0.770021597 0.685215247 -1.8119824540
## 104 -0.616236380 -0.159162147 -0.330103139 0.362935743 -0.3632066480
## 105 1.065989725 0.249445673 0.139327023 -0.924286687 0.1963720931
## 106 1.475914537 -1.923473036 0.915471224 -0.340272257 0.1432385739
## 107 1.261706825 -0.234028748 -0.149892899 -0.507805219 -0.2231121996
## 108 -0.706053555 -0.221554302 0.320686071 0.671527607 -0.5092551496
## 109 -0.130836114 -0.773292552 -0.556519602 -0.696449966 1.4175796536
## 110 0.712256658 -0.349936134 1.326291579 -0.643237774 -0.0649907340
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## 128 -0.558385794 0.674992240 -1.273778937 0.287430566 -1.5089623807
## 129 -0.094412064 0.465771966 -1.865461630 0.345164027 0.8962727684
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## 133 -0.594478829 -1.001448081 -1.598525245 0.686106290 -0.2934186577
## 134 -0.069657635 0.189496099 0.187314008 -0.791601866 -1.0349084893
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## 137 0.442742560 -0.467033951 -0.722257824 0.471534644 -1.3594438190
## 138 -0.613108567 -0.390443258 -2.565680192 0.336215066 0.3624232604
## 139 0.146127758 0.757581094 -0.497044038 0.476631709 -0.1977917369
## 140 -0.315316997 -2.445961970 -0.137232620 0.970276305 0.0261181231
## 141 0.082014859 0.132793863 0.698448386 0.224319372 1.0543678377

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## 142 0.868192459 2.549258755 -0.197637876 0.655830252 1.5151707790
## 143 -1.792835826 -1.670939448 -0.548365964 0.044993540 -0.8452597425
## 144 -0.485596996 1.270523118 1.376993652 -0.457842828 0.2776325479
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## 152 -1.355079473 -0.174058796 -0.150879562 -0.987843581 -0.0548577772
## 153 -0.267339269 -0.118888593 0.847197457 -0.646578686 -1.5147011665
## 154 -1.049403220 -0.887424019 0.477858840 -0.021230920 -0.4334753610
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## 168 -1.362261971 -0.301316057 0.094005815 -3.296138767 2.0785903574
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## 170 1.027046641 -0.219107070 0.317717550 -2.907751924 0.5588777713
## 171 1.233034719 1.090924236 2.150585108 -0.496712458 1.4584699620
## 172 1.724178914 0.159310405 1.328261995 0.542606376 0.3278390123
## 173 0.339381443 2.412499242 0.900893673 0.757532809 -1.2409044685
## 174 1.448913304 -1.061026784 -1.057773674 0.262905230 -0.0282003356
## 175 -0.341953829 0.477577515 0.653843716 -1.582819872 0.9740481007
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## 177 0.516458922 -2.055405090 -0.542741588 0.127224837 -0.2218769903
## 178 0.559541959 0.488800046 0.566023882 1.220439404 -1.1731110855
## 179 -0.858625637 1.005206886 -1.570464882 0.238090784 1.9520540238
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## 181 1.358752147 1.049740333 -0.484134559 1.128295676 1.2625646468
## 182 1.288418211 0.645744336 0.775626694 0.202364219 -0.2571729723
## 183 1.155436089 0.823902121 -0.398798061 -0.521080405 1.8974179747
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## 188 -0.319755936 0.482670655 2.041489380 1.702960174 -0.2237420694
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## 192 -2.246976074 -1.373037598 -0.465837162 0.760782899 -0.0558366528
## 193 -0.704035240 -1.499420450 -0.404116728 -0.021785114 -0.1753810412
## 194 -0.557801069 0.583178692 -0.304007408 -0.131238805 -0.2383542295
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## 197	-0.928828280	0.307762070	-0.041774437	1.139213374	-0.0398923333	
## 198	0.460008198	-1.492178885	0.230764722	-0.150164191	-0.2456250960	
## 199	-0.385078749	0.858803632	2.006446727	0.587654715	0.9378628190	
##	V255	V256	V257	V258	V259	V260
## 1	1.26022854	1.331013699	-0.09608439	-0.578282734	-1.03574570	0.530399182
## 2	0.58007941	0.509924534	-0.44173020	-0.644034407	0.35932145	1.651615133
## 3	0.24935639	0.994914664	-0.20038796	0.685157929	-0.44815921	-1.022855927
## 4	-1.22018052	0.111838284	1.06540689	0.936560334	0.55859510	-0.470943905
## 5	0.92895930	-0.458768453	-0.69515362	-1.108855282	1.42239544	0.078644417
## 6	0.01019566	0.713129033	0.51805537	0.236815775	-0.86958444	-0.258953040
## 7	-0.46419148	-0.418434107	-0.64046446	1.353765028	0.22884435	-0.713494887
## 8	0.45252637	1.318934519	0.21784732	-0.204449578	0.18568827	0.626417796
## 9	1.29649538	0.996359479	-0.28814216	1.341551560	-2.10735173	1.028965303
## 10	-0.08976390	-0.414969855	-0.33660170	0.703254394	-0.12397076	0.555019632
## 11	-1.45974518	3.022514273	-1.02723376	-0.119302190	0.24738780	1.950123557
## 12	0.42978049	0.497603956	0.08479343	-1.723568307	-0.04619682	0.735905333
## 13	-1.12634345	-0.208309784	-0.02286416	0.537567220	0.02390581	0.166270264
## 14	-0.05469010	-0.127402350	0.06690460	-0.137068733	-1.15440492	0.994519071
## 15	1.33272730	-0.956384814	1.16906389	-0.368679562	1.35422839	-1.116512842
## 16	1.13794387	-0.452948552	1.05127005	0.190239482	0.85382342	-0.755560412
## 17	-1.71280501	0.913995457	0.08055736	-1.550762182	-0.95640349	1.680447515
## 18	0.73378832	-2.131878612	0.70904654	0.497921451	1.88934502	0.059260231
## 19	0.18386944	1.082539281	-0.17831778	1.335423014	-0.54880829	-0.624474046
## 20	0.45474227	-2.580973764	-0.57542586	-1.714082936	0.49935488	-0.257634378
## 21	0.22650222	-1.326768413	1.05009324	0.877960127	0.31328291	0.058132175
## 22	-1.33822813	0.648485887	-0.81578799	0.552412776	0.30000178	-0.054501914
## 23	-0.51147550	0.174086930	0.27047912	0.503941482	1.16279024	-1.169666661
## 24	0.23358936	0.960317960	-0.57488779	-1.008320900	0.02571318	-1.304105470
## 25	-2.15758323	0.120691809	-0.44588136	-1.148456208	-0.26533127	0.309867667
## 26	-1.76601642	-0.109932280	-0.50014199	0.189939494	3.23135114	-0.342285746
## 27	1.58651849	-0.159969856	-0.87561627	0.678479846	0.62801490	0.873278275
## 28	-0.11704752	0.193252531	0.76330999	-0.432496536	1.81116596	-0.980971244
## 29	-0.65628047	-0.183872569	-2.13734152	-0.154941296	-0.36700820	0.664086091
## 30	0.97329509	-1.326246304	-0.31721077	-1.042240664	-0.95185819	0.918511826
## 31	0.78268174	-0.963672260	-0.99588021	1.537288411	-1.00490900	0.094435195
## 32	1.15506600	-0.367739665	-1.53171125	0.463794629	0.48439555	-0.380569972
## 33	0.45322044	-0.269423725	-0.35691967	-2.422493286	-0.07100445	0.986912528
## 34	0.80639369	0.502997162	-0.43805548	1.656323490	0.39562587	-1.686844400
## 35	-0.34959824	-0.278128289	-1.60995152	0.227998339	-0.80413391	-0.531829205
## 36	0.95146134	-0.041439364	0.60107231	-0.227669743	-0.36992767	0.826630828
## 37	0.10351198	1.138851200	0.05257517	-0.115679467	0.39011585	1.029033800
## 38	0.35996544	-0.441459716	-0.35826903	0.745703863	-0.46340695	-1.251550663
## 39	-0.10089962	-0.189761921	-0.05991413	1.141733115	0.73777138	0.313970893
## 40	1.63209363	-0.398665028	-0.24694262	-1.107295915	-1.73795326	-1.016131553
## 41	0.91704087	1.213309434	0.57511825	-0.487167196	-2.47198265	-0.519762724
## 42	0.71865851	-0.360482797	-0.73695432	-0.059327547	-0.15983056	-0.987560391
## 43	-0.54682309	0.289477721	-1.41815574	1.669680452	0.16281907	1.356377074
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## 45	-0.64167240	-0.824407660	-0.15690220	-1.066079269	-0.94746418	-0.336448600
## 46	0.27235299	-0.045015645	-0.69462363	-0.480898114	0.44338195	0.049691546
## 47	-0.40781878	-0.219456308	0.28192786	0.317597305	0.40908847	-0.929627669
## 48	1.57595584	-0.603600300	0.90067385	0.808821108	-0.32411702	-0.300147013
## 49	0.77413137	-0.923061095	0.72644955	-0.899658706	-0.12049831	-0.136370779

## 50	-0.50671463	0.560285221	-0.27453450	1.153402011	1.22236300	-0.881280753
## 51	-0.15339965	-0.236360887	-0.59731819	-0.995691787	-0.41993997	-0.673633521
## 52	-0.20727380	-1.621438358	0.16700982	-0.042890680	0.13076786	0.592744610
## 53	0.63339790	0.541140929	-1.18721938	0.681660476	0.35932549	-0.667800907
## 54	-0.47250367	0.039213218	1.23624370	-0.099895614	1.04176308	-1.012724006
## 55	-1.01699353	-0.388474443	-0.90703273	1.349811599	-0.03760152	0.168982969
## 56	0.62610057	-1.037346673	0.04000117	-1.001472085	0.98883851	-1.159142600
## 57	-0.20112550	0.500737141	0.79026346	1.196591442	-1.58284463	-0.778891173
## 58	-0.02773306	-1.043128889	0.22228525	1.265417944	0.62229436	-2.608609954
## 59	-1.28251632	-0.050162122	0.54831999	1.497896982	-1.10963676	0.685525119
## 60	0.45428103	0.598624517	1.24006142	-1.188528344	-0.01872538	1.406126268
## 61	-0.13446947	-0.850121517	0.16480305	-0.434326256	-0.79597063	0.482925088
## 62	-1.49575843	-1.129991640	-1.32705772	-0.112479492	1.31567126	-1.306809713
## 63	0.24909041	-0.190700941	0.75530350	-0.188867431	-0.27368941	0.659781748
## 64	-0.33331654	-1.301964376	-0.86941873	-1.174056697	-0.35161070	-1.876652254
## 65	-0.31407975	1.347424982	-0.39901462	-0.529218011	0.50986595	-0.145200216
## 66	1.09084838	0.863867514	-1.14292089	-0.868063339	-0.37404999	0.179010048
## 67	0.52694429	0.139509741	0.81274097	-0.358410548	0.06364379	0.024755826
## 68	-0.99183119	0.267962891	1.60485654	-0.581485710	0.67293550	0.117638170
## 69	-1.48950738	-0.628114621	0.21071140	1.717274028	2.86026554	-0.406058907
## 70	-0.37665281	0.078701803	-0.52968043	0.840933382	-0.83405376	1.972563709
## 71	-0.32810703	-0.505365439	0.57209015	-0.784304836	-1.33937075	-0.729655216
## 72	-1.12425701	1.475888471	-1.19052526	-0.769361373	0.47262186	-0.817688328
## 73	-0.09467755	0.545130649	-1.74907391	0.461253420	0.20294908	0.063764420
## 74	-0.66076700	-0.674871333	-1.24004784	0.007317485	-0.90060609	-1.884840096
## 75	-0.79433947	-1.275199669	2.22339310	0.498289245	-0.47890636	-0.524991576
## 76	0.78948886	-0.682564822	-0.86994992	0.768245556	-0.63271799	-0.211534088
## 77	1.38755457	-0.361006027	-1.28304169	-0.320484369	-1.21676989	-1.007078814
## 78	0.01018670	0.387351088	-0.69328376	-0.812180689	1.03098915	-1.007597249
## 79	1.30288234	0.508549629	0.42922407	-0.129823150	0.86360356	-0.727988253
## 80	-0.15777518	0.859461580	-0.11489495	0.050779982	-2.18919508	-0.060289879
## 81	0.32087048	0.754047563	-0.55362778	-0.028651006	-0.42887784	-1.747536679
## 82	1.46514969	-0.796015447	0.24605399	-0.118445180	0.30491858	0.792401486
## 83	0.36967699	1.019560301	-0.77531539	0.063282557	-0.55479122	-0.188046775
## 84	0.22868766	0.939945388	-1.49289015	-0.292408090	0.29447814	1.042800428
## 85	-0.15447794	1.616683911	-0.67347863	0.781980670	0.31508034	-0.091212183
## 86	0.77332580	1.089961438	0.99069516	0.098053829	-0.91128986	-0.969761619
## 87	0.64256178	-0.040998601	0.70183293	-0.551169643	1.20079061	-1.010719967
## 88	0.02321361	0.190914150	1.16448334	2.483869051	-0.65170472	0.976069958
## 89	1.57012437	0.156919394	-0.08428339	-0.250174953	0.64677929	-2.017435301
## 90	-2.27596118	0.705087644	1.46836888	0.158627928	0.32708642	0.031878640
## 91	0.04773519	0.005823218	-0.39164010	0.875879622	0.70753821	-0.292607619
## 92	0.18251651	-0.740518872	-0.79668541	1.015585148	-0.56789113	-0.592099936
## 93	0.13619697	-1.726999297	-0.84530167	-0.917033894	-0.13331986	0.279463359
## 94	-0.19332337	-0.954021269	-0.57474726	1.045518817	0.35415977	-0.736619265
## 95	-1.17792104	-2.127848799	0.07915962	0.147603399	-1.26343091	-0.673298265
## 96	0.21180032	-1.063752071	-0.79201909	-1.478324235	0.03540898	-2.402074210
## 97	-1.07347714	-1.009487583	2.57719478	-0.424570687	-1.67109665	-0.644691740
## 98	-0.48267885	-0.427813855	0.98282530	0.577967339	-0.38250871	1.521387548
## 99	-1.21335066	0.391396850	0.24232788	-0.699179114	0.65495901	-0.993363263
## 100	-1.36395735	-0.573133503	0.68687531	0.079927136	-0.11331036	0.496966300
## 101	-0.89273092	1.297514942	-2.26732799	-1.837392309	2.13316462	-0.665663794
## 102	1.28711021	0.106671914	0.96937063	-0.616849705	0.14126363	-0.978352613
## 103	-0.85258971	-0.241963136	0.22683049	-1.329103394	0.53552673	-0.600867159

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## 104 0.66499770 -0.455940149 1.14313775 -1.481514680 -1.96364315 1.509356461
## 105 0.50510626 0.482550613 0.65801426 -0.444451065 1.01762056 -0.993946034
## 106 -0.09963289 -0.630858969 -0.10842466 -1.328091230 1.12821491 -0.972703746
## 107 -0.91313089 -0.377821226 0.77109177 0.342897041 -2.58935401 -0.962176329
## 108 0.61967919 -0.037911415 -0.33231845 0.468693921 0.49786277 -1.475662289
## 109 -0.52066421 0.967436025 0.47338009 1.303890009 0.41269981 -0.534748268
## 110 -0.63776385 -2.413072014 -0.28832563 -0.564617252 1.18849887 -0.287115486
## 111 -0.31599506 0.398144605 -0.39814825 0.919765093 -0.04999228 0.491626237
## 112 0.94021603 0.912148365 0.93441947 1.417752975 -1.57390523 0.709924112
## 113 -1.14707225 0.179413883 -0.86230597 -2.021971235 0.43371641 -0.012669088
## 114 -0.36824827 -0.424370792 0.24586909 1.020054780 -0.96514290 0.490630141
## 115 0.65601042 -0.325912251 -0.02006667 -0.024426010 -0.59560403 0.798206265
## 116 1.50943399 2.306767199 -1.45062756 -0.542025523 -0.17398067 -0.182471092
## 117 1.84310422 0.395696479 -2.75617683 0.190688948 -1.68012010 -0.407716826
## 118 -0.15624967 -0.613086615 -1.33841344 -0.291314168 2.61259612 0.031710743
## 119 -1.16410487 -0.859524548 -0.47821457 -1.631305699 -0.83096278 0.177119867
## 120 -0.81208456 0.366132754 0.07329309 -0.403630161 1.43496940 0.077292783
## 121 1.63309081 0.854813184 0.45291551 -0.628054521 2.16214507 0.559558422
## 122 -0.51308639 -1.023479342 -0.75451097 -0.259112128 1.21921291 0.005713198
## 123 2.08183550 0.694112145 2.17679962 0.682441895 -2.39625543 0.919477727
## 124 -2.22374594 -0.024013092 -0.66750923 0.260473930 -0.63263434 0.223292588
## 125 -0.58046150 0.780898295 -0.45759834 -0.469008171 1.44511008 0.353236216
## 126 1.72951621 -1.548959887 -1.05380751 2.057941373 0.21705986 -1.513711932
## 127 -0.56089314 -0.875535467 1.25268508 0.379916908 1.76633730 0.584236862
## 128 0.39574552 1.360300006 -0.17959293 1.165528434 1.20715042 -1.386396519
## 129 -0.74756348 1.020767080 1.47036586 0.247880211 -0.22977797 -1.575761368
## 130 -0.59913922 -0.158215948 0.50795576 -1.036341718 -0.08352791 -0.081890657
## 131 -0.95132353 0.585049172 0.83561337 1.282395297 0.20255815 1.603936487
## 132 0.02714543 0.749311187 1.17856182 -0.745280880 0.72911195 0.273245876
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## 134 -0.36613993 -0.478209300 -1.21923115 -1.699960420 0.63350138 0.472431757
## 135 -1.11775937 0.311658543 0.21616249 -0.809306450 0.53120272 0.780437765
## 136 -1.25959834 -0.717269283 -0.78345204 0.715947133 0.31554111 -1.286511029
## 137 -0.85984100 1.235892932 0.52424582 0.454030288 0.85209000 0.137154174
## 138 0.50230651 1.071235482 -0.15939011 0.227475918 0.21304914 -0.098687842
## 139 0.92541094 -2.402732283 -0.22684742 0.143117051 -0.35545870 0.540688598
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## 147 0.75200919 -0.676700468 0.57561029 -0.911132992 -0.87180809 -0.829505107
## 148 2.44957612 -0.026567970 0.14560525 1.834138356 0.17617534 -0.334938226
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## 157 0.43744950 -0.198491262 -1.60124334 0.697469678 0.86030324 2.065829803

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## 158 -0.89123344 -0.604732443 -0.48923353 0.798124126 1.59028082 0.209789180
## 159 -1.57083392 0.175650551 0.74851247 1.885829162 0.86050716 -0.740645322
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## 165 -1.20018272 -0.390045515 0.27501185 0.068027561 -1.50378406 -0.396017266
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## 168 1.30040589 0.199576191 -1.31417547 -0.549984612 -0.73606374 0.642698801
## 169 2.38006605 0.884217848 0.93890831 -0.444824558 0.73940237 1.545657310
## 170 -1.86746888 0.242096384 -0.62389853 -0.193716084 -0.35735400 1.406706889
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## 177 0.05118580 -0.514651466 -2.29120817 -0.099169954 0.29625332 -0.176136477
## 178 -0.35667655 1.024986572 -0.20689893 -1.414903603 -2.29073322 -0.513402993
## 179 0.07642239 1.348187297 0.47435401 -0.344990090 1.14517540 -0.650396844
## 180 -1.48916375 1.154649050 0.30828297 0.147936266 -0.35988006 0.489333401
## 181 -0.86790541 0.457884735 0.33004744 0.121442228 0.20365581 0.924096198
## 182 0.67118221 -0.249205745 -1.16211988 1.253550998 0.04212895 -1.144919439
## 183 -0.69718154 -1.162567542 0.70360562 0.385176875 0.45085595 0.829535261
## 184 -1.20456371 0.922132450 -0.64236411 0.786474138 -1.23659139 0.581892267
## 185 -1.15011015 0.967696772 1.80350373 -0.293154169 2.44162079 1.093016576
## 186 -0.85983854 0.257658987 0.79512337 1.172175307 1.07078730 0.559360659
## 187 -0.98379459 -1.779766575 0.12725115 0.739504396 -0.45459023 -0.192490406
## 188 0.32789318 -1.738842350 1.40728179 -0.545395337 -0.09446262 0.661811898
## 189 -0.10828852 2.127990218 0.20629031 -0.265643302 -0.09064522 -0.552309935
## 190 -0.87426957 -0.875696000 0.63061576 -0.474108215 -1.53517556 0.195209544
## 191 -1.25686383 0.380629816 -2.25585581 0.961989971 1.74234990 -0.420825967
## 192 0.33510037 0.674062980 -0.84177951 1.219010994 -0.37636026 1.477375988
## 193 -2.09531499 0.239165393 0.18260894 0.077592579 -1.44019639 -0.026876121
## 194 0.63802933 0.860184378 -0.68042215 -0.102756045 -0.17219395 0.707921567
## 195 2.03515456 1.686647610 -0.21891367 0.624347901 0.23739463 0.164547353
## 196 -2.05668472 0.657158163 0.18336564 0.328922695 0.52482568 -0.097376174
## 197 0.08766547 0.573298874 -1.02231533 1.092179051 1.25774860 -1.180594214
## 198 -0.85045895 0.601703932 -1.93621654 1.012627373 -0.96762491 1.442720721
## 199 0.93253659 0.337001632 -1.12283374 1.089694008 -0.03043290 -0.945989258
##          V261          V262          V263          V264          V265
## 1  -0.160164604 1.194168756 -5.634924e-01 0.740645460 -1.188172355
## 2  -0.005317677 1.377842682 4.382932e-01 -1.523797985 -0.200593639
## 3   1.809250763 1.134181900 1.278726e+00 0.372273631 0.039757147
## 4  -0.199494432 1.178641374 -1.147153e+00 0.502167762 0.058781923
## 5  -0.527782465 -0.681942124 -4.293972e-01 -0.954413229 -1.114004255
## 6  -1.312688430 -0.447056509 -6.049872e-01 -0.420705938 -0.494252098
## 7  -1.433058567 1.648041627 -5.308375e-02 -0.618117748 0.999717821
## 8   1.277875970 -1.403616209 7.428546e-03 -1.231014868 0.112814394
## 9   0.066385063 0.341998060 -8.336897e-01 0.619607245 -0.748417492
## 10  0.909906760 0.289955688 2.022912e+00 0.818281103 0.951705240
## 11  0.153312353 -1.868796274 -2.567433e+00 -1.836677119 -1.748725706

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## 12 -0.062753016 0.893292810 -8.747823e-01 0.912161024 -0.558542821
## 13 -0.355609395 0.315093893 -1.783600e+00 -0.264793471 -0.667622671
## 14 -0.117438365 -0.268689343 -3.469934e-02 -0.183831955 -0.097524694
## 15 0.652582147 -1.209230854 6.781447e-02 0.421650528 -0.398399393
## 16 0.031681650 -0.800521921 -7.574461e-01 0.801971388 0.802855224
## 17 -0.085390772 1.213999348 -5.586146e-01 -1.183422859 -2.402496013
## 18 0.914271151 -0.658446528 -1.310874e-01 1.021243548 -0.168543613
## 19 0.083496965 0.916161363 -5.491861e-01 0.734924756 -0.691643861
## 20 0.146768206 -0.299706119 -1.547759e+00 -0.368169701 0.222842726
## 21 -1.813636167 -0.134760417 1.204433e-01 0.021397746 0.215477583
## 22 0.433423737 -0.780959669 4.744547e-01 -0.225327370 -0.148435732
## 23 -0.487625328 -0.012732604 7.483536e-01 -0.165779935 -0.946621658
## 24 -0.433515307 -0.565307420 1.298943e+00 -0.482484242 0.466608337
## 25 0.510460220 1.839658289 -4.471449e-01 1.286547716 0.168585707
## 26 0.098693858 0.954271985 -5.441045e-01 0.430060118 -0.373642320
## 27 0.705461386 1.083998262 3.559724e-02 0.547721474 -0.529415260
## 28 -1.025385773 1.714489738 7.457890e-01 1.223690391 0.974924140
## 29 -1.046905202 0.497032806 -9.126145e-01 1.331669218 3.229296797
## 30 -2.025870121 0.283707892 -3.296442e-01 -0.718386720 0.472260711
## 31 0.414735962 -1.173761404 1.957365e-01 1.030525675 -1.502962881
## 32 -0.843698002 -1.363607321 4.358995e-01 -0.555788379 -0.102694585
## 33 0.675062734 -0.381040883 -3.817277e-01 -0.369685396 0.923116240
## 34 1.253354848 0.255124501 -4.948016e-01 0.473853390 0.913068451
## 35 -0.905104100 0.629108136 -8.615705e-01 0.607058356 2.105505422
## 36 -2.671844128 -1.811252253 -7.575094e-01 0.216284379 0.911906747
## 37 -1.326808232 -0.446612978 2.861921e-01 0.347276473 -0.591511228
## 38 1.997034878 -1.480993326 -1.158620e+00 -2.027629033 2.580962713
## 39 0.229720474 0.082840154 4.535063e-01 0.025917621 0.588817108
## 40 -1.204102933 1.322739931 -1.745285e+00 -0.670966343 0.099862166
## 41 -1.988479774 0.901304379 -1.194361e+00 -1.291547151 0.183258472
## 42 0.328678281 0.164963805 -9.212817e-01 1.205192496 -0.236377082
## 43 -0.521845714 0.194184545 -1.651684e+00 -0.594851889 -1.156158415
## 44 0.790665037 0.379306637 2.566046e-01 -0.945813106 -1.074834574
## 45 1.080118748 -0.060131933 -1.487734e+00 -0.757898653 1.006094256
## 46 -0.172182830 -1.215254614 1.001821e+00 -1.532044168 -0.908507119
## 47 0.676656098 0.817241658 -6.864366e-01 -1.379164037 1.741622935
## 48 -0.257766170 0.936187328 -5.327430e-01 -1.143521901 0.879153320
## 49 -0.274750296 2.950501602 5.172180e-01 -1.266316389 -1.967949756
## 50 1.531790741 -0.690076397 -4.079631e-01 1.755048895 1.237275803
## 51 0.805314065 -0.250693275 -3.765428e-01 -0.129027802 0.133873068
## 52 0.139517506 0.506765119 1.124153e+00 -0.881040374 -0.720685090
## 53 -0.743908621 0.543203727 1.443225e+00 1.396564662 1.053070919
## 54 -0.082751509 -1.373984792 1.513421e+00 0.952981365 -0.202125905
## 55 -1.060043341 0.819598182 -7.554971e-01 -0.432667874 -0.211957291
## 56 -0.968204419 1.395443465 1.054309e+00 -1.363561891 0.112644246
## 57 0.713724846 0.882441401 1.747658e+00 0.101661194 -1.096311637
## 58 -0.529872822 -0.323838103 1.240180e+00 0.312958766 0.332052306
## 59 0.719298794 0.119049235 -6.144100e-01 0.328264436 0.773621719
## 60 2.054980507 -0.026457381 1.739291e+00 0.119934494 0.172046614
## 61 -0.370488706 0.271033247 9.382882e-01 0.064074033 0.455698682
## 62 0.549731710 -1.131189268 -1.351143e+00 0.190727616 -0.240583520
## 63 -0.254001021 0.309311236 -1.604515e+00 0.586432073 -2.591807464
## 64 0.521865959 0.975425822 -2.575157e-01 0.805204860 0.923870284
## 65 -0.385513956 -0.714336176 -4.900713e-01 0.773072024 -1.506195553

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## 66	0.168459317	0.971268601	2.268063e+00	1.686709138	-0.211416129
## 67	0.396050590	-0.245135916	4.696925e-01	0.309032578	0.543915814
## 68	0.666333299	-0.059811191	2.093880e+00	-0.123703739	0.386167320
## 69	0.663800899	-0.592174382	1.063742e+00	-2.028919106	-0.305180919
## 70	0.960069967	-0.063929775	1.323457e+00	2.277225387	-0.239561656
## 71	-0.049385798	2.534820787	-2.342994e+00	-0.374534196	0.315731744
## 72	-0.469008900	0.688403317	-1.392260e+00	0.202364185	-0.213071096
## 73	-0.610486152	-0.459208599	7.343331e-01	-0.463994842	-0.021322252
## 74	-1.004864471	0.638018542	-1.142368e+00	-0.187236175	-2.042383710
## 75	0.550705100	-0.338139177	-2.695524e+00	0.715280932	-0.192772490
## 76	-1.198952804	-0.152087288	-8.334802e-01	-0.885951127	0.462238714
## 77	0.056496163	0.935859786	7.208188e-01	1.528103755	-1.134659573
## 78	0.198219169	2.405191883	-5.531502e-02	-0.215022854	0.787057771
## 79	-2.168653358	-1.027996026	2.109401e-01	-0.166550864	-1.048817023
## 80	0.046650382	-0.381691246	-8.766489e-01	1.714118319	-1.574206509
## 81	-0.327962829	-1.992474426	-8.918884e-02	1.612950719	1.486093336
## 82	-1.440888927	-0.076481569	-6.789086e-01	0.313961396	-0.999741513
## 83	2.467200540	-1.474291869	6.719342e-01	0.107562259	-0.543555268
## 84	0.123824254	1.093959038	1.682346e+00	0.242657683	0.468502431
## 85	0.630902992	-0.717404816	-6.608854e-01	-0.840582878	-1.580734792
## 86	0.492100281	1.432829822	7.341520e-01	0.110086252	0.175029038
## 87	-1.940717679	0.451692739	7.589899e-01	1.121342857	-1.109771308
## 88	1.613059090	-0.073294405	2.022362e+00	-0.066833525	-1.406776152
## 89	-1.374057686	0.790915895	-1.213514e+00	1.028124836	0.322709639
## 90	-0.367631890	-0.075340934	3.584288e-01	1.131432536	0.823933979
## 91	-0.757014345	-1.095125156	-1.781374e+00	2.459303873	-0.074172001
## 92	0.178786905	0.545225606	-1.264690e+00	0.402927877	-1.454169190
## 93	-0.372921654	-0.505171072	-9.179406e-01	-1.114437336	-0.293909447
## 94	1.021890683	-0.725953687	5.421140e-01	1.307080961	-1.869625485
## 95	0.313469918	-0.947961568	-2.617604e-01	0.381917082	0.199055305
## 96	-1.107267109	0.458884444	-5.939447e-01	-0.447855427	-0.308450544
## 97	-0.240536129	-1.153806089	-1.347164e+00	-0.919468411	0.993247617
## 98	0.396118858	-1.407172743	4.865828e-03	0.702944684	-0.227174774
## 99	1.757668221	0.614384270	6.812401e-01	-0.603247945	1.003263353
## 100	1.915402673	0.859971105	-1.576463e+00	0.206806796	0.635119028
## 101	-1.382459700	0.700378520	-9.852112e-02	0.942205661	-0.680945647
## 102	0.403837329	-1.099161827	2.947440e-01	0.772392887	0.855223876
## 103	-0.883010034	-1.336331894	3.830252e-01	1.269295951	-1.429013861
## 104	0.126315416	-0.461624227	-2.323108e-05	1.041722022	-0.519398799
## 105	-1.178927183	-1.817636033	1.021926e+00	-0.030771225	-0.251975603
## 106	0.985242586	-1.276831667	1.122295e+00	2.027073557	-1.156059375
## 107	0.470322904	0.739538087	2.633313e-01	0.265716277	2.048603769
## 108	0.011265129	0.296204360	4.961844e-01	2.618026843	-0.095317828
## 109	1.224079515	-2.451651294	-1.295355e+00	0.390012229	1.173013349
## 110	-0.584054267	1.935604856	7.195521e-01	-0.016072413	-0.163048634
## 111	0.652727728	-0.426765221	4.021154e-01	-0.183864390	-0.316759133
## 112	0.514830222	-0.621126073	-1.776418e-01	0.833534906	-0.416067492
## 113	-0.369151017	2.139829930	-1.098090e-01	1.328564437	-2.160362361
## 114	1.833124019	0.871937891	-4.096002e-01	1.545675269	0.714038526
## 115	0.249930655	-0.493131402	-1.412191e+00	0.894296591	-1.498724262
## 116	-0.450711004	0.261097707	-6.861242e-01	0.407942631	-3.058774398
## 117	1.995630055	-0.225437916	3.979808e-01	1.008899416	-0.200609113
## 118	-0.510725770	0.430120840	1.716099e+00	-0.007886375	-0.608485780
## 119	0.280467236	0.841471907	-6.483017e-01	0.825744145	0.298080165


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## 120 -0.890203209 2.272498441 9.711024e-01 2.189338188 1.173619714
## 121 -0.600045802 -0.124852757 5.022347e-01 1.570592771 -1.601493805
## 122 1.199724970 0.227399985 -1.132411e-01 0.099596324 -0.070023236
## 123 1.689500540 -0.714453654 2.538093e-01 0.547984032 -1.771144887
## 124 1.452975351 -0.137119035 -1.658897e+00 -0.234570551 -1.920252693
## 125 -0.005517937 2.449345343 1.724013e-01 1.127858261 -0.598975057
## 126 0.676627525 -0.063096484 4.073567e-01 0.134364947 0.573153015
## 127 1.921256275 -0.388466062 -2.083982e+00 -0.202899510 -0.324738173
## 128 -0.106748616 -0.076641225 1.113781e+00 0.345687246 -0.055058495
## 129 0.302732369 -1.437841724 8.689952e-02 0.808620044 0.881572443
## 130 -2.311610666 -0.944050951 6.336722e-01 -1.207228210 -0.658703733
## 131 0.691974968 0.027588151 1.454571e+00 -0.490006070 0.184876860
## 132 -1.446451689 -1.830375108 6.347003e-01 -1.046140833 0.757470341
## 133 -0.150270652 1.865187283 -9.611919e-01 0.482866465 0.300031093
## 134 0.568442864 -0.649000004 1.108676e+00 0.308285519 0.141152139
## 135 -0.415465057 1.515997593 -2.308363e+00 0.993260471 0.495820763
## 136 -1.737179808 -0.064142572 -1.091975e+00 1.299823646 0.362127821
## 137 -0.432006230 0.851994496 -8.770687e-01 1.205263765 0.178798401
## 138 -0.587647210 0.750801279 3.860066e-01 0.513683864 0.005003016
## 139 0.150201096 2.453361025 -1.891432e-01 -0.950337173 0.266109627
## 140 1.282069972 -1.250163068 1.146627e+00 1.097877435 -1.034274413
## 141 0.708164680 0.483695485 -2.685784e-01 -0.128884987 -1.334498227
## 142 -1.535932606 -0.570329229 8.171803e-01 -0.435423531 -0.163688107
## 143 0.623654556 1.035715020 4.471634e-01 -0.962114056 -1.588802722
## 144 -1.499384756 0.320732194 -1.700067e-01 -0.663259777 3.411410853
## 145 -0.877452194 -0.270914391 1.335229e+00 2.686492093 1.769359487
## 146 0.290829418 -1.648854915 3.141792e-01 -1.411518634 -0.424079042
## 147 -0.923325720 -0.456979798 1.658567e+00 -0.527396181 -0.109421365
## 148 1.556192770 -1.102163746 -8.047287e-01 0.555572201 -0.608745164
## 149 -1.027163267 1.807564968 -1.070617e+00 -1.488552640 -0.376489022
## 150 -1.268649755 -0.108840118 3.684848e-01 1.174473403 0.899645193
## 151 -0.082735185 -0.404201226 -1.603134e+00 1.956051335 1.312120519
## 152 0.461458655 0.001581665 -7.171199e-02 1.137160585 0.222261699
## 153 -0.034321108 0.477691939 -1.070801e-01 -0.371468169 0.175716582
## 154 0.330044819 -1.329746937 6.306541e-01 -1.623451656 -0.574360835
## 155 0.861369165 -0.533096032 -1.144660e+00 0.656791224 -0.174871862
## 156 0.314840427 -0.389190669 9.116668e-01 -0.083300897 0.790112481
## 157 -0.600397161 0.955851585 9.011986e-01 -0.213687898 -0.799519710
## 158 0.531037901 -0.424531450 4.038543e-01 -0.609456963 -1.134025245
## 159 0.026850142 -1.016722234 2.087097e+00 -0.260909924 0.221079918
## 160 -0.325870899 1.076083586 -3.255451e-01 -0.705940231 0.828725434
## 161 -0.209284073 1.024412488 -1.769163e-01 -0.697474998 0.565128825
## 162 0.558220209 -0.345450419 1.181793e-01 0.662525279 2.403458853
## 163 0.275326071 0.743557202 1.688429e+00 0.152334345 -2.097048832
## 164 0.102491258 0.165992538 -3.654162e-01 0.309903375 -0.138880334
## 165 1.111636310 -1.348211628 8.043832e-01 0.400804239 -0.710206243
## 166 -0.953693705 -0.631479401 1.082359e+00 -0.080448531 -1.890803669
## 167 -0.448705620 0.377239210 -9.510162e-01 0.928665104 0.376918220
## 168 0.962102730 -0.727271898 -2.728190e-01 -0.682337504 0.125595975
## 169 -0.695317470 -1.282906864 -5.033662e-01 0.070750048 0.126000497
## 170 1.273650273 -0.105730687 1.139038e+00 2.505838534 -0.073201160
## 171 0.684178156 -0.512958434 -8.566671e-01 -0.301590701 -0.788218433
## 172 0.861135496 1.232531763 -4.409070e-02 -0.701109546 -0.625719128
## 173 1.734574657 -0.815485778 1.102611e+00 -0.147449365 -0.023595108

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## 174	-0.441432262	-0.093811948	-1.289373e-02	0.495204646	-1.970069960
## 175	0.701883568	-0.694109829	-7.538412e-01	-0.421329416	0.079216300
## 176	0.250451791	0.595475005	-5.511930e-01	-1.494708933	-0.757179049
## 177	-1.261535537	0.355667471	-9.341881e-01	-0.920057947	-0.058781245
## 178	-0.914461219	0.314669685	-3.530363e-01	0.045767301	0.005349097
## 179	0.541408249	-0.496680484	-4.702139e-01	-0.648699667	1.144178979
## 180	1.516870804	2.476790756	2.572025e+00	-0.971076812	-0.740341476
## 181	-0.393872209	-1.200082815	1.634809e+00	0.286032044	0.317127675
## 182	0.400890461	0.234235523	-7.457174e-01	0.017486713	1.397299784
## 183	-0.207663345	-0.259020949	9.671252e-01	1.234415129	0.198784648
## 184	0.272647271	0.822086445	6.589230e-01	0.358052991	2.718671059
## 185	-1.151464364	1.296130587	-4.873529e-01	0.497327042	0.163057192
## 186	-2.612732568	-0.783043620	7.700018e-01	-1.077062704	-0.695105972
## 187	-0.374417863	-0.675215529	5.605439e-01	-0.192995964	-1.127909661
## 188	0.876562115	0.492174846	-7.709112e-01	0.414932802	-0.503906381
## 189	0.826678614	0.707411282	-8.625529e-01	-0.160668510	2.034036939
## 190	-0.636978589	1.707867200	2.063956e-01	-0.943011522	-0.291018643
## 191	-0.835162049	-1.197703883	4.982163e-01	-0.482395926	-1.697757609
## 192	-0.316488396	0.712716554	3.144020e-01	1.670561357	-0.895056036
## 193	-0.147937326	1.164236278	3.801110e-01	-0.226838367	1.432721974
## 194	-0.360031036	2.160877658	6.768106e-01	-1.244835992	0.114439956
## 195	1.696771487	0.510830227	-1.471318e+00	-1.003216093	0.888801481
## 196	0.553332443	-1.265623190	1.811601e-01	0.329745129	0.898899145
## 197	-0.448158938	-1.208524092	-9.699220e-01	-2.150572023	0.488759860
## 198	1.228466890	1.289379560	-3.008596e-01	-0.958497567	0.389684833
## 199	-0.864227975	0.108230352	7.887232e-01	1.248445356	0.363252543
##	V266	V267	V268	V269	V270
## 1	1.653447987	0.295743834	-1.675169545	0.10389588	1.030987961
## 2	0.870670859	-0.391222379	0.705767450	-0.78761728	-0.590272508
## 3	0.684153321	1.422411578	-0.010686148	-1.00569353	1.261290874
## 4	0.478808751	-1.015511393	-0.200442186	-0.82941284	0.494490359
## 5	-0.811197864	1.431353871	1.552699302	2.30085652	0.947294152
## 6	-0.886904909	0.231437593	0.987746861	-0.01337683	0.555632620
## 7	-0.446850078	-0.020004412	1.061255028	-0.03750729	-0.683089365
## 8	0.628148880	2.087146249	-0.854059800	1.09282932	0.375558828
## 9	0.757468313	1.451806635	1.154194059	-1.92895232	-1.957208720
## 10	0.824407745	1.211628876	0.077642912	0.38250703	-0.584265819
## 11	0.043481289	-0.809781478	1.043279372	-1.69089463	-0.656516317
## 12	0.035508183	-0.226877664	-1.943272531	0.54462931	-1.698115566
## 13	0.886482179	1.570440039	-0.111756181	-1.87310595	1.027732257
## 14	-0.736495467	0.614610360	0.825987089	-1.77406558	0.375140753
## 15	-0.920552268	1.110462039	0.654488665	-0.14235628	0.303886897
## 16	-1.929880920	0.321109816	1.983141427	-0.14442229	0.109095178
## 17	-2.597193354	0.767524389	-0.377016023	-1.84350926	-2.125184633
## 18	-0.242263512	-0.399719923	0.114666443	-0.61179461	-0.114503170
## 19	-0.552370496	0.373213135	1.903633884	-0.98493106	0.102060449
## 20	-0.306126592	-0.257998000	0.154743788	1.12460008	1.035330656
## 21	0.191129746	-0.360198388	0.135246095	0.43353692	-0.409296776
## 22	-0.201565017	-0.310349271	-0.874411818	0.03948511	0.417074391
## 23	0.421519747	-0.845667504	-0.776825184	0.83348456	1.085397017
## 24	0.415328736	-1.112694880	-0.412771349	-1.39364983	-0.524981842
## 25	0.247776742	2.319033225	0.435456846	-1.19901172	0.516613807
## 26	-0.278154314	-1.446309226	-0.318901958	0.12420863	0.598224544
## 27	-0.005120147	0.147505729	0.249093674	-0.05950577	2.323262945

## 28	0.969522430	-0.252809781	1.520233299	-0.57834035	-2.881979977
## 29	0.762995062	1.190237428	0.491249006	0.10810414	-0.881047316
## 30	-0.955602376	-0.373099761	-0.761948664	1.25240713	0.461711600
## 31	0.534702946	0.931926985	-0.994718801	0.77930174	-0.758782667
## 32	-1.048517449	1.693417281	1.060354675	0.68603161	0.067050385
## 33	-0.809243111	-0.345775362	0.757360708	-0.02108818	0.552750890
## 34	2.469876681	-0.294370286	0.264782206	-0.97105098	0.630291131
## 35	-0.381047506	1.407571597	-0.216318967	-0.76451727	-0.031519873
## 36	0.435983641	0.533676936	0.368423577	-1.98974729	-0.953443443
## 37	1.357897970	-0.130773043	0.327219356	0.64614848	-2.358543617
## 38	-0.322219172	0.297216224	-0.546053771	0.97490701	2.155845272
## 39	-0.693592678	-0.725210767	1.800433202	1.67699071	0.103093155
## 40	-0.411157782	-0.893042837	-0.987708329	0.19227736	-0.038007243
## 41	1.485857988	-0.094261411	0.037797044	-0.07098560	-0.137855477
## 42	-0.845286213	0.156135059	-1.096536229	1.82923433	0.491630712
## 43	1.473533268	0.787628479	1.459427880	-1.56981016	-0.225500973
## 44	-0.004514638	-0.607258490	1.072140156	1.76633401	0.249979289
## 45	-0.204191341	0.192098388	0.591721924	-0.63926873	0.684443216
## 46	-0.889360285	1.046832993	0.463984737	-1.10553374	0.205069586
## 47	-2.163394265	0.541753822	0.349953706	0.59226447	-0.458355348
## 48	-0.479346145	-1.261957121	-1.535048695	-1.57308947	1.242509276
## 49	-0.576610283	1.168722428	0.671316076	-0.48869367	1.428770466
## 50	-0.069032796	0.177012729	-0.985665100	0.31979222	-1.300101564
## 51	1.517802175	0.732536889	0.419118791	0.06845522	-1.311192615
## 52	0.377684032	0.485295240	-1.376835992	1.00527676	1.487123761
## 53	-1.191484755	0.198139306	-0.254528111	0.11144213	0.172524744
## 54	-0.648673198	0.532757612	0.121523856	0.47784139	-0.647241649
## 55	0.407105325	0.616497832	0.709155606	-2.61477381	1.437690075
## 56	1.176718612	0.291082526	0.059543695	0.02878556	0.633705661
## 57	0.786249246	-0.705029466	-1.872093977	-1.23407346	-0.415066833
## 58	0.726719226	0.207137410	-1.258624350	-0.52190294	-1.029183750
## 59	1.843377341	-0.518691183	1.642528758	1.51745312	-0.682632969
## 60	0.373646786	1.039127727	-0.455325174	-0.21945176	-1.175169302
## 61	-1.672309885	-2.335651823	-1.613507898	-0.76296789	-0.385717887
## 62	0.789193798	0.300092259	-0.537690242	0.38797406	-0.827690444
## 63	-0.151684093	0.212916305	-0.358154118	-1.36604245	-1.214541527
## 64	-0.896588137	-0.244988098	1.015911758	-0.41447902	0.741367565
## 65	0.366633221	-1.198975193	-0.327460739	-0.50915883	-0.302693311
## 66	-2.226838992	0.041738284	-0.337315132	-2.11304556	-0.319960645
## 67	0.748188816	0.508604616	0.130421911	0.51369950	-0.729626430
## 68	-0.193186007	1.089751659	-0.649866105	-1.59688594	0.660071358
## 69	-0.112103283	1.059046914	-0.549081151	-0.99608491	1.028853676
## 70	-0.543672683	-0.049632935	0.079216299	-0.44900145	0.497286817
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## 75	1.433157883	0.404932709	-1.184313220	-1.74698505	-2.507794075
## 76	-0.825205548	-0.219471753	0.583220269	-0.59735229	0.594364300
## 77	0.625190705	-0.228443896	1.001394558	-0.15354744	0.297008731
## 78	1.556078837	0.892057705	-0.648219007	-0.56724468	0.641285273
## 79	-0.345625007	0.368327918	-0.360114927	0.34723118	0.529981982
## 80	-0.683064477	0.379689098	0.840456265	-0.20649284	0.749480893
## 81	0.615136741	0.092852570	-1.271822774	-0.01918815	1.515453870

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## 85  0.865173850 -0.103603802 -0.003892006 -0.26112737  0.983759132
## 86  0.615948192  0.048254502  0.731428214  0.20903954 -1.977325252
## 87  0.636444038  1.134587097  0.348759255  0.10881075 -0.111978992
## 88  0.482490749  2.089574342  0.296080720  0.90886503 -0.092830675
## 89 -0.068893381  0.237408163  0.089010726 -0.74360196 -0.346313104
## 90 -0.638393784 -0.028824371 -0.611757219  0.53829575 -0.608554593
## 91 -1.060929660 -1.578520777  1.284129806  0.09900324 -1.103927032
## 92  0.431381018 -1.660310455  0.656673134  0.64764794 -0.829206468
## 93 -0.077725106 -0.534248515 -0.401701793  0.90726612  0.789256664
## 94  1.809812691  0.338824283 -1.509976142 -0.17814049 -1.118443928
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## 133 -0.609198176  0.165225673 -0.487003490 -1.94522329 -2.511040520
## 134 -0.951458592 -0.962742495  0.657955434  0.07111838  0.771527519
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## 182 -0.809369048 0.737521506 -1.010856912 -0.10986792 -1.459649901
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## 184 0.119127542 -0.262166614 -1.476030694 0.54643465 0.567616428
## 185 -0.063134575 -0.059538958 -0.306471878 -0.54961004 -0.836754414
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## 196	0.236096077	-0.132261230	0.193331355	-0.79601874	-1.011911312
## 197	1.752981421	-0.750560028	-0.495753247	-2.20814781	1.072911561
## 198	0.722376450	-1.300200493	1.696367444	-1.59745824	0.624588698
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## 5	0.527891424	0.698651301	-0.59342211	1.857478876	0.459099136
## 6	1.251067746	-0.204979692	1.11289961	-2.057271321	-0.743467694
## 7	0.155988904	0.468918768	0.60885336	-1.525321719	-0.667664388
## 8	-1.054758701	0.721648374	0.28900669	0.647175352	-1.723467770
## 9	-0.422038696	0.356837383	-0.99593619	1.261220505	2.207323369
## 10	-0.322424904	1.857208621	0.98959098	-0.993053669	-0.933485354
## 11	-0.393524971	-2.020020414	-0.36661561	-0.727392249	-2.879876787
## 12	0.548122298	2.649805473	0.03548527	-0.358702434	-1.850786800
## 13	0.608353812	0.075094328	2.12321625	-0.012007275	-0.449864097
## 14	-1.446776430	1.071274581	-0.23231788	1.021610068	-1.375801637
## 15	-0.793419365	-1.986322849	1.50015886	0.408829501	-1.684178781
## 16	1.369369993	-0.943590034	-0.09773808	0.513307347	1.151810299
## 17	1.150026079	-0.492099270	0.41419062	1.184495027	0.693591676
## 18	0.125207165	-1.050210521	-0.06267496	0.777616526	1.114701585
## 19	1.380028143	-0.254494484	0.78405996	-0.087954002	-0.700079960
## 20	-0.599433742	0.114564589	-0.26861606	-1.685125159	0.997549789
## 21	0.919365302	0.740888764	1.55109402	-1.511766429	-0.923478119
## 22	0.394361576	-1.790698948	1.56201257	-1.434765350	-0.473679960
## 23	1.297820539	1.238600095	0.59062238	-0.770776847	-0.122401492
## 24	-0.486183001	1.045157098	0.40033176	0.919314299	0.582349988
## 25	-2.321594862	-1.182161592	-2.22040793	-0.529087878	-1.171863101
## 26	0.484830053	-1.123050820	-0.17041711	-0.015891789	0.231922261
## 27	-1.117260893	1.677469617	0.59920758	1.182848670	-1.069816094
## 28	-0.392995096	0.402024605	1.08537124	0.811993387	-1.700936904
## 29	-0.140172750	0.120444074	1.23262320	1.989138004	0.580330450
## 30	-0.586281651	-1.290108280	-1.16906638	-0.671999360	0.809251157
## 31	0.482171401	-1.452106992	2.07140325	-0.277723273	0.199905596
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## 33	1.251024172	-1.122236848	0.97556050	1.259028660	-1.064541151
## 34	2.558531366	-0.425487823	-1.49532503	-0.780495847	2.503318754
## 35	0.807494752	1.108768578	-0.03208325	0.858057317	0.023106851
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## 39	-0.683847085	-0.654430076	-0.23853407	-0.565935656	-0.468901482
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## 41	-0.353938893	-0.422397658	-0.29415101	-0.183875025	-0.784607130
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## 43	0.050661405	-0.468379709	0.84763286	-0.353813902	0.900948288

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## 45	0.440855876	2.466465281	0.49743551	1.416311244	-2.093603667
## 46	-0.429173420	0.726313992	0.80233277	-0.163335401	1.147443555
## 47	-0.283740243	-0.030564920	-1.05453688	-0.854660006	0.106433112
## 48	1.486644885	0.753366978	-0.29411642	1.232532081	0.980317876
## 49	0.343596222	-0.911264514	-1.84754310	1.193491065	0.287615315
## 50	-0.266195560	0.441377425	-0.10503385	0.876356773	0.491102557
## 51	-0.501036385	-0.116364066	-1.24232221	-0.115626310	-0.146721761
## 52	0.649809252	-0.276810976	-0.69932503	-0.207397917	0.990981799
## 53	0.198294753	-0.088114542	1.41772397	-1.622541511	1.866816357
## 54	2.117080887	-0.871874232	0.63415602	-2.265480756	-0.889188762
## 55	0.070592925	0.511081056	0.11580472	0.400043781	2.042712911
## 56	0.033605671	-1.345060610	-0.07938250	0.402796206	0.156702547
## 57	-1.060483233	-1.394330805	0.81687562	-0.263502083	0.081363896
## 58	-0.271859128	-0.637325018	2.41727213	1.322799104	0.821939954
## 59	1.586416752	0.068338162	0.44792715	0.194295644	1.592923336
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## 61	-0.814717771	1.910096800	-1.15087299	0.369735482	0.769232142
## 62	1.081301963	-0.669881172	0.45215186	-0.181452814	-0.051441683
## 63	0.272773620	0.434159741	-0.65013669	0.193937177	-0.367295451
## 64	-1.199360629	0.429837127	0.24757948	1.122879832	-1.147153111
## 65	0.006888947	-0.429348412	0.37121195	-0.889100478	-0.853820211
## 66	2.733395607	0.566181390	0.43881276	-1.933900235	-0.658760155
## 67	-0.990513932	1.442256501	-0.49617595	-1.009745040	1.436149182
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## 77	2.561793294	0.049294459	-1.13569770	-1.709140711	1.672429319
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## 80	0.064480644	1.556868328	-0.21326066	-1.256079193	1.355840369
## 81	1.741942811	0.537358538	0.33819808	-0.524537652	0.535189592
## 82	-0.032730935	-2.237419395	-1.43118268	-0.108468381	-1.692832271
## 83	0.670815254	1.360782799	1.13014583	1.209188842	0.081811850
## 84	-0.130783113	-0.658118939	0.61163997	-1.133003338	0.265269253
## 85	-0.354194246	-0.284514931	-1.11870088	0.351928215	0.544717095
## 86	-0.389149379	1.340162583	-0.05287701	1.811632159	-0.184734189
## 87	0.747514590	1.235801376	0.73309397	-0.513582699	0.104707192
## 88	-0.558643628	-0.020983000	0.14595373	-0.695278361	-0.787665153
## 89	0.211294661	-0.057439188	0.41906671	0.164779964	-0.788280307
## 90	1.989211507	-0.132065980	0.02627634	0.345290581	0.207977567
## 91	-0.388558211	1.926844292	0.95935165	-0.527986494	0.520178832
## 92	-2.251818835	-0.594452995	0.67447136	-0.852730449	0.143297854
## 93	2.273656104	0.951000962	0.23812902	0.981480867	0.363119368
## 94	-0.383117438	0.082840982	-0.45385944	-0.349746886	0.037074163
## 95	-2.959347721	0.672902872	-0.64317125	-0.268820830	0.147903339
## 96	-0.661487451	-0.299821220	0.14188855	-1.003613526	0.419290802
## 97	-0.140990963	0.346584779	0.28388152	2.159570718	0.244287775

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## 98 0.623017298 -1.118728007 -0.51890179 1.715817737 0.325750221
## 99 -0.506979214 0.563265974 -0.79016437 -0.081798706 -0.005042534
## 100 -0.396142034 -0.333044456 -0.10171882 2.719660542 0.698427319
## 101 1.457648160 1.502618193 2.23585535 0.021340627 1.025550103
## 102 1.158187820 0.680850821 0.03123482 0.602151776 -1.506271493
## 103 1.060621258 0.402613656 -0.90450999 -0.025198366 -0.548070420
## 104 -1.677001413 -0.420199870 -0.36732993 1.549058160 0.032756129
## 105 -0.881164583 0.142967187 0.65568014 1.609517884 -0.196375515
## 106 0.270466456 2.349039474 -0.84246230 0.445529916 -0.446441344
## 107 -0.871199928 -0.636715618 -0.72636023 -1.721937870 0.490866003
## 108 -0.713512432 -1.084565214 -0.25756459 2.389973774 0.697902872
## 109 -0.234329408 -0.564244094 0.28836220 -0.584300694 -0.977588402
## 110 -0.198734502 1.191245477 -1.08124582 -2.035659590 0.834211402
## 111 -0.056572812 1.081324721 -2.35187301 0.090892944 0.967742378
## 112 -0.481904049 1.870758976 1.12761469 -0.597959160 1.471789988
## 113 -0.692048604 -0.021564885 -0.13925071 0.142072374 -0.830189283
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## 127 0.767753993 -0.260614723 1.18042075 -0.416822292 -0.124751144
## 128 -0.992832166 2.574849068 1.65963866 0.469494126 -1.203923304
## 129 -0.408749355 -0.648018724 -1.24783160 0.322028937 -1.124520410
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## 133 -0.520838193 0.579310501 0.89706791 0.553137178 -1.572441798
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## 136 1.442798939 -1.148007275 -0.64568434 0.469777828 0.094189255
## 137 -0.248344514 -1.223090770 -0.70178225 0.409695765 -1.054200728
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## 142 0.884181660 1.705241081 0.74135820 -0.617523947 -0.424005123
## 143 -0.432011315 -0.037934444 -0.25047283 1.372656315 1.246900958
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## 152	0.745553821	1.099623066	0.43348452	0.602142441	-2.246558762
## 153	0.645721563	-0.670216761	-0.68541748	-1.404705416	1.097670438
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## 156	1.249058377	0.498887739	-0.18581578	0.329965166	-0.551096478
## 157	-0.785935198	-0.812639467	-1.55495449	1.703187643	-1.183484271
## 158	0.616852596	1.183152381	1.06513276	1.224807873	1.325923418
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## 163	-0.152832662	-0.399492117	0.23327682	0.981797814	-0.622543519
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## 166	-0.209654114	-0.602114024	-2.05194903	-1.186023138	-0.160063387
## 167	-1.135032656	0.572014973	0.35917592	-0.620502955	0.139142252
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## 169	-0.395638661	0.765130240	0.45608942	-1.122849296	-0.588855877
## 170	-0.044862534	-0.961581697	-0.82097780	0.805429439	0.551304323
## 171	0.257882734	0.710886217	-0.28581050	-0.192800399	-0.685969244
## 172	-1.205304011	-0.374876782	0.26091310	1.165715104	1.073046479
## 173	0.040838365	1.532778459	0.21472126	0.432575778	1.341283226
## 174	1.419448078	0.280038966	1.39517436	-0.957378286	1.124837175
## 175	0.670013900	1.320441414	-0.62753507	2.204598592	1.001848377
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## 177	0.708023799	1.092306640	-0.44013249	-0.345369707	0.845947054
## 178	0.355962995	1.147772755	0.46828002	-0.977526132	0.040744371
## 179	-1.700675986	0.403066294	-1.17839098	-0.354650584	2.822550364
## 180	-1.189901258	-0.909783623	0.71328737	-0.542758875	-0.255072235
## 181	0.683046025	-0.765999123	-0.20779016	0.704438588	-0.407294166
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## 183	-0.270982204	-0.061178743	-0.33542874	0.972104352	0.662356424
## 184	0.904286269	-0.866509616	0.77324412	1.603201269	-0.630624957
## 185	-0.760683582	-0.193993752	1.95088496	-1.344845677	1.108051712
## 186	0.339046837	-0.607703295	0.64443025	-0.381746412	1.672942497
## 187	0.630787203	-0.116208465	-0.13543943	0.024518392	-0.211442238
## 188	1.280053609	-0.533208227	1.06208617	-0.987585402	0.135264810
## 189	0.124681150	-0.242517895	1.83490494	0.568479822	-0.512569559
## 190	1.662782104	-0.510125257	-2.52674699	-0.319827873	0.732966432
## 191	0.358201062	0.517122106	0.11367504	1.078583938	0.028088622
## 192	-0.336362904	0.009375295	-2.39644644	-0.176337231	0.284297024
## 193	-0.097226200	0.697645000	0.14800481	0.322275237	-0.339933893
## 194	-0.320107392	1.152631900	-0.65070188	0.065831869	1.043054920
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## 196	-1.431721635	-0.835689098	-0.71844930	0.734980742	-0.306270624
## 197	2.401470836	-0.398955593	1.08894149	1.503412612	0.184242560
## 198	-0.097810513	0.035137087	-0.28531313	-0.567823906	-0.223681342
## 199	-1.613311372	1.777810708	0.86732530	-1.138280702	-0.877478554
##	V276	V277	V278	V279	V280
## 1	0.110164135	-0.491135338	0.4593305514	-0.935541529	-1.00970494
## 2	0.354534849	-1.385010800	-0.5485298691	2.090697794	-1.16321291
## 3	-1.393420767	-0.099873743	-0.8269756205	0.985735861	0.25881807
## 4	1.684533051	-1.988525825	0.4480164608	0.093068043	-0.62092761
## 5	1.055028732	-0.201792834	1.5272711141	-0.126335478	0.97329430

## 6	0.139602088	-0.163215888	1.0366329549	1.484223337	-0.88298650
## 7	-1.022132830	-0.738256617	-2.9135078719	-0.419555839	-0.69708796
## 8	-0.360448117	0.155065821	-0.0463151234	0.028943188	0.46908114
## 9	-0.019884516	0.657074948	1.7776028231	0.702084159	-0.81699369
## 10	-0.378635142	-0.412851617	1.2291083554	1.719681617	-2.14846546
## 11	0.157231638	-0.104973541	1.6576578773	-0.451129717	-0.14730872
## 12	0.954607873	-1.374044485	-0.4829844425	0.836654611	1.43964634
## 13	1.592109211	0.985522147	-1.0277401933	0.853865942	-0.53420306
## 14	-0.190841134	-0.008620989	-2.2084572237	0.466282439	0.11369776
## 15	0.415990630	-0.596753660	-0.4889039573	-0.201468288	-0.66393722
## 16	0.054144220	0.386037731	-1.1738458447	-1.514238481	-0.25215528
## 17	-0.247700130	1.597201430	0.7301077713	-0.586237615	-0.25136612
## 18	-0.249667431	1.972139023	-0.9989772038	0.779329088	0.35039809
## 19	1.897077131	0.131945313	0.6374466335	-0.451867006	0.75172148
## 20	-0.784116860	-1.169420850	0.6629729679	0.010662922	-0.95276529
## 21	1.657776284	0.989581145	0.4030827153	0.057764387	0.87300603
## 22	0.919439884	-1.035813865	0.6953283169	0.492652236	-0.23601494
## 23	0.130230129	-1.388499998	-1.3413747864	-0.098601850	-0.14174393
## 24	0.189724384	1.539820820	0.6079709462	0.677164705	0.72713738
## 25	-0.949497503	-0.857138795	-0.3862449506	-3.474280000	-1.41437505
## 26	0.149866170	2.453080479	0.0161721947	-2.433627527	1.54584155
## 27	-0.204995689	-0.691810111	-0.5700895470	0.171158681	1.12272954
## 28	1.106848034	0.295460891	-1.0559564026	1.212772216	-0.63091840
## 29	0.541874163	0.677489789	0.6215607379	0.449204253	0.83071139
## 30	-0.164537767	0.546681416	-0.5278494456	0.526780345	-0.31422774
## 31	0.312397847	0.573245291	1.2526642655	-0.279337007	0.22546407
## 32	-2.339610979	-0.515302281	-1.6172832803	0.095433923	-0.05231385
## 33	1.103554165	1.100188019	2.1015926489	-0.262941489	0.01243743
## 34	0.837730176	-0.194714298	0.6239271252	0.097189014	-0.89338989
## 35	0.164094961	0.808542509	2.1735583191	0.975920431	-0.27945086
## 36	-0.791089626	1.475167495	-0.5486497322	0.845954083	1.10042255
## 37	-1.190413272	-2.025770803	1.2276989086	-1.172622470	0.46551473
## 38	0.516224477	0.007550446	0.9513392580	-1.608635438	-0.12177996
## 39	0.314870578	-0.406311009	-0.4173576791	-1.258028324	-0.40551796
## 40	1.002239866	-1.810195935	-2.0920225175	-0.857931731	-0.01277906
## 41	-0.446590273	-0.244876709	-0.5812046301	0.863317535	-0.87266490
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## 43	-0.362945638	0.091713214	0.8499688064	-1.398206615	0.90631139
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## 45	-1.191828338	0.207116280	1.1925702450	0.365874902	0.33349245
## 46	-0.379523940	0.474291956	-0.6403555763	0.003588198	-1.81663066
## 47	-0.418520592	0.892560897	0.0600337195	-0.790231218	-1.31527301
## 48	2.476152158	-0.305999995	-0.6920214334	-1.744663706	0.31223697
## 49	-0.956506022	0.099420644	-0.2626834192	-2.830702041	0.35265376
## 50	-0.320363410	1.025190459	-0.7046976237	-0.570280446	0.22342228
## 51	0.070797219	-0.760788870	-0.8597176948	-0.796284121	1.74662044
## 52	1.158928441	-1.323832426	0.0419744959	-0.301676987	0.69683835
## 53	0.457876724	3.117053518	-0.3038770355	0.960246992	0.75004766
## 54	0.454871664	0.062169597	1.0194716073	1.209832346	2.31626011
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## 56	0.101010448	0.420625018	-0.1887800321	0.195783565	-0.15471111
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## 62 -1.661900418 -0.949992747 -0.5696043340 0.836177983 0.35534908
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## 65 0.826974472 0.800206127 1.7466688246 -1.493425043 0.55016627
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## 92 0.613076622 -0.570434922 -1.2685697763 -0.671356476 -1.01143637
## 93 0.363955884 0.490430191 -0.2173656160 -0.348292891 1.70622173
## 94 -0.152451313 0.303982251 1.0369695039 0.918175194 0.44654045
## 95 0.734678476 -1.946885747 0.6839191632 -1.095630869 1.82161981
## 96 1.882294587 0.192082417 1.5293099369 -1.064161318 -0.13271559
## 97 -1.378972459 0.113584828 -0.0266378000 -1.003625332 -1.64680898
## 98 0.109401824 -1.089618960 1.6857243972 -1.088046847 1.56412410
## 99 -0.036965221 0.950074164 0.1186010542 1.175860640 0.49358377
## 100 -1.180252652 -0.649183227 0.2310390546 0.361442109 -0.92838171
## 101 -2.369395013 1.576702885 0.9089621193 0.100751042 1.29090135
## 102 0.682627211 1.794648102 1.5057269770 0.353620930 -0.85748425
## 103 1.098031387 -0.690867380 1.1155285736 -0.802788960 0.53868927
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## 105 -0.560877108 -0.389631860 1.3646955305 -0.737911963 -0.30669443
## 106 0.568643615 1.132851617 1.5446024674 -0.016576209 0.38198118
## 107 -1.018127964 -0.713107280 0.7595714221 -0.252867227 -1.75994567
## 108 -1.381228924 0.223829430 0.1484887310 1.121159980 0.35668275
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## 110 1.476073738 -1.289435290 -1.1981909383 -0.893771214 0.69970116
## 111 -1.038970385 -0.277612827 -0.1007996730 0.732409168 -0.27320734
## 112 1.215746237 0.284994378 1.3993198537 -0.686471796 -1.51171632
## 113 0.126327632 -1.556761139 0.3948524794 -2.028550072 -0.44002883

```

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## 114 0.418369588 -0.812815817 -0.8536099397 -2.306486427 1.72133977
## 115 -1.325744925 1.531114433 0.5557086091 -0.919692749 0.54305256
## 116 0.160333917 -1.605640098 -0.5663217176 -0.876822638 -0.72402458
## 117 0.340079073 0.579350650 -0.9558162904 0.567803459 0.08725949
## 118 -0.534966175 2.448745614 0.8312987692 -0.091093346 0.84516705
## 119 -1.668243592 -0.069328234 -0.7571260290 -0.459801853 -0.32011979
## 120 0.315376479 1.165988145 -1.5237485053 -0.133162337 -0.74625973
## 121 -1.841828401 0.853312639 1.8469525339 1.838748104 -0.10619311
## 122 -0.617297647 0.554111482 0.1864245722 1.058633773 0.40303946
## 123 2.254405694 -0.137946755 -0.9367552256 -1.441875638 1.17816411
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## 125 0.570031946 -0.288072662 -1.0876537644 0.118962995 -1.08043779
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## 129 -0.542236833 -1.114539667 -0.5166049779 0.537956154 -1.07505013
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## 131 -0.129032515 0.481271248 1.2992621535 0.047243363 -0.23369245
## 132 -1.037706097 -1.339121058 0.0057240990 -1.232010793 0.46670572
## 133 0.743069734 1.601415036 1.4671657292 -1.870604163 0.45721854
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## 135 2.152517166 0.453175478 0.3239434264 -1.340624085 -0.41161877
## 136 0.647330611 0.237121537 0.8271739605 -0.495653994 -1.52386610
## 137 0.770891191 -0.384715308 0.0874118437 -1.736942011 0.76626541
## 138 -0.357673902 0.706555551 0.0969836847 -0.104649633 0.90343922
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## 145 -0.930948858 -0.700008188 -3.5456412812 -0.573503458 0.69746739
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## 147 -0.945621841 -1.259662536 -0.2179892597 0.192648469 -0.30339539
## 148 0.677870724 0.162988536 0.3875016883 -0.541514929 -0.27757922
## 149 0.234866520 1.554550653 0.8558470454 -1.151603075 -0.17863016
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## 151 -0.369438913 1.917699042 0.5606361977 -0.194047502 0.18855378
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## 159 0.462457647 -0.022892162 -0.0903461873 -0.631610978 0.05744078
## 160 3.664992305 -1.824578775 0.3432231168 1.327348655 -0.13306083
## 161 0.394310685 0.170389014 0.9446329216 -0.018523312 0.32565989
## 162 0.034685099 1.506792268 0.0703562281 0.903662095 -2.33571038
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## 165 -0.497574462 -0.293848625 0.4350503789 1.289912621 -1.05332603
## 166 0.929360322 0.417704378 1.5669469914 -0.058186433 -0.36970558
## 167 -1.004388722 -2.379241248 -2.1804543883 0.869138237 -0.72662794

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## 168	0.579800271	-0.353953761	0.6629058775	-1.029531456	0.12360814
## 169	0.630563511	0.461699797	0.7112476774	-1.257314791	-1.14615026
## 170	-0.257481043	-1.800820743	0.8004621977	1.208819920	-0.53022622
## 171	0.287490546	1.050415232	1.1542361548	-0.666405426	-0.57228535
## 172	-0.747959235	-0.503190703	-0.1994781303	-0.354158597	-3.40458185
## 173	2.774998766	-0.409693772	-0.3466256486	-2.378885439	0.76172015
## 174	1.014397228	0.759100582	0.2344204310	-0.009307239	-0.75599255
## 175	0.117567214	-0.953909884	-0.0381707590	-0.034416663	-0.78871922
## 176	-1.277403143	-1.064503536	-0.0212134564	0.006075851	0.35700139
## 177	0.100091584	-2.323073244	-0.9223134118	0.739575110	0.01392819
## 178	-0.074870485	1.018567680	0.5522152911	-0.423066645	0.96130866
## 179	-1.331289890	0.660180765	0.4157485900	2.234675859	1.19128210
## 180	0.956445276	-0.711995844	0.2963672885	-1.849387356	-0.91911456
## 181	0.668112536	-0.483726980	1.5149450845	-0.092572914	0.23182625
## 182	-0.107441789	-0.633285361	-2.2453766787	-1.421573763	-1.46512459
## 183	-0.086065500	0.632931618	-0.8738642554	-0.690793870	1.72086531
## 184	0.363605248	-1.351613193	-1.1938167248	1.010279193	-1.58361001
## 185	-0.486597243	-1.047868025	-1.6523803105	1.177548037	-1.43697614
## 186	1.749228521	-1.215976469	0.1260109858	-0.910185467	-0.17201109
## 187	0.362050999	0.471630161	0.8698077311	-0.407065099	-0.44789171
## 188	0.848093190	0.462398913	-0.0007462645	0.233549899	1.34898349
## 189	0.504602003	-1.126358448	-0.1708645071	-1.056046685	-0.49005606
## 190	-0.850938690	-1.427034172	1.2801670696	0.529879336	0.01519027
## 191	-1.899459436	-0.581858244	0.5756322712	-1.908309991	-0.23296975
## 192	-1.228103434	1.463128692	-0.6078768599	-0.353318294	0.62307685
## 193	-1.781077259	-0.588414140	-0.8354764039	-0.417422655	0.85757692
## 194	-1.105756892	0.035224760	-0.3647446666	-1.309486819	0.24876338
## 195	-0.314186981	0.375074875	-0.3779232433	-0.310969510	-1.01304313
## 196	1.475769580	-2.907878992	-0.3058641025	1.340517391	-0.83161694
## 197	0.940392014	-1.226515014	-0.0824037778	0.122832190	-0.27015858
## 198	0.216379439	1.581199302	-0.3494512059	0.435769641	0.48484953
## 199	-0.571465465	0.001570547	-0.6159588441	-0.347053371	0.71279747
##	V281	V282	V283	V284	V285
## 1	1.449991628	-0.450577928	0.880447366	-0.254939361	-1.0073083479
## 2	0.666787715	0.855117608	-0.822618218	-0.938992610	0.3506917828
## 3	0.412290275	0.376088862	-0.822270777	0.795648516	-2.0186413063
## 4	1.141012096	0.728242008	1.051896013	-0.233806627	1.8825367090
## 5	1.385240918	-0.108849612	-0.476520123	-0.879685655	0.7455114693
## 6	0.233369334	0.531829516	-1.819748318	0.595963711	-1.2409950749
## 7	0.510927070	0.185407419	-0.360982335	0.187308087	-0.0359369707
## 8	0.064624886	0.861134092	0.489290973	-0.958423414	-0.0013668295
## 9	0.470188178	0.437592893	-0.785486709	0.818885180	-0.7276250898
## 10	-1.012727665	-1.622814354	0.422115909	-2.826931814	1.9728177625
## 11	1.055449411	1.330529211	1.185554244	-0.371853408	-0.0192267462
## 12	0.659478642	1.034051580	-0.538321008	-1.511022483	0.6878417999
## 13	0.312447139	-1.007285773	-0.311331749	-0.299104835	0.7387345530
## 14	0.316348683	0.131068176	-0.548968051	-1.402647915	-1.5638377362
## 15	-0.663457564	0.056348967	-0.412086990	0.083882700	-0.3953050816
## 16	-0.552135736	-1.206860170	-1.029563268	1.067748243	-0.7536740794
## 17	-0.494567296	0.631497213	2.075154337	-1.070353760	0.4969663891
## 18	-1.199516668	-0.286256064	1.763426307	-0.123504459	-1.2476568028
## 19	0.437863191	-1.040668670	0.006912425	0.862293265	-0.4742886918
## 20	1.455065107	2.039907128	-0.042272864	0.595237230	-0.2266823524
## 21	-0.319962527	-1.326641976	-1.012203745	-0.999282641	-0.8645970149

## 22	1.370527599	-0.322155410	-0.423893063	2.715199952	-1.8809015954
## 23	0.701131678	0.824139198	-1.115742362	0.127629381	1.1420294319
## 24	-0.394306267	-0.027100888	-1.130355904	-0.534443796	-1.7272263671
## 25	0.149537897	-0.799340208	-0.759838252	1.477351172	-0.3734334547
## 26	-0.514884469	1.832437347	-0.355256356	-1.907168860	1.3352714486
## 27	2.076100746	0.220917728	-0.228913537	0.136180596	0.2733530552
## 28	-0.991731297	0.004481672	0.133314387	1.437161678	-0.3654752291
## 29	1.953694619	-0.434967226	-0.608813598	0.036833391	-0.1498108043
## 30	0.325051350	-0.729864229	-0.830160895	-1.331213238	1.0630832589
## 31	0.785728607	-0.264476186	2.107761858	-0.263787702	-0.6879083771
## 32	-1.087665670	0.481471086	-0.544607754	0.086660310	-0.0827191270
## 33	1.320703270	0.449822410	0.807803516	-1.470967044	1.9676143792
## 34	0.162782936	-0.277422371	-0.305587738	0.762874750	0.9996301224
## 35	-1.671281006	0.383237337	0.750719704	0.385611619	-1.2438050920
## 36	-0.440191417	-0.661901673	-0.457484060	-0.625816489	-1.5746425502
## 37	-0.981064746	-1.549870593	0.041015049	1.898560574	-0.1923639544
## 38	1.622295979	0.467330855	-0.850293518	1.888973233	-1.3019398197
## 39	0.913795047	-0.800578656	1.352937876	1.816244949	-0.7131923120
## 40	-0.416588387	0.874220020	0.528260788	-1.281503268	1.8714096918
## 41	1.162610029	-0.880614427	-1.181624837	0.404748483	-0.2421124576
## 42	0.101454988	0.233210144	-0.518745461	0.792205734	1.6599772192
## 43	-0.768335684	0.472568803	-0.503689573	-0.364209957	-1.9166116479
## 44	0.871930580	-1.330683405	1.141627505	0.444700870	1.1950210540
## 45	0.826167666	-0.598438576	1.165620363	0.239715838	-0.5950654770
## 46	1.005065330	-1.067200014	-0.696904661	-0.551202766	-0.6412089728
## 47	1.033768849	1.341225718	-0.318562679	1.505233693	-1.2459157667
## 48	1.260748289	-2.116892157	-1.199241177	2.310576218	0.6628608533
## 49	1.408556694	-0.237217982	-0.018042430	0.021200714	-0.9259754500
## 50	1.035381123	-2.304053443	0.598978385	2.378486053	1.9332171828
## 51	-0.482987814	-1.000442479	1.950431838	-0.261990631	1.3041317240
## 52	0.743012670	2.230398824	0.278771567	0.270550797	0.6559152762
## 53	0.487869734	-0.408348228	-2.046760762	0.990964083	-0.4956920708
## 54	0.328285354	-0.818983508	0.018476048	1.062218308	-1.7038589169
## 55	0.170129804	-1.281436929	-1.078375987	-1.049073134	-1.1354760705
## 56	0.390877224	1.026076550	-0.940465717	0.545754271	-1.0576446680
## 57	-0.650884421	-2.228480729	0.463150238	-0.074914756	1.0667219372
## 58	0.388727719	-0.366363570	-1.428292355	-1.082097780	-0.1401806400
## 59	-0.418441760	0.276780212	0.228535929	1.166955014	-0.9175290031
## 60	-1.460410347	0.593304248	0.788058889	0.360163430	-1.3801145319
## 61	0.636452244	-1.442012379	0.460954768	-0.013671653	-0.4721887762
## 62	0.163499558	-0.848191187	0.992200562	1.593744878	1.7606244497
## 63	1.923839008	-0.195761356	0.757066919	0.294962059	-1.9476949441
## 64	0.703219539	0.497408518	-0.969463863	1.231070485	-3.1353302076
## 65	0.403304734	-0.966163184	-1.603656337	0.319324868	2.1531981770
## 66	-0.645426577	-0.310858457	0.051183964	-1.405281530	0.0002851985
## 67	-0.139415685	1.112099226	-0.782461004	-0.256682089	-0.4285789982
## 68	0.409172566	1.387218659	0.615360128	-0.637062302	-0.6340188166
## 69	-0.953063067	0.028965979	0.430809258	-0.174557726	0.8840534598
## 70	-0.453750626	-1.314119592	1.540962266	0.340522001	-0.6928259897
## 71	0.443514990	1.117563775	0.186450879	1.438475353	0.3752420630
## 72	-0.441672234	-1.444145323	-0.116474437	1.680029107	0.7922501405
## 73	-1.859562860	-0.112685910	-1.226156401	0.824001169	-0.2154768964
## 74	-0.007929809	-1.397972572	0.986462251	1.105708778	1.9105794904
## 75	0.953463716	-0.368281264	0.917197338	-0.691194583	0.2401095962

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## 76 -0.273310677 0.591001953 0.423131653 -2.198452661 0.0505634301
## 77 -0.391075050 -0.319548003 -0.109935430 -0.853212614 0.6695681824
## 78 -1.245867431 -2.154084600 -0.150968050 -0.770619626 1.3773433336
## 79 -0.656516653 0.282406024 0.028331283 1.474766293 -0.0977240197
## 80 2.329514224 -0.057855033 -0.502122305 -0.003687230 0.7406584860
## 81 -0.033623810 0.434420435 0.468489738 -0.305838123 -0.9792867165
## 82 1.226858749 -0.228063219 -0.175014367 0.632705507 1.0970068310
## 83 1.820932095 -0.213389091 1.297970648 -0.152905382 0.3132818396
## 84 0.131622425 -1.236969341 -0.269698287 1.140862013 -0.5817928353
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## 89 -0.500871635 -0.158470294 0.239767999 0.123993673 -0.4728254417
## 90 1.334795191 -1.014598358 -0.721199913 -0.785225330 -1.2375596640
## 91 -0.396030320 0.997528043 0.985562941 0.419801804 -0.6924800064
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## 93 -1.481694543 0.364816040 -0.843587155 0.515045530 1.2666422590
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## 131 -1.006290972 -0.312444997 1.732812676 1.382255971 0.2050543392
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## 187	0.172677055	-0.837498499	-0.094422273	0.909539742	0.4218119457
## 188	0.603704551	0.461982345	-1.816776304	0.295555845	-0.8738486741
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## 190	0.401289964	-0.846485666	-0.484549483	0.098126617	0.3327845200
## 191	-1.773281707	-1.395934735	0.042955142	-0.430102837	-0.8747814228
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## 2	-0.364186273	0.103964923	0.396543139	-1.4192353155	0.20412373
## 3	-1.208356589	-1.462104518	0.842862084	-0.6436936105	0.15410874
## 4	-0.527897965	0.706253407	-0.306421385	-0.4912703668	-0.37131736
## 5	0.226745886	-3.155285455	-0.722367989	0.2180396931	-1.32715801
## 6	-0.434700456	0.166039708	-0.210280248	-0.1039715438	1.22275669
## 7	1.049446287	-1.209292350	-1.067191005	0.1160276292	-0.68869776
## 8	0.461760820	0.850196698	-2.243898468	-1.4647941191	-0.44769370
## 9	1.594108587	0.608839427	-1.598810175	0.6017779324	1.19357212
## 10	-0.035049869	0.435378337	0.010598953	-1.1435346626	0.19674902
## 11	-0.036522233	-1.227719951	-0.312282393	1.5240233268	-0.55824447
## 12	0.195827611	0.811126072	-0.013247072	1.5942684623	-1.16070417
## 13	-1.215283249	-0.276217054	-0.027131819	-0.1691700233	0.83125004
## 14	1.686125027	0.768765162	0.388804371	-0.2569639505	-1.07155633
## 15	-0.832785119	-0.477234565	-0.056687260	-2.0363325741	-2.05872448
## 16	-1.488998498	1.558554645	-1.514407774	0.4731868118	1.84228856
## 17	-0.394142820	-0.101731079	-0.453783020	-0.0121335681	0.60855682
## 18	-1.232093141	0.388931372	0.801144543	0.1317259039	0.24271337
## 19	0.641631125	0.124980041	0.463724940	-0.6226363617	0.18135613
## 20	-0.318850195	0.932597827	0.913465242	-0.3827082539	-1.40794809
## 21	0.165524824	0.527521880	-0.642423865	0.6659808194	1.65177456
## 22	-1.303196207	-1.948398835	1.168235809	-0.4530524838	0.70121565
## 23	0.634961702	1.503427755	-1.438776128	0.3602516349	-0.02721315
## 24	-0.679378177	-0.538512825	-0.827189586	-0.3193519395	-1.16044633
## 25	-0.621674333	-0.593131482	-0.708588041	-0.5830972360	0.04768331
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## 28	0.561563982	0.640339696	-0.141367377	-0.1374544230	0.49079421
## 29	0.151015822	-2.296281795	-1.891510849	2.9841916844	1.45504016
## 30	-1.116408815	3.000553831	-1.526473435	0.7086597917	-1.61576992
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## 36	0.008848744	0.516190720	-1.833851851	0.3941024277	0.29355736
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## 42	-1.325927048	0.935659066	0.592627345	-2.2993374272	0.25777154
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## 50	-1.277154446	0.054659789	0.324246528	-1.7410621903	-0.25587342
## 51	-1.515081078	-1.344819643	-0.701314545	-0.2529867997	-1.76209220
## 52	-1.237707025	-1.017475600	0.229374375	-0.1772807894	-2.37159943
## 53	1.444468010	0.550422316	-0.337218016	-1.6129868554	0.29804338
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## 55	0.999139918	-0.035351197	3.319255255	-0.8539167298	1.06047839
## 56	-0.514034683	0.310797307	0.107325118	0.4582430716	1.32716205
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## 58	0.300895295	2.231318495	0.979321561	-0.7929140627	-1.61723917
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## 69	2.118403144	1.239434141	-2.722458761	-0.0218464858	-0.50750334
## 70	-0.169089043	1.676641863	-0.929018426	0.1063257937	-1.50840956
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## 73	-0.537691085	1.840175786	1.146597781	-1.4657060404	0.10819635
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## 75	0.855691417	1.165387556	0.459573071	-0.4874872340	-1.39828036
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## 81	-0.396398653	-0.839450992	0.861637411	-0.4434411579	-0.23097711
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## 83	0.706861184	0.528173499	0.445617267	-0.5766736641	-1.48670027
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## 108	-0.632788212	0.490761480	1.450090810	-0.2620312881	0.74589319
## 109	1.837365080	0.391658396	-0.099783855	0.1558234832	0.53389134
## 110	0.917044196	-0.125324441	-1.886561034	-0.7688656126	-0.57418332
## 111	-2.149623074	0.838737606	-1.267887899	-0.5979061447	0.56530148
## 112	-0.197088188	0.582624535	-0.064409770	0.6979486480	0.32996885
## 113	0.401566181	-0.510965368	0.066297316	0.2037337251	-0.48507373
## 114	1.380993720	0.101734175	0.518123146	-0.4755234114	-0.74122570
## 115	2.135069085	-1.137411814	-1.073301349	0.2556100244	-1.34148019
## 116	-1.034692622	0.640299889	-0.644435581	1.2046037062	-1.40315487
## 117	2.118962822	-0.182391161	-1.408518809	1.7678075066	0.60582939
## 118	-0.795468743	-2.081698759	-0.716258487	-0.3181138382	0.57331167
## 119	-1.047574940	0.877708755	-0.572063564	-0.2972185058	-0.02303678
## 120	-0.741934689	0.639127008	0.694603861	0.7388926321	1.50146002
## 121	0.479019085	-0.735352653	0.149064721	-0.0158049344	0.70256738
## 122	-1.078327073	0.013685413	0.210339482	-2.0215979384	0.34742897
## 123	0.042110526	-0.801524188	0.537402820	0.3774720362	0.10674455
## 124	0.944322690	1.309203207	-0.937256001	-1.0597626404	0.29337829
## 125	0.387938018	-0.983468631	-0.094744971	-1.0245207971	-0.67741395
## 126	0.185223224	0.148025671	-0.517404244	-0.4316521463	-0.22412701
## 127	0.144974104	-1.205227758	-0.806932333	-0.3365720272	0.21399093
## 128	-0.140964699	-1.207798848	-1.450034157	-0.9986436222	0.55653854
## 129	-0.185129186	0.948223766	-0.206684740	0.8774070221	0.64026487
## 130	-0.816368892	0.381928588	-1.449406161	-0.1228989583	0.82760699
## 131	1.151726537	-1.441903249	-1.277941218	-0.2436547110	-0.22096035
## 132	-1.507581326	-0.140159459	1.566471026	1.0272788991	1.10309378
## 133	-0.361972998	-1.529313486	-0.881174622	-0.7577117328	1.76668104
## 134	-0.293461623	-0.936142865	0.155148896	0.0631116404	-0.63981239
## 135	-1.957918518	-0.559552352	-0.143384353	0.2347721292	-1.46180612
## 136	-0.438524380	1.184670840	-1.216462891	-0.5409841401	2.16405909
## 137	-2.161856703	-1.161714815	-1.174958256	1.9691110328	0.46900477
## 138	0.945753633	-0.376432916	2.046736684	-0.9960339205	-0.33118387
## 139	-0.976375123	0.556669481	0.301343853	0.5090374057	-2.85921396
## 140	0.918173557	-1.542835819	-0.893576725	-0.8493077476	-0.08354485
## 141	0.068215724	0.610137453	0.472947766	1.0151425995	0.85611225
## 142	-0.362463571	0.834479706	0.311636502	1.6631528012	1.16231158
## 143	2.935705698	0.366919431	-1.143273839	0.1263683664	0.92238597
## 144	1.439809038	-1.400646425	-0.195153184	1.0966821071	-0.65521978
## 145	1.678330472	0.510103522	0.779877973	-0.5358927570	2.09928888

```

## 146 2.034110132 -0.152330255 -1.539320365 1.8088278053 -0.08778975
## 147 0.690834818 -0.308087473 -0.262216008 -0.2653883506 -0.91482898
## 148 -0.710068237 -0.560127037 0.670342667 -0.7890669297 -1.20570517
## 149 -0.295319197 0.016543758 1.465273706 -1.5761353626 -0.08851956
## 150 0.299124254 -0.936746755 2.828741684 -0.3362966458 0.15107421
## 151 -0.015742621 -0.136647799 -0.860396505 -0.0655990472 -0.29402015
## 152 1.079141651 -0.982747778 -0.401109206 1.5225210599 -0.98147302
## 153 1.077276856 0.153012648 1.422150165 0.4013242760 -0.74529990
## 154 -1.124855345 1.639603039 0.002635753 -0.0139192126 0.36095987
## 155 1.703777979 0.732360136 1.536372485 -0.7061071801 2.48645072
## 156 0.657759869 -2.136945687 0.394465139 -0.1514315036 0.74677471
## 157 -0.508355264 0.055404340 -0.512882642 -0.4742321250 0.37537288
## 158 -0.158087283 1.112813773 0.483666988 0.4264607200 -0.64112040
## 159 -0.262917504 0.751850217 0.384157486 -1.9684223672 1.98697453
## 160 -0.878444330 -0.245872820 1.526152161 0.5147499603 -0.10032570
## 161 1.211331678 -0.023528113 -0.332245883 -1.0326181187 -0.63904442
## 162 -0.162385568 -1.447836082 0.545927041 -0.7400582785 -1.57924756
## 163 0.674428874 -0.930959280 -0.245612076 1.2675517958 0.05680485
## 164 0.118846747 -0.234284447 0.711807636 -0.5713487223 2.23922454
## 165 1.118075561 -1.232814902 -0.338624438 1.3031706719 -0.90328020
## 166 -0.604982887 0.268061521 1.067388236 0.1549177324 -0.21617164
## 167 0.782402665 -1.389378731 -1.131357954 -0.0977634486 2.05417705
## 168 0.725144301 0.754921436 -1.339203337 0.0001130174 0.85435304
## 169 -0.827650372 0.632527007 0.776703164 0.0034067207 0.41355489
## 170 -0.310688161 -1.068393504 -1.385694275 1.1672495727 0.25918225
## 171 0.927944738 -0.589668850 0.008174724 0.2102297157 -0.13212107
## 172 -1.241368787 0.052489551 -0.549545901 1.7205488362 -0.44221910
## 173 0.713936266 -1.796853955 -2.420540810 -0.6011119691 0.17996272
## 174 -0.879968225 0.258738050 -0.011807027 1.1789420088 -1.05041257
## 175 -0.750867322 0.443970385 1.815215478 0.8270191475 -0.09460534
## 176 0.147348932 -0.418767592 -1.114532213 0.8901598249 -0.26137103
## 177 -1.117321911 0.372740831 0.419521041 1.7765825484 -0.12925758
## 178 0.521528322 0.933272087 0.180281684 -0.6086379777 0.16497869
## 179 1.223799210 -0.856691742 0.447258603 -0.8637245705 -0.38714213
## 180 0.675659374 0.183088150 -0.909411796 -1.9517709559 0.88400869
## 181 2.741466238 -0.340384432 0.436258107 -1.5194574215 -1.32533145
## 182 -1.023987648 -1.308672743 0.664605902 -1.7315433325 -0.95753002
## 183 -0.257724705 -0.684985327 0.391172067 -0.1044979163 -0.20740131
## 184 0.727450940 -0.394393572 0.562052383 2.7975458968 -0.10839212
## 185 0.449272488 -0.878977781 1.724455289 -0.4545282771 2.04867086
## 186 -0.560899249 0.901351762 -1.064248718 1.3118140636 0.37620845
## 187 1.061632467 -0.150141700 1.311635906 0.2355594182 0.84866044
## 188 -1.855367292 1.155048854 1.945932407 -1.8017838313 0.32330068
## 189 -0.729048680 0.435971381 -0.082679233 -0.4812118509 0.32668011
## 190 -0.116374693 0.510590115 0.976775936 0.3047785254 0.80179942
## 191 1.738929498 -0.951726728 -2.633919439 0.0065436151 1.21889984
## 192 0.761651664 1.512146433 0.758994109 1.4186059979 -0.14355958
## 193 -1.417429970 -0.661029132 -0.561569823 0.6744022831 -0.21193581
## 194 0.474479082 0.009433211 0.778077786 -0.0402529953 2.74044685
## 195 1.575156582 0.796454684 1.066890942 -0.3047237901 0.59427697
## 196 1.763813540 -0.404217651 -2.235951436 -0.5960026796 0.44029257
## 197 1.660823499 0.894609243 0.583254471 0.7797055272 -0.43651097
## 198 1.568556426 0.635648631 -0.383641510 0.6147990888 0.06099011
## 199 -0.795728738 0.875374613 0.652289906 0.0414255957 0.64076645

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##	V291	V292	V293	V294	V295
## 1	1.06558433	-0.80521122	0.016032484	-0.696138033	0.7358014884
## 2	-0.19490708	1.00818034	0.406178144	0.436684931	0.1390942075
## 3	-1.55308053	1.13904692	0.688045972	0.868253065	0.8120832102
## 4	-0.97572802	1.44057032	-0.137884306	-1.115933195	0.7942912346
## 5	-0.18659070	-0.21323645	0.119105417	2.123828632	-0.4616482699
## 6	0.87040117	0.74434201	-0.502444917	-1.000404265	1.5309060656
## 7	-1.13685915	-0.25731901	-0.809632976	0.180893845	-0.9381930601
## 8	-0.62795649	-0.09402843	0.637659329	0.404068471	1.3543891042
## 9	-0.57151569	-0.78570577	-1.317941722	0.348609940	-0.1570847317
## 10	-0.16638735	1.59754714	-1.830604887	1.021076497	0.0940251042
## 11	-1.46030179	-1.06716325	1.338187602	-0.407312838	-0.6968051264
## 12	0.25427013	0.01822593	0.530370092	0.584679174	1.2097043143
## 13	1.22705897	-0.49764185	0.258468337	-1.166887530	-0.4585735495
## 14	-0.48631718	-0.41545848	0.804031802	0.441431129	-0.4998079596
## 15	-0.36788405	-1.60104586	-1.646332907	0.825639502	-1.5357193105
## 16	-2.15906666	-1.62370978	-0.825688063	-0.962953578	0.0418338456
## 17	-0.57545977	0.55994938	-0.954387776	1.194679945	-0.4588999291
## 18	-0.25896009	-1.45347697	1.607775162	-0.900765445	-0.6720172763
## 19	0.58267297	1.09813319	0.776739136	0.410549715	-1.2670223633
## 20	0.37783077	-2.36198286	-0.190629308	0.495687242	-0.4428111620
## 21	-0.14515569	-0.42580784	-1.830345534	-0.897201965	-0.9602121661
## 22	-0.34936711	0.19247803	-0.460378162	-0.315681708	-0.7775492208
## 23	0.12893337	-1.12931256	1.317503699	-0.474366675	0.5999530305
## 24	0.15351319	0.50166740	1.197360570	0.270133244	-0.6452136486
## 25	0.66906262	0.46994542	1.726924349	-0.338694135	-0.5731562045
## 26	-0.53433206	-0.25150322	-1.169910818	-0.740385287	0.2303989634
## 27	-0.17548299	1.90971683	0.555402350	-1.610466137	0.3538730573
## 28	-0.10447898	1.02222388	-1.036053274	0.020631459	0.2257651316
## 29	1.39129054	-2.32832056	0.180051686	-1.178649596	1.8373402104
## 30	-0.55980168	1.67682253	0.714344386	-0.147634509	-1.1764928294
## 31	1.45424881	-0.07643481	-0.410052247	-0.594905163	0.1048354675
## 32	1.31838959	1.72289759	-0.069399185	-1.542041457	-0.5772137510
## 33	-1.23759089	0.40336775	-0.189370931	1.190763239	0.3793538431
## 34	1.05369378	0.21647586	-0.526656802	-0.545289192	-0.3642649138
## 35	0.80901652	-0.91473112	0.868500336	0.156101156	-1.4765427811
## 36	-0.01168431	1.36285776	0.191920220	0.659325540	0.1192807954
## 37	0.61661837	-0.07607163	-1.132457211	0.716716216	-0.6804565872
## 38	0.03594232	-1.34371826	-1.943520888	0.617577108	0.4897182868
## 39	0.13157502	-0.32218668	0.509672033	0.267567024	-0.4227620151
## 40	0.68534294	-1.32878038	-0.120986285	-0.291162772	-1.9864328757
## 41	0.08252237	0.04855515	-0.628115983	-2.113823590	-0.1557620179
## 42	0.18569598	-1.41875842	-0.564982666	0.315880446	0.3270742329
## 43	0.83387374	-0.57802955	-0.715892179	-0.692513111	-0.4002330453
## 44	-0.65914625	-0.31910339	1.190042683	0.727175267	0.5963586403
## 45	1.48790006	-0.18242789	0.290570740	2.081168485	0.1248924771
## 46	-0.02740139	1.03039811	2.804580703	0.728629578	-1.5861212849
## 47	1.22107108	-0.93629863	-1.275097650	0.993728532	0.1475100644
## 48	1.92251924	0.74219300	1.909452363	-0.338501964	1.0007335497
## 49	-0.04269765	-2.92086855	0.284361550	0.910566900	-0.9962636766
## 50	0.85646788	1.14933834	-1.148701854	0.760410576	-0.5127238325
## 51	-0.36204185	1.46302092	-2.140786651	-0.165210427	1.2165582964
## 52	-0.22301874	-0.68124268	-0.230306075	-0.477126982	0.5197876415
## 53	-0.67569680	0.08005377	1.056473384	-1.251268410	0.1975823514

## 54	0.58927109	0.28215159	0.192523588	1.414498018	-1.8572534282
## 55	0.70493474	0.55717927	1.068728130	-0.183837417	-0.3586424020
## 56	-0.57356323	1.83654505	1.260875097	0.453857428	0.1483400950
## 57	-0.61630659	-0.40825585	0.600473802	1.485644106	-1.3709952040
## 58	-0.71815172	0.38408414	1.391002158	-0.500452609	0.2515753637
## 59	-0.74175057	-0.47767869	0.906786638	0.008782664	-0.7847655673
## 60	-2.36310823	-0.48584281	0.271904114	1.195096191	0.7207670814
## 61	-0.13420154	-1.20137802	0.289968430	0.158790937	0.1169747911
## 62	0.24747245	-0.44766879	-1.052280185	0.957893114	0.4320425358
## 63	0.56250098	-0.75658684	-1.544536873	1.666528492	-0.1932821793
## 64	0.30062145	0.83801632	0.108222506	-0.626566019	-0.0120519216
## 65	-0.03327784	-0.30748352	-0.523429495	0.277077226	1.4441046013
## 66	-1.01221637	-0.18548680	-0.201147066	-0.593813649	0.7711918130
## 67	-0.45785086	-0.69813933	1.001708342	-1.143919514	1.2913483322
## 68	-1.34751507	-0.09134163	0.156818317	-0.117747737	0.6500927710
## 69	-0.74647039	-0.32778499	-0.098384894	-0.001319660	0.3116415817
## 70	2.32966527	-0.27359625	0.618284276	-1.137446902	0.2552301266
## 71	0.61163701	-0.60474823	-0.028414891	-1.648891997	-0.2778130572
## 72	-0.60093470	-1.98561111	-0.547219033	-0.076889025	0.3562093314
## 73	0.52776550	-0.13872044	0.107470915	0.052465649	-0.7447721737
## 74	-0.19175117	-0.33411752	-1.366155594	1.309341630	-0.2682568342
## 75	-0.27302675	0.72259250	1.226336028	0.519930462	-0.4416391430
## 76	0.17703871	-1.60411567	-0.068489225	1.015543346	1.3931439147
## 77	-0.61835970	-0.69664852	0.357251750	1.277812023	0.0097998664
## 78	0.35863212	-0.80565378	0.898875706	-0.007043692	-0.5903951015
## 79	0.18412495	1.07205294	0.085842783	1.346923967	-0.7422244012
## 80	-0.31425040	0.15501745	-1.026190818	1.217150347	0.1317643449
## 81	-0.38342324	-0.35487851	-0.109840327	-0.750919048	0.5422169322
## 82	-0.76319148	0.10207059	1.312659550	-0.096735170	0.4387217695
## 83	0.75052636	-1.21298338	0.740543309	2.335874643	-0.7526738769
## 84	-0.64189053	1.42687078	-0.070792505	0.139167978	1.4625531378
## 85	2.35235051	-0.12438043	-0.223897801	0.941841568	-0.6205233235
## 86	-0.21727709	0.31166888	1.919654468	-0.648819852	0.0133729106
## 87	-0.76868697	0.41360243	-0.416637075	0.375088849	-0.0125695458
## 88	0.44708170	0.71459198	-1.381938403	-0.192765387	-0.3519950071
## 89	1.02259023	1.29171539	-0.985732310	1.183068700	0.1445879339
## 90	2.06088391	1.57787219	1.537721450	2.089242510	0.0657856033
## 91	0.74075918	-0.90396320	-0.109356633	1.020682035	-0.0233816901
## 92	0.27181135	1.93162398	1.691294461	-0.677247547	-0.3399861769
## 93	0.54130326	0.27893481	-0.002255770	1.187897335	0.7022059064
## 94	1.12587785	-0.83965796	1.209234554	0.370220301	-1.5019960468
## 95	0.86065033	0.85316448	-0.097092603	0.409560997	-0.9377782658
## 96	-0.51959319	0.79895609	-1.290122053	-0.346221953	-1.1447908910
## 97	0.70146634	1.42856847	0.069334398	0.757550179	-0.7163603330
## 98	0.60832083	1.14491539	-1.251075786	-0.340796094	-0.5788233590
## 99	2.19330468	1.24781673	-1.701133626	-1.573915929	1.0183773304
## 100	-0.40733157	1.30157328	1.214051474	-1.014421962	0.2402852592
## 101	-0.15002773	-0.11587360	1.248819050	-0.930738074	0.8887794512
## 102	-0.12198512	-0.79896389	-0.087843826	0.851497273	-1.4101085614
## 103	-0.03415882	0.02266468	-1.571318194	1.138134565	0.4833027508
## 104	-0.30997111	-1.84365053	1.737098651	0.767635205	-1.1400438632
## 105	-0.23498540	0.98022210	1.229135770	1.513381249	-0.0928217863
## 106	-0.14567903	-0.35845352	1.397170424	2.524638726	0.9127666094
## 107	-0.03723588	0.72360185	-0.862237198	0.698119788	0.1546414461

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## 108 0.68178228 -1.71406091 -0.376248327 0.199675841 0.2629460119
## 109 2.07859186 0.67878045 0.315710281 -0.573936454 -0.0546077239
## 110 0.11979441 0.50541623 0.577116654 1.456954843 -1.1889447102
## 111 -1.02064763 0.02776262 -0.140361768 1.315651864 -0.7299564676
## 112 -1.55019117 1.14784279 -0.986765192 -1.440113883 -0.6584700748
## 113 -1.04525154 0.42287989 -0.959546369 2.112987515 -0.6570280999
## 114 -0.43267370 1.59521357 0.563837115 -0.372128826 -0.3513208447
## 115 0.75609674 -0.18940821 -0.368188831 -0.684000320 -0.4640177216
## 116 0.31876640 -1.69383603 -0.274812736 0.418307360 -1.0273350848
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## 135 0.536232086 -1.58067278 1.4381753367 0.034242382 -1.216319091
## 136 -0.156512193 -0.67533319 0.7710967074 -0.370570346 0.708877748
## 137 0.784524592 0.75474296 0.4841182669 0.089326148 -0.104917022
## 138 -0.335255316 0.90880839 -0.3110464275 0.231841479 -0.665985186
## 139 0.172417789 -0.48556227 -0.4779294062 0.462330479 0.897917771
## 140 1.210271402 -1.28673535 0.9497727833 0.458893170 -0.626934999
## 141 -0.201086460 0.70934161 2.7698401999 0.844113526 0.719715765
## 142 0.548020831 -0.33715290 0.7325673027 -3.053378138 1.614513709
## 143 -0.933541722 0.80560219 -0.0872008108 -0.219648988 -1.822325142
## 144 0.331784931 0.23241780 0.5564126216 -0.772771660 -0.136537138
## 145 -1.066587740 -0.38734014 0.8779618044 -0.769227791 0.858750680
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## 148 -2.076640934 0.80669320 -0.0458323801 1.873899632 -0.238817028
## 149 0.018027483 -0.89279619 0.2071294428 -0.207431493 1.115060464
## 150 -0.451938965 -2.44593464 -1.8919809360 -0.526955842 -0.465044286
## 151 0.002256341 1.79299646 -0.9579354168 0.578556428 -1.105202797
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## 154 -1.080557304 -1.03531724 -0.4204746204 0.118731149 -0.780512369
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## 156 0.532141012 0.29092369 -0.4516051877 -0.371844483 -1.882226731
## 157 -1.147418307 1.26413150 0.0589646371 0.297072810 -0.053184328
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## 165 0.383274641 1.91362516 1.4883806275 -2.603140362 0.901362413
## 166 -0.088523991 0.30389819 -1.1561587369 0.733942465 0.723193596
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## 171 2.108594172 0.60896205 0.6218413242 0.992481149 -0.628811498
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## 175 1.560430057 -0.20183363 -1.2283225997 0.368938232 3.121962513
## 176 0.721624538 -1.88952024 0.7506360038 0.951925424 0.791290563
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## 178	-1.586148487	-1.80175208	0.5552254668	0.226036578	1.559764769
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## 180	0.786233215	0.06217764	0.5067023258	0.616218036	-0.697290551
## 181	-0.063530994	-0.28306734	0.4923382159	-1.460596825	-0.487876249
## 182	-0.494181581	-0.69988669	-0.8726120432	0.916523964	-2.300856444
## 183	0.667926982	0.31940922	-0.4165979735	0.513626687	1.163115981
## 184	-0.472935559	-1.16914738	-0.3813189496	-0.780791553	1.119398273
## 185	-1.525958932	-0.33007638	0.5574335578	0.920998323	0.104884914
## 186	-0.052548143	1.74150557	-1.8188970519	0.081366713	-0.903603128
## 187	-0.693727816	2.46057869	0.1888020130	0.272041250	-0.246118540
## 188	0.499129622	0.56125536	-1.1388684462	-0.544693047	-0.843144531
## 189	-1.302016882	0.86639525	0.5859568359	1.396567624	-1.770464030
## 190	0.186617776	0.43870703	0.7445109836	-1.981550552	-2.191240170
## 191	-0.188321811	-2.42374786	-0.3618885099	0.387887758	-1.196915737
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## 193	-0.932168036	-0.04996345	-0.6600375192	-0.626883871	0.327265749
## 194	0.564597703	0.42256907	1.6332687168	-0.132288835	-0.344565415
## 195	0.751066392	-1.31340232	2.2776270020	1.884664650	0.379569258
## 196	0.273353141	0.51907402	0.3846917144	-0.243494180	0.295352446
## 197	-0.608552332	-0.03240794	2.2614457797	2.267079280	0.170432968
## 198	-0.785398265	0.81125239	-1.4056008195	-0.130226674	-0.996166899
## 199	0.836112375	0.99095540	-1.9299294461	-0.686471696	1.004392370
##	V301	V302	V303	V304	V305
## 1	-0.535740880	1.4189921994	0.018367817	-0.693031115	-0.27449190
## 2	-0.990874000	0.5733379342	1.069788281	-0.299031341	0.65069627
## 3	0.306529416	0.7295010593	-0.316835778	-1.269398213	-0.13723672
## 4	-0.004002102	1.0981619659	-0.986801556	-0.538818859	0.42434359
## 5	-0.217238604	0.1605225265	-0.720963922	0.459524281	-0.64241522
## 6	0.392578088	1.4343013802	0.513899956	-0.820978355	-1.24313420
## 7	-0.225527173	-0.8617942576	0.535043555	0.627472116	0.61520808
## 8	0.811563662	1.1788235888	0.943660563	2.295192234	0.45012053
## 9	0.072328231	-0.2374962598	-0.582786065	-0.013070466	-0.07886551
## 10	-0.902395375	-0.5583987073	-2.085419540	0.852002329	1.51184143
## 11	1.168766534	0.6894291967	0.080328964	-0.918633265	-0.64634596
## 12	0.646000817	1.2051633082	0.996179607	0.024901085	0.13430596
## 13	0.367492599	0.2456045859	-0.285118547	-0.140532586	-0.97356335
## 14	-0.301468138	-0.4631266923	-0.674904953	-0.169711168	0.60713382
## 15	-0.510689967	1.3345795741	-0.075112907	-1.111802307	-1.02780631
## 16	1.772558600	0.0034274407	1.142925071	-0.227877300	1.45339741
## 17	-0.153135781	0.0341294827	0.652061716	0.923336726	1.33657363
## 18	1.190418738	-1.6070275209	0.082170937	-0.231367595	-0.51662302
## 19	2.455398451	0.2103564456	-0.340306503	-1.087252354	0.66583652
## 20	-0.837114444	0.8929650251	-1.484659960	0.434532914	0.21627166
## 21	0.257609304	-0.4855462046	0.011487471	1.127851924	-0.13004978
## 22	-0.437627398	-1.4080066682	1.410652174	-1.384889223	-2.12474177
## 23	0.762681789	-0.2569347833	0.430284426	-0.315895597	-0.66963336
## 24	0.439507376	0.0355691090	1.171937340	-0.380054733	1.55953550
## 25	0.320100096	0.8112802266	-0.636523393	0.458314472	-0.61654682
## 26	1.515346771	1.4381765715	-0.447820855	0.966853590	-0.33254159
## 27	-0.731798974	-0.6027328760	-0.698095358	0.846012182	0.18222950
## 28	-0.614581874	-0.0055830549	-0.255353522	-1.980001330	0.36516836
## 29	0.387191165	0.9013597957	1.353243687	0.877285171	-0.48112038
## 30	-0.055041058	-0.9809860212	-0.319325094	1.433544448	-0.37998616
## 31	-0.208835342	-1.0208205470	1.511338023	-2.287526580	-0.06498099

## 32	-1.773543890	1.0350270913	-0.003116699	-0.616602446	2.09623860
## 33	-0.647205188	-0.4096738755	0.646016739	-1.121109868	1.25136291
## 34	-1.134801035	1.6564911212	0.486663895	1.439474532	-0.74831462
## 35	0.126128203	0.5338457188	1.773082995	1.360647037	0.99429081
## 36	-1.455102495	-2.2288605764	0.616202516	0.063976514	-0.27293869
## 37	0.673240954	0.1358757315	-0.651366078	0.241981176	0.72609723
## 38	-1.487001194	-2.2637238960	-0.695178876	0.363849976	-0.81018227
## 39	-1.076527419	1.9258959982	-1.816422176	-0.530557103	-0.14998596
## 40	1.258287187	0.8044058174	1.894143980	0.823256141	0.04754856
## 41	-1.389935563	-0.3969029623	-0.968030853	-1.341016674	1.07327135
## 42	-1.458816135	1.4338891147	-0.336791903	1.230270755	1.42771773
## 43	-1.170436464	0.1027610386	1.395877481	-1.775064186	-0.07879714
## 44	-0.861864667	0.4264999602	0.638484791	-0.972866500	0.38806178
## 45	0.821972072	1.6227402343	-1.380451717	0.432555604	0.06821962
## 46	-0.593794063	-0.4181661013	0.618244706	-0.156467196	0.19113125
## 47	1.670388267	-0.7691258311	0.771515717	2.454920208	0.48918808
## 48	0.114762233	-0.3443642957	-0.444899780	-2.570383897	-0.16045542
## 49	-0.909168834	-0.7645617464	0.085063122	-0.641983417	-0.62287502
## 50	-0.500935608	0.5872687234	-0.811729560	-0.667988534	-1.15415573
## 51	0.424233682	0.7929350247	-1.083557206	-0.359808201	-0.20286616
## 52	-0.624431202	0.1514355068	0.019899596	-0.161031532	-1.20072541
## 53	-0.047253819	1.3550583864	-0.789706619	1.761444789	-1.95598956
## 54	1.068785462	-0.2815030202	-0.799074354	-0.122836722	-0.06520966
## 55	0.084465339	-0.4678849437	-0.372446495	0.192190327	-0.79080883
## 56	0.317873929	-0.7060596549	0.473319595	1.342522718	0.53166819
## 57	-1.429923921	0.8511055750	0.359743791	0.907776858	-0.76194985
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## 59	0.440103290	-0.6628827654	-0.223981134	-0.088212642	-1.86805228
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## 61	1.559484475	1.0170215282	0.177211792	0.228674671	0.17739095
## 62	0.975195989	0.9201288425	0.476056102	0.325559677	-0.55809943
## 63	1.810110656	-1.6743845112	1.046911203	-0.149249723	-0.57686409
## 64	0.483973241	1.0354421883	-1.832331303	-0.777346516	-0.17817896
## 65	-0.429592722	-0.5690958408	0.891449296	0.012788065	1.69992976
## 66	-0.734060377	0.1484036717	-1.012548498	-0.881574081	1.33655812
## 67	0.417633939	-1.4208252811	2.329486058	-0.007587309	-0.54087082
## 68	0.080754880	-0.1959272743	-0.284832359	-2.040769650	-0.28858385
## 69	0.683762703	-1.9547960335	-0.925970596	-1.134310653	-0.25503727
## 70	-0.421069451	0.2240456431	-0.707774224	-1.083942779	-0.06319925
## 71	0.936401342	-1.0485854598	0.744977308	-0.313116791	-0.82376489
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## 74	0.385583573	-0.4221411516	0.698969529	-0.535818095	-1.35762517
## 75	2.637244964	-0.1568633533	-0.309800819	0.883395996	0.30379409
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## 77	-1.991559399	-0.4877276930	-1.649667323	-0.535345875	1.73299576
## 78	-1.990237572	0.2628610914	1.083101510	-0.274869569	-0.79484842
## 79	0.691107038	-0.3332771134	0.052765721	-0.088900661	0.70888710
## 80	-1.204754256	-0.2027754385	0.450140019	0.511507116	0.84624310
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## 83	0.108232176	2.2815934125	1.143897242	-0.673351860	0.03458701
## 84	1.087883549	0.4080706726	-1.298193264	-0.053306437	-0.37936286
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## 89	0.724624226	-1.0645617136	0.917044887	1.032919979	-0.42873121
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## 129	0.673155823	-0.2158759335	-0.681479496	-0.134805377	1.89615404
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## 136	-0.424880402	-0.8235698150	-1.028909637	0.704167958	-0.83991339
## 137	-1.813042823	-0.9671733796	1.177869623	-0.116082413	-0.34323054
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## 139	-1.400459612	-0.0339268182	-0.412508467	-0.455240919	0.89469016

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## 140 -0.462412934 -1.0947906457 -1.455741551 -0.447214545 1.23552197
## 141 0.382679685 -1.7260677265 0.971927428 0.363373329 -0.98359115
## 142 -1.393713534 1.3734427147 -0.129854081 1.668506058 0.21933375
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## 144 -1.817181536 0.3521640895 0.384942247 -0.124648272 0.47899151
## 145 -0.145714111 0.1224428058 -2.242773781 0.619475218 -0.24734877
## 146 -0.521057535 -0.5987704305 -1.772281427 0.168229884 1.42263194
## 147 -0.758356159 0.4764911660 0.649161537 0.426323575 -1.69753963
## 148 0.570244090 1.2163452848 -0.413397695 0.581188451 0.57529431
## 149 -0.351825287 0.6946481180 1.416021376 0.615142185 -1.10924294
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## 152 0.743067753 -0.3545004731 -1.092853904 0.209067736 1.43620182
## 153 -1.846568972 -1.5344129527 -0.594890549 -1.260509619 0.05722230
## 154 0.640332667 0.0517814994 0.848584367 -0.019987993 0.48020014
## 155 0.266350935 1.1357418925 -0.533925690 1.265260993 1.69577024
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## 159 0.693572692 -1.0887786730 -1.782261381 -0.256098791 0.30316992
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## 177 0.908035736 0.4384118523 -2.878579463 0.350870662 0.34528293
## 178 -0.302308462 -0.2741637673 -0.615966906 -0.148263661 -0.83418768
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## 182 -0.228632356 -0.0383970109 -1.512031804 -0.031682930 -1.00482799
## 183 0.085185656 0.3954450817 0.141957900 0.656486538 0.77029506
## 184 -0.738017108 -0.3256236518 -2.109353784 0.459470223 0.28870843
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## 186 0.637997934 -0.0962693334 0.563254324 -0.011620756 -0.99437336
## 187 0.135785269 1.7536274124 -1.921298244 -1.601624974 1.30934027
## 188 -0.145664335 -1.6014377743 -1.471518742 -0.521968304 -0.20704189
## 189 1.608196604 0.8520464802 -1.209857710 0.056189299 -0.65110085
## 190 0.503406241 -0.8755856589 0.743956546 0.846161098 0.17890179
## 191 0.239798106 -1.0969571842 0.834023292 1.444920858 1.91218931
## 192 -0.920188813 0.0509030618 -0.361808919 -0.292056465 0.17156170
## 193 -0.498811714 -0.1822057511 1.275147872 1.481678741 -0.33575163

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## 194	1.275130099	0.0238479201	-0.097018926	-1.062434522	1.14539360
## 195	-0.983645318	0.1055950077	-0.702176431	1.229515069	-0.87271749
## 196	0.884804123	1.3618017197	-1.916006940	0.216066211	0.49426196
## 197	0.795404594	0.7723429031	0.330134315	-0.558737321	-0.21221371
## 198	1.682565253	-0.5847453499	0.385672659	-0.619543282	0.69782135
## 199	0.236603824	2.2743937982	-0.260613032	0.074744223	-0.10491335
##	V306	V307	V308	V309	V310
## 1	0.667937813	0.41845345	2.557849957	-1.474424045	-0.217660791
## 2	0.619018554	-0.89838059	0.229824120	0.413032880	0.321709143
## 3	1.682020920	0.23169955	-1.086971878	-0.588857896	0.046206661
## 4	-1.724860704	0.70437875	-0.585678164	-0.842443914	0.577967863
## 5	-0.470968216	0.95791217	0.901541413	0.764030898	1.695345507
## 6	1.045485439	1.22199825	-2.774296587	0.923926852	-0.155999290
## 7	0.776351983	0.59957934	-0.307947033	0.329271629	0.663031885
## 8	1.177550999	0.28055066	-0.454007165	-0.414749148	-1.057598199
## 9	-1.617413099	-0.55161983	0.503567817	-0.297578112	0.101491078
## 10	-0.532874755	0.29511003	-1.926067104	1.525084041	0.032948414
## 11	-0.477812074	2.27962862	0.233755574	1.623729278	0.222969094
## 12	1.745842207	1.07881951	-0.082097883	0.268026732	-2.828164088
## 13	0.709268784	-0.01046956	-0.597877376	0.204214712	-0.494970508
## 14	-1.007921257	0.78958253	-0.426596985	0.245880755	-0.544197575
## 15	-0.812719594	0.67261926	-0.802460012	-0.414176606	0.109280257
## 16	0.462742604	0.61348428	0.939910352	-0.711781952	1.776922722
## 17	2.059580798	0.27189738	-0.831144424	2.366838938	-0.741054060
## 18	-0.704128015	0.32705809	-0.092236185	-0.839759768	-1.313577613
## 19	1.065050911	-0.60028431	0.208908837	-0.747627907	-1.410178290
## 20	-0.258896106	2.18448753	-0.220479116	0.533324133	-0.068842436
## 21	0.091814551	1.03754444	0.247394062	-2.717641584	0.284211703
## 22	-1.186608464	0.70073945	1.481803587	-1.502346108	1.705440610
## 23	-0.267617634	0.09362797	-0.354621506	0.412003560	-0.240231214
## 24	-0.236892950	-0.88290657	1.975524520	-2.238867692	0.688015752
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## 26	0.388830927	1.60774139	0.065988051	0.555286995	-1.612815496
## 27	-0.914567918	0.92422772	-0.986182936	0.206135813	-0.933325109
## 28	1.433484287	-1.01798127	0.520349280	0.032147398	0.932066852
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## 30	1.604650193	-1.16379504	-3.075430817	-0.162428918	-0.533425376
## 31	1.207160195	0.39385047	-0.222489938	-0.175644333	0.045156517
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## 33	-0.778692115	-1.10794218	0.870158415	-0.662914053	0.526534211
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## 35	-0.972536293	0.80970089	-1.073933799	0.604140515	-0.286919955
## 36	-0.281498699	-0.26856195	-0.978123707	0.786534270	0.486422406
## 37	-0.668424681	0.36461602	0.413809218	-0.700745194	1.106584502
## 38	0.728528861	-0.32292727	-1.965531973	-0.344030240	1.302593705
## 39	0.802474992	-1.31918914	-1.251369144	-2.496729837	0.926455659
## 40	1.192847723	-0.05847489	-0.872169581	-1.138457051	0.036625958
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## 46	-0.093126952	0.10594945	-2.707733244	2.591169899	-0.739890744
## 47	0.846689094	1.76015647	0.499201372	-0.801531041	1.035747659


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## 48 -0.450599900 -0.78943369 0.727358298 -0.001828495 -1.328073270
## 49 -0.774734720 0.09288050 -0.068879651 -0.363631608 0.866039149
## 50 -0.220080772 1.16487269 0.229248576 1.331679386 2.108196543
## 51 -0.354902721 -0.15442893 2.046881498 -0.272454919 1.337722175
## 52 1.784087168 -0.92836594 1.707916529 -1.559454537 -0.492084293
## 53 0.835905459 -0.86568513 0.741389089 0.936692234 0.289552622
## 54 -0.218760712 -0.51655306 1.254837566 0.017253301 1.332063935
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## 59 0.113402225 -1.05567592 -0.462589670 0.713207663 -0.389606774
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## 114 -0.251720056 0.21111543 1.175122625 -0.804426991 0.136468498
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## 136 -1.596572740 0.71624062 0.710403086 0.460944477 -0.560223184
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## 156 -0.646124576 2.15522288 -1.235190397 -0.560122487 -0.886316971
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## 170 0.052098072 1.265253412 -0.4979313070 -0.824187018 -1.12606070
## 171 -1.191625690 -0.443546992 0.4512022795 -0.151087259 -0.50925150

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## 172	0.842876451	0.731504588	-0.6547234725	0.591877008	0.43296768
## 173	-1.386992080	0.010942986	-0.1997344737	0.589614679	-2.14405355
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## 175	1.578792574	-0.463739708	0.3569862116	0.068916537	0.64087485
## 176	-0.089989543	-0.599732058	1.8395292751	1.581263663	1.47651423
## 177	0.157306832	0.760800798	0.4929162563	-0.309253309	-0.21315268
## 178	1.134724283	1.290217678	1.1692148442	-2.294436934	0.31259791
## 179	-2.822334954	-1.513711035	-0.7103347103	-0.432748242	-1.06569762
## 180	0.890013161	0.518894438	-0.8171140322	2.204645915	1.28589950
## 181	1.122375394	0.417495499	0.8335233402	-0.797142815	1.36990058
## 182	0.305175850	0.014498564	-0.6947403647	-0.156104972	-0.08468836
## 183	0.642913303	0.768665236	1.0257193115	2.475631639	-1.66106702
## 184	0.139281099	-0.021950868	-1.2425653031	0.823111652	0.70888658
## 185	-0.204118123	-0.098691472	-1.5272711816	-0.685760949	0.02440346
## 186	-0.497312225	1.216775027	1.5903696656	-0.738608372	-0.36562004
## 187	0.675152513	-0.676922817	-0.6892078702	-1.499847824	0.19720175
## 188	-0.483005591	-0.943247078	-1.8326586295	0.039343001	-1.36859275
## 189	-0.357417044	0.378693858	0.1063327600	-0.002168104	2.29428020
## 190	1.172984253	-0.086814012	1.3518739598	-0.469303358	-0.19766950
## 191	-1.243617242	-0.283088549	-1.2259210955	-0.535947538	-1.64221452
## 192	-0.088150422	-0.460593104	3.2023073955	1.211146764	-1.30667856
## 193	-0.906570832	0.688939929	0.1532909712	-1.919625503	-1.45853507
## 194	-0.587893370	0.087827617	2.2569594272	-0.530962403	1.86636942
## 195	-0.188144657	-1.496861030	2.3409378263	-1.016195416	0.05770690
## 196	-0.287738602	1.053543279	0.4856409590	1.370837508	-1.19726200
## 197	1.695952546	0.323731197	-1.1667985862	-0.050280068	-0.35930742
## 198	-0.098734553	-0.223288619	-1.8433726920	0.088187606	-0.89249224
## 199	1.606921897	-0.660468364	0.1333445825	0.233233229	-0.35362769
##	V316	V317	V318	V319	V320
## 1	0.4319615501	-0.837340010	0.031201834	-0.89799477	-0.634358204
## 2	-0.2535905414	-1.871698801	-1.176301494	3.27933285	-1.036297706
## 3	-0.1432961248	-0.970385340	-0.224279008	1.26840418	-0.105101888
## 4	1.6731686047	-0.874335127	-0.557928633	-1.10874633	0.815102767
## 5	0.6317767786	0.460518733	0.739675657	-0.87118468	-0.733206010
## 6	0.2857437328	2.006539908	0.720204756	-0.13058618	1.417716787
## 7	-1.1222371414	-0.444513416	0.493765212	-0.57590649	-1.366931217
## 8	0.1009448157	-0.223827199	0.954527519	-0.01865693	-0.761915197
## 9	0.8569781903	1.633099727	1.843208443	-0.92904113	-0.124484848
## 10	0.7282585384	-0.756715179	2.509193338	-0.17185264	0.635061386
## 11	-0.6280512844	0.897119241	0.593885479	0.96741495	-0.301782042
## 12	0.2310341213	0.111317247	0.735801594	0.05068366	0.721283147
## 13	0.0858458972	-0.061934824	-0.593033975	-0.54672865	-0.358954571
## 14	-0.6909721037	1.232135547	0.570552917	0.57232755	-0.579027324
## 15	1.1960965203	0.167423342	1.497546055	-1.05690003	0.084664642
## 16	-1.1629685757	-0.698465526	-0.978382862	1.16725071	0.929215469
## 17	-0.1008259546	-0.422644097	-0.187702283	-0.23252912	2.251355025
## 18	0.0627527373	0.190102392	0.344238459	-0.20000950	-2.379727690
## 19	1.0801983988	-1.106452628	-0.901145320	1.26401691	0.412601939
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## 21	1.1543071659	0.567260666	0.443809746	0.27962535	0.846121129
## 22	0.5140966227	0.611023037	0.675906731	-0.41231084	0.253210651
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## 24	-0.5945143124	-0.123999538	1.013975477	-1.21882918	0.564681311
## 25	0.8022504426	-0.043728491	1.202599649	-0.46837684	-0.159122448

## 26	-0.1877467269	-1.315958284	0.170792311	0.24552227	0.156952788
## 27	-1.9488651018	-0.611799236	-0.175441388	0.64064691	0.629427108
## 28	-2.6571781509	-0.134820134	0.414390821	-0.62419741	1.280367295
## 29	0.2769215536	-1.463264781	0.643373362	0.23398958	-0.863424682
## 30	-2.0723303058	-1.469410992	-0.892007061	-0.82681693	-1.150127018
## 31	1.0721529845	-0.557163182	-0.763789159	0.59404990	1.334986765
## 32	0.2130581436	0.508490980	0.820410914	-0.72202514	0.290900334
## 33	0.8581550867	0.269709940	0.804438137	1.04412840	-0.646251708
## 34	-0.9432548141	-0.885328166	-0.424225425	-1.27881900	-0.654640710
## 35	-0.7499888329	-0.532110517	-1.031231546	0.20285579	-0.226474704
## 36	-0.6454550887	-1.377389576	-1.819736523	-0.26716599	1.021177437
## 37	0.1652225845	0.692265609	0.576606355	-1.35044663	0.320247087
## 38	-1.0956419937	0.527254945	-0.421868175	0.63035984	-0.209004934
## 39	-0.8448164190	1.048758258	0.526307491	-0.23800918	-1.132522860
## 40	1.5078040641	-0.151971444	0.154678183	1.16194659	-2.281428404
## 41	0.4554622308	0.948265443	-0.250366827	-0.79797948	0.152070392
## 42	-0.2092347907	-0.099655763	1.299424183	0.65110393	-0.305942589
## 43	0.5949793054	-1.315843945	0.004368142	-2.33016768	1.374459210
## 44	0.5432454687	0.013404962	-0.491912387	1.23524693	-1.693212356
## 45	0.0631035747	0.523014203	-0.999528579	-1.24530696	-0.773079328
## 46	-0.4794443402	-0.255696345	0.768131416	-0.13156781	-0.399534707
## 47	2.0528887403	0.805344989	0.508809692	-1.93137381	1.897551799
## 48	-1.6342274859	0.201752572	-0.852888937	1.65446110	0.503697025
## 49	0.0849251692	-0.320865410	-0.857506914	-0.68627326	-1.772767303
## 50	0.2844530252	1.188164632	-0.378846619	-2.12271831	0.203542712
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## 55	-2.1826824694	0.362148254	-1.387274650	1.99990978	-0.869804562
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## 57	-1.0167205126	1.714199291	1.041272376	-0.77545351	0.346478173
## 58	-1.9729556601	-0.265197730	0.551307430	1.35292828	0.869622055
## 59	0.0160458883	0.253140191	-0.557484730	0.92214936	-0.218318477
## 60	-0.1185258266	1.228426218	0.390956069	-0.49302481	-0.017788498
## 61	-0.2824871808	0.022399459	0.773367959	-1.17084438	-0.322148811
## 62	-0.1503906582	1.173372439	-1.330299696	-0.77403269	-0.932620341
## 63	-0.7034467504	0.881715528	-1.871358471	-0.04902663	0.103264475
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## 165 0.4532993431 0.472274315 -0.624936372 0.80795573 -0.746598418
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## 177 -0.4138066360 1.867313170 -1.264764626 0.65231463 -0.142366148
## 178 -0.5054988287 -0.268896304 -1.060738395 0.23247138 -0.763859277
## 179 0.0297520271 -0.991228094 -1.528536849 -1.09043312 -0.491554830
## 180 -0.1044945288 -0.710734232 0.178502561 0.33748822 0.087527703
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## 182 -1.5020134581 0.316448326 -0.141439525 0.18939269 -0.744474404
## 183 -0.5560506060 -0.885458251 -1.200512406 0.71099001 1.038122772
## 184 -0.7065154567 -0.265963089 -0.584572652 1.82996737 -0.854905021
## 185 -0.8333496176 0.250152739 -0.759947074 0.14182883 -0.477177037
## 186 1.2053269883 1.099250045 -1.074077224 0.74529351 0.285771907
## 187 -0.5819581283 1.141979546 0.045686429 -0.36310603 -0.353681763

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## 188	-1.0761109933	-0.335092459	0.203654909	0.85468625	0.027281349
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## 190	-0.0934837775	-0.039261793	-0.238301003	-0.65025484	-1.143406690
## 191	-0.4131333386	-0.716040486	-1.561234237	-1.34013946	1.141132305
## 192	-2.8109431541	-0.539537187	0.358703166	0.08827194	-0.616586422
## 193	1.9232291143	-0.947797008	-0.018075227	0.32174681	-2.482069083
## 194	-0.4530775430	-0.652737084	-1.488615110	2.39749718	1.490233446
## 195	-2.0300295575	2.050303289	0.620810583	-0.89048292	-0.711102294
## 196	0.2546345203	1.998633772	0.161081479	-0.46546070	-0.303980629
## 197	0.1716360645	0.392817516	-0.909256457	0.26876103	0.025469324
## 198	0.6413231237	0.549866472	0.687839738	-0.52891934	0.311954984
## 199	-1.0308020555	-0.443763263	-0.305717648	0.43411267	0.056953098
##	V321	V322	V323	V324	V325
## 1	-0.678336128	-0.166953435	-2.00763770	0.587617755	-0.301655191
## 2	-1.357363084	-0.110521015	-0.37312047	-0.985033640	0.477624809
## 3	-0.007614513	0.916962926	-0.58377261	0.217182132	0.073049850
## 4	-0.409803892	2.067796466	-1.04002363	0.509468930	1.021274423
## 5	-0.440767338	0.764557697	-1.00145495	-0.740610294	-1.234255231
## 6	-0.282468413	-0.782113279	-0.69697922	-0.858922558	-1.605031493
## 7	0.496839051	-1.294498931	-0.63848171	-0.414534605	-1.209834752
## 8	0.528845137	2.080512124	0.52382115	0.279869848	-2.044654520
## 9	-1.327095140	-1.063434576	0.26848623	0.739368747	-1.781217386
## 10	-0.064880690	-0.894439056	-0.13564070	-0.099309183	-0.285951106
## 11	-0.110429695	-1.127385822	0.47542596	-1.041009519	-0.095869947
## 12	1.432913385	0.812473630	-0.04586391	0.727488229	-1.023079590
## 13	-1.620855435	0.238350037	-0.53911951	0.778179185	0.844432622
## 14	0.241502036	0.335161751	-0.81487045	0.184886050	-1.764177022
## 15	0.022797156	-1.702135584	-0.66766316	-0.122274029	0.942281162
## 16	0.468433431	-0.615755765	0.37490514	-0.035120511	-1.461524284
## 17	-0.280827220	-0.972961484	-1.22082577	0.087331438	-0.977685288
## 18	1.130841618	-1.940921408	0.56586645	1.700237241	-0.510911417
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## 21	0.534721145	-0.659383877	0.10415785	-0.012894566	-0.068260079
## 22	1.685980137	0.172650694	0.07731545	1.011340335	-1.122830370
## 23	0.112198900	1.169988983	0.52607205	2.622544028	-0.587492857
## 24	-0.586658780	-0.697565190	0.43372882	1.817692947	-0.402666438
## 25	0.412421417	0.453222969	0.28604095	0.495067441	1.087979445
## 26	-0.808463113	1.303002810	0.09068042	-2.164619479	1.308937031
## 27	-0.668854425	0.299181514	-0.84608402	-0.298882210	-0.423511701
## 28	0.590020221	1.687750835	1.58958148	0.822951197	1.688042730
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## 36	-1.254588010	-0.496775312	-0.13976815	1.204072096	0.143012071
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## 41	1.608705207	1.333109490	0.66948752	-0.252257119	0.310317454

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## 44 -1.576337333  1.201194822  0.60528699 -0.334197194 -1.578695358
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## 192 0.088167944 0.982816071 0.11259150 -1.813157904 0.043445976
## 193 0.159920271 1.704293150 0.66790274 0.952606010 2.350866228
## 194 -0.679550405 0.296301599 0.54947056 0.479871758 0.282583136
## 195 -0.671794355 0.059255647 0.77861334 -0.487342722 1.547815360
## 196 -1.434236196 -0.618175412 0.19098916 -0.169436501 -1.367945706
## 197 -2.547262779 0.164649331 -0.04508942 -0.541165334 -0.133780797
## 198 0.310700110 -0.604507720 1.02079531 1.980605518 -0.605248396
## 199 0.655328801 -0.654858153 -1.16502776 0.100824055 -0.384174659
##          V326          V327          V328          V329          V330
## 1 0.346713412 1.76280827 0.109155554 0.2864217181 -1.776691903
## 2 -0.471410832 1.21227030 0.301843357 -0.9402243364 1.770199853
## 3 0.152923040 -1.25230766 0.173026523 -0.9970109233 -1.411305561

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## 4	0.826454440	-0.52198708	0.246687067	1.6329588845	0.389147715
## 5	-0.786637659	1.03782200	1.078391315	1.6867585494	-0.778631391
## 6	0.245268920	0.54503538	-0.442216585	-0.4505199935	-1.352400459
## 7	-0.164583065	-1.19550074	0.399966036	1.8723555288	0.194485819
## 8	-0.224489207	0.42602393	0.484680846	-0.4762030624	0.204153252
## 9	-0.141059928	0.67539858	-1.228034779	0.7399427477	-0.165644398
## 10	-1.584989790	0.33803316	-0.807013279	0.8807184708	-0.914671760
## 11	1.649528181	1.44260827	0.245909669	-0.4187387533	0.220400597
## 12	-0.193568707	-0.66590893	1.298017395	0.1683505221	-1.176333462
## 13	0.151395662	0.52029414	1.491018036	1.3452276999	-0.494490428
## 14	-0.320951102	2.48384967	1.499570124	0.1450988448	-1.291564425
## 15	0.261975966	-0.21957962	-0.281766432	-0.0798817711	-0.745175823
## 16	0.263987185	0.05978830	-0.140120445	0.1566867894	-0.607208848
## 17	1.055236901	-1.62490643	-0.114831848	1.5932953201	0.709676531
## 18	0.463051681	0.93448597	-1.379898227	-0.4043469252	0.594531745
## 19	-0.380724324	-0.67423964	-1.182785685	0.5978239266	-1.256223055
## 20	1.039068078	-1.02807565	-1.278790301	-1.4470061813	0.458436857
## 21	-0.129717723	-0.51242805	2.235902258	0.6591961079	-1.360361655
## 22	0.792052979	-1.47759306	-0.998659861	-0.0382797244	0.278220420
## 23	-0.883350518	-0.75419832	-0.244973433	-1.3796889261	0.405538038
## 24	-0.067115605	0.10968813	-0.366190921	-0.0312071240	1.113004386
## 25	1.240667413	0.85498365	-0.544349197	1.2465320865	1.108007264
## 26	-0.348776930	0.25171513	-0.937223958	0.6095688399	0.112217024
## 27	-0.881550250	-0.67796139	-1.834200778	2.1196691104	0.697412820
## 28	0.002506287	0.80918590	-0.809697583	0.9772176771	-1.556231547
## 29	-0.087726816	0.94777741	0.392469691	1.2384167651	1.085504760
## 30	1.055506660	0.15974761	-1.656325696	0.7018562823	-0.484651408
## 31	0.080208251	0.13055621	-0.297708919	-0.7888565808	-0.539585899
## 32	0.631308422	1.63941376	2.037246199	0.3790242645	0.134545024
## 33	-0.706485408	-0.33959650	-1.033806051	-0.9028818798	-2.440743011
## 34	-1.261259601	-0.78712296	-0.036841287	-0.1061588716	-1.686954857
## 35	-0.301179771	-0.47331158	-0.147582408	0.5273072673	0.955048040
## 36	-1.028748467	-0.66328564	-1.883108910	-1.0219902436	0.428777588
## 37	0.185398807	-1.44604761	0.654135435	-0.5008375836	0.113383478
## 38	-0.114636450	-1.09233774	0.646279162	-0.2695295679	-1.241744685
## 39	0.971838915	1.09334013	-0.294447275	0.0189035769	0.881979486
## 40	-1.476580672	-2.08277863	0.498231882	-0.1193756927	-1.936261106
## 41	-0.265956725	0.64722972	-0.578797886	-0.2689149233	0.186714962
## 42	0.061477854	1.27767641	-0.117966710	1.1096932063	-0.942862568
## 43	0.255192843	-0.82826858	-0.548471327	-1.7178240386	0.710087445
## 44	0.530632503	0.15357547	-1.299287914	0.1119304638	-0.152624276
## 45	0.291054681	0.69649673	-0.895980773	-0.1243321001	0.431011330
## 46	-1.162189477	-1.44543917	0.155868984	0.6340473252	-0.026220672
## 47	0.410672463	-0.76939591	1.485956072	-0.5581516012	-0.848965622
## 48	2.079528162	1.17422540	0.235051909	1.2009204829	0.091717566
## 49	-0.682073877	-0.71959484	-0.061442071	0.5975447779	0.002780526
## 50	-1.144509513	-1.82183858	1.583723218	1.9003107580	-1.519982543
## 51	-2.847073218	-2.30993320	0.726255669	-1.2061435745	-1.330739793
## 52	-0.019874852	0.45197276	-1.383107248	-1.3568817684	-0.676668984
## 53	1.067375096	-0.80577450	-1.251917636	-0.1440186719	-0.098738568
## 54	-0.056799539	-0.16854741	-1.156529968	-0.0105959206	0.070387007
## 55	1.297688287	-0.31611400	-0.707076333	-0.0089869576	0.382676289
## 56	0.080170689	-0.71245517	0.436323399	0.1438965478	-0.713191449
## 57	0.705964914	-0.31032633	-1.263465372	-0.5050196269	1.172180024

## 58	0.454994564	-0.21162164	-0.676460150	0.9306427442	0.120251487
## 59	-1.203305017	-0.77047691	-1.508397558	0.0448984974	1.513548641
## 60	0.302043768	-0.23699737	-1.170342109	1.0242541136	0.319573471
## 61	0.201160551	-0.52866372	0.677885177	0.7070234842	-0.400879016
## 62	0.033701535	0.46589852	0.826895395	0.0800599084	-1.607352161
## 63	-0.040283829	1.22551462	1.443593910	-0.2554888656	-0.565841377
## 64	0.739661014	0.90554899	-0.369494825	-0.5428557320	-0.649466825
## 65	0.584553027	-0.01088492	-0.193899689	-0.0275797977	-1.253932911
## 66	-1.366564816	1.22009279	-0.089945393	-1.2108204033	0.482736434
## 67	1.537589176	-0.35692515	-0.140519773	1.1454542925	0.710352054
## 68	-0.015812645	1.16781934	0.494554704	1.1258891504	0.834091173
## 69	0.471643966	0.83262549	0.443513869	0.8225845703	-1.033790389
## 70	0.582155142	1.34041598	0.028645901	0.3533247361	-0.857628150
## 71	-1.566388058	-1.54946978	0.374633223	-0.7772707892	-0.290728296
## 72	-1.988626477	0.98417475	0.554034905	0.3516978237	0.894555607
## 73	-3.373521122	1.51989908	-1.786658236	-0.9685142010	0.611333882
## 74	-0.807356725	0.04740289	1.303617302	0.6894956934	1.113605882
## 75	0.660554767	0.70610956	-0.790045996	1.4930617518	0.302524748
## 76	-0.729917135	-0.41536308	0.554562680	-0.2106407961	-0.582920803
## 77	-1.414189521	0.64062354	-0.188264227	-0.0985123742	-0.006304650
## 78	-0.518888344	-1.23125530	-0.193421963	-0.9488623304	-1.898568735
## 79	0.244099691	-0.15049492	-0.407313999	-0.4548021142	0.243969403
## 80	0.065171836	-0.22066431	0.031323197	-0.7740288014	-0.995073937
## 81	0.083351087	-0.11310654	1.943399913	0.9487430167	1.124151307
## 82	0.291139549	-1.39994146	0.009711335	0.5072553341	-0.238649306
## 83	0.605680604	-0.50801138	0.175336417	1.4278957333	-0.421390359
## 84	-1.169716302	0.95654144	-0.378622001	1.1427708291	-0.502788577
## 85	0.491363968	1.19096220	1.474449233	-0.8707883986	-0.555726897
## 86	-1.575588547	-0.07414151	0.110978706	0.4542411464	0.352918678
## 87	-1.298073327	-0.97327550	1.274994178	-1.6333414479	-1.817642401
## 88	-0.324648955	1.26409238	0.993063109	0.0036199081	0.907881127
## 89	0.092657342	-1.54553582	0.421052493	0.9422437429	1.742294008
## 90	0.640504027	-0.26427093	1.569630237	-1.2059350329	-0.755810435
## 91	0.041505779	0.44148947	-0.184691437	0.2430098064	-0.013593352
## 92	0.642103145	-0.69161091	1.410878830	1.1921276453	-0.609833228
## 93	0.110196155	-0.61964087	0.415205001	-1.4601237352	0.329161769
## 94	0.444914306	0.66441317	-0.176375501	0.8886574998	-0.498364792
## 95	-1.342715580	1.42521841	1.687179973	-0.6266299803	0.997864735
## 96	-0.256868238	-0.56066117	-0.929064654	-1.8817873973	0.723334729
## 97	0.449593707	-0.78753391	-0.381195305	1.3042552476	1.404797911
## 98	0.050486253	0.59615734	0.167368580	0.9852312381	-0.008894458
## 99	1.413166551	-1.09548478	-2.297457824	-0.5454859785	0.398261142
## 100	1.198963995	0.06933544	-1.661416084	0.0002351217	0.992558982
## 101	0.134196719	1.65420737	-1.202672972	-0.8280419343	-0.367310240
## 102	-0.873419356	-0.12769122	-0.243345262	0.8249864577	-0.904333031
## 103	-0.465920962	-0.78153451	0.062166003	1.5178849139	-0.111491683
## 104	0.705035098	-0.15490689	-1.795530296	0.8048038396	-1.098387024
## 105	-0.354674994	0.34553973	0.159927408	0.3699701578	0.537885333
## 106	-0.072517342	-0.10866693	-0.166578514	-1.1474162569	1.297705636
## 107	-1.330966202	1.05180202	2.413905431	2.0491024181	-1.054737765
## 108	1.803614736	-0.06449034	-2.027830374	0.3236603423	1.569949554
## 109	1.416008048	1.76633029	2.009200531	1.2984550096	-2.113821730
## 110	-0.064172239	-0.63926205	-0.731672847	0.4265251136	0.626594496
## 111	1.322343058	1.27529226	0.050922193	-1.2470840477	0.055707525


```

## 112 0.429816280 0.65836512 1.043308166 -0.9463342070 -0.628638574
## 113 -0.836262899 -1.11161542 1.309807789 1.5622193628 -0.669797250
## 114 0.300663397 2.20739596 -1.949633987 -0.2143701335 -1.815867469
## 115 1.637309647 -0.25264350 0.699904117 -0.4140584682 -1.071376399
## 116 1.955824035 1.05863115 0.502700274 1.5004152498 1.581801750
## 117 -1.127124180 -0.32996393 -0.213580888 1.0127960656 -1.324170252
## 118 1.090789733 -0.57488068 -0.024216999 1.8545068724 2.496607590
## 119 -1.267501979 0.36424087 -0.923380278 0.6617376746 -0.626547296
## 120 0.410519185 0.13915040 1.133316622 1.4967409982 1.838824008
## 121 0.343142365 -0.86406961 0.366912941 -0.0730658357 0.122711372
## 122 0.996408423 0.12602329 -1.046617776 1.2267500525 -0.273695687
## 123 -0.028802547 0.33752081 -1.144863502 1.8702638789 -0.236834405
## 124 0.160002926 0.16245083 0.307868226 0.5596095069 -1.272814627
## 125 -0.052208929 1.40945942 0.663946847 -0.7368868011 -1.075054760
## 126 0.338563836 0.22980398 -0.145976204 -0.0279075995 0.751685361
## 127 1.067463045 1.12406473 -0.615388888 -0.2385289953 0.758570179
## 128 -0.117043610 1.08527520 0.739199988 2.0506426346 -0.069555611
## 129 0.722666136 0.33889515 1.336074609 -0.4976407145 0.071362376
## 130 -0.737898670 -0.37614526 -0.200192061 1.9590637813 -0.562862423
## 131 -0.200011366 1.60537316 -0.061974622 -1.5616396113 -1.858654197
## 132 1.367742845 0.78855300 -0.057603355 0.6304717810 0.122542638
## 133 -1.339053201 -1.42152072 0.886250779 0.7619121478 -0.090815077
## 134 -0.418612269 -0.93723864 -1.403558135 1.0201263114 0.928124747
## 135 0.515507591 -0.48062313 0.407219579 1.2300697000 -1.748759623
## 136 -1.004794920 1.22547177 0.143353599 1.4430048149 0.572576576
## 137 -1.799967855 -1.25735396 -0.134314106 -0.2769888020 1.653604385
## 138 -0.349506531 -0.58696434 1.093131682 0.8816644735 -0.582549721
## 139 -0.524570422 0.62249375 -1.035300266 -0.2910138138 1.084747423
## 140 1.290557602 1.56889881 0.556492882 -1.6141312893 -0.849506800
## 141 -0.790486101 0.39071951 1.200025207 0.6465194035 0.688604107
## 142 0.643725600 -0.97460696 -0.863596465 0.4808139755 2.106864158
## 143 1.972139891 -0.15037076 -1.883093117 -1.7859566674 0.701505851
## 144 -0.550575672 0.29162618 2.776555689 0.0743509427 1.277552964
## 145 1.673979681 -1.29101790 1.336672573 0.7873328104 1.952313932
## 146 0.853190610 -0.90807675 0.890320744 -0.3344267666 1.226618435
## 147 -0.042318601 -1.28277526 2.083949651 2.0029732302 -0.478695604
## 148 -0.281092605 2.03495704 -0.214689298 -0.8704275680 0.110244370
## 149 -1.809611168 0.75488856 0.098515244 0.8439174114 0.454446056
## 150 0.066402261 -0.22732053 0.981032721 -0.7882767623 -1.592521472
## 151 -1.289743790 0.17868957 -3.088111247 1.8587624958 -0.344019486
## 152 -0.782498870 0.35480999 1.202551744 1.0863275214 -1.048705798
## 153 -0.798866001 -0.67592564 -0.871164006 -0.2599859852 0.495840380
## 154 -0.109372058 -0.34289242 0.985653651 -1.0013854158 -0.383996385
## 155 1.264478346 -0.79352315 0.628938974 1.3148353606 -0.940766637
## 156 -0.754823122 -0.06231015 0.878527547 0.1232824579 -1.045433324
## 157 -0.667156438 0.48116657 -2.281311357 0.2619521887 -0.566401411
## 158 -0.396227791 -0.87433222 -0.368687582 0.2343830620 -1.178381600
## 159 -0.224372830 -0.33414676 0.530463653 -0.6385130850 -1.216161577
## 160 -0.247594027 1.94716863 -0.197169202 0.7351415496 1.866770976
## 161 2.317997972 -0.65648009 -0.816794956 0.0119448088 1.612167430
## 162 -1.776249015 -0.57622213 0.177674646 -1.0758788493 1.440131096
## 163 -0.978886958 0.04875707 -0.234092467 0.5731853133 -0.747769287
## 164 0.440135161 -1.02051920 0.765570152 -0.5750630500 0.876608867
## 165 1.718854004 0.24834920 -0.432021793 1.3549815769 0.155036083

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## 166	-0.295805077	-1.06550377	-0.386701165	-0.9990330375	0.973049735
## 167	-0.299556209	-1.61451135	1.270224264	-0.7195964746	-0.464292773
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## 169	1.464088242	-0.66635766	-1.210234305	-0.5079460391	-0.810951871
## 170	-1.925656074	0.78558567	0.138315478	-0.1446064847	-2.320137366
## 171	-0.310205094	-0.10517707	-1.691677649	0.2608169843	-0.478277834
## 172	0.180264451	-1.32756190	0.137209321	0.0268456308	-0.412525653
## 173	0.027259472	2.30546789	0.002193389	1.5675696630	1.691778181
## 174	0.578269388	-0.77765543	1.262663885	-0.9246051481	1.839756774
## 175	-0.081217241	-1.62463953	1.014730252	0.0564464206	-0.517036894
## 176	-2.153318235	0.34901729	-1.622167017	0.5521632775	0.396497370
## 177	-0.489668206	-0.37737727	0.284688346	0.9787622787	0.825036665
## 178	-0.315369935	0.68497376	1.529409589	0.4752495263	-1.754251782
## 179	-0.285129533	-1.06513836	2.534002253	1.1676406833	-0.655489864
## 180	0.188153349	0.95895975	-0.445464137	-0.7345517149	0.699799842
## 181	-0.499375756	-0.03420784	-0.301580117	0.9787076890	0.185285451
## 182	0.956335696	-1.06382456	-0.717463211	1.0401772582	-1.009385926
## 183	-0.530980117	1.38848558	0.315203926	2.3072209239	0.189794586
## 184	-0.113795768	0.16822211	-0.360811390	-0.6481313077	1.265583882
## 185	0.707473395	-0.39272366	-0.811869447	-0.6073487858	0.939019412
## 186	1.421666535	0.21041516	0.847979690	1.2261149122	-0.539869384
## 187	-0.887409259	-1.00906127	0.847368722	0.4286468231	-1.842234636
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## 189	-0.335017394	-0.52510580	-0.394398881	-0.3938763255	0.310069642
## 190	0.287283185	-0.66059030	0.957590682	-0.5718310301	0.039820122
## 191	-0.133138262	-0.81396470	0.969382466	-1.0483077221	-1.063550124
## 192	-1.373623849	-0.60646221	1.908369746	1.2173633724	-0.165851940
## 193	-0.229436618	-1.46342395	0.785817804	-0.0785843442	-1.310107264
## 194	-0.071013086	-0.94226074	0.426814410	0.4192341302	0.568461907
## 195	-1.849672545	0.45978463	-0.474906814	0.3694744449	-0.277541286
## 196	-0.486433776	1.30134300	-0.433434717	0.0040123115	-0.126547836
## 197	2.313615982	-0.81468246	-0.014250659	0.2138975379	1.561288194
## 198	-1.068741913	-0.75958915	-1.674519617	0.0267879455	0.797535205
## 199	-0.341790063	-0.19286393	0.980039151	0.3134212703	0.385978326
##	V331	V332	V333	V334	V335
## 1	-0.286432502	1.07111819	-0.182789447	1.00000876	0.465408540
## 2	0.808191670	0.27628568	0.645739236	-0.28902390	-1.200171857
## 3	0.386565269	-0.58441359	-0.106609610	-1.52855621	-1.503973647
## 4	1.196586630	1.46397478	1.164917160	-0.91644489	0.855451720
## 5	0.502159029	-2.22138634	0.597646062	-1.27038286	0.059725756
## 6	0.108379972	0.68070315	2.130995554	0.39296283	0.197489254
## 7	-1.414327578	-0.70975835	0.679622115	0.47286144	-0.424764854
## 8	-0.261598546	-0.38725419	1.189145864	0.40855473	-1.002845257
## 9	0.103856069	-1.47901238	-0.170656792	-0.54670557	1.134521783
## 10	-0.083008273	0.46453314	-0.291955348	-0.22965307	-0.936525722
## 11	1.971498396	-0.94323468	0.577463092	1.81248414	0.115170691
## 12	-0.779048969	1.61865807	0.200637428	-1.43059840	0.794110864
## 13	0.361002019	-1.11065535	0.645093574	-0.29170686	-1.755750314
## 14	0.266106879	0.22920628	-0.037478824	0.01183402	-0.475243817
## 15	0.257692090	-0.79908167	-0.343097940	-2.52413100	-0.547979203
## 16	-0.703449129	-1.30722728	-0.336367881	1.17545539	0.435620890
## 17	-2.030964258	1.08541386	-2.183536254	0.27678954	0.336903086
## 18	1.075437416	0.02819028	-0.665879702	-0.98423256	0.265188090
## 19	0.149177743	0.90019597	-0.499376523	0.38128871	1.180683931

## 20	-0.056698211	0.85757972	1.236684399	0.04788567	-0.238548513
## 21	-2.679687099	1.58088933	-1.279134751	0.48760871	0.688454634
## 22	0.774020059	-0.56795104	-1.589142499	0.56270064	0.885891634
## 23	0.089266065	-0.70272585	0.287189720	1.15733392	-0.974070311
## 24	-0.043112844	-1.90603743	1.422261889	0.14769800	0.096645696
## 25	-0.084926305	3.07573287	1.056104726	0.48604792	2.724293517
## 26	1.144706686	0.41527574	1.267813940	-0.63187555	0.493766049
## 27	0.397109607	0.95041559	0.864106257	1.06456786	0.563836837
## 28	2.114188322	1.45418129	-0.789851638	1.87467184	-1.764499480
## 29	-1.788667351	-0.80548345	-0.651862004	0.08952599	-0.626339936
## 30	-0.975311662	-0.49487426	0.522263955	1.41255001	0.751651795
## 31	0.476257397	1.18418388	-0.155458320	-1.43750766	1.277439921
## 32	0.471846908	0.33792242	-1.170823618	1.03994620	1.303171880
## 33	-1.898809785	1.78732262	0.494543572	-1.51540098	-1.949244245
## 34	-1.839241974	1.08778171	0.142133976	-0.78345473	0.409963465
## 35	-1.465667084	-0.43406342	0.133952303	1.82009201	-1.134350587
## 36	0.107646370	-1.07004329	-0.687953698	-0.64072213	0.253519057
## 37	0.523765748	0.52645805	0.399547633	0.73553811	0.106812370
## 38	-0.307845153	-1.50652163	1.199361609	0.87879984	0.171557253
## 39	-0.009701234	0.02097944	-0.328439827	-0.50879671	-0.020843597
## 40	-2.302315587	-0.11092408	0.184989469	-0.53027150	0.832419594
## 41	0.404845348	-1.95504316	0.445281827	0.82336408	0.078525939
## 42	-0.464998073	0.27157414	0.121418983	-0.18939138	-1.514298378
## 43	-0.356294318	-0.54349392	-0.629586049	0.65201508	-0.041396275
## 44	0.981566012	-1.15180170	-1.541768737	-0.02297734	-1.982444348
## 45	-1.881853679	-1.19677676	-0.075181700	0.31894755	-0.334330681
## 46	0.040208251	-0.23972525	-0.146578040	-0.85795837	-0.933446242
## 47	0.248601584	-0.25062948	-1.119203892	-0.24655345	-1.148566029
## 48	0.554560499	-1.02742283	-0.277849006	0.24025348	-1.408482712
## 49	1.245166262	0.71327247	-1.716494427	-0.35178531	-1.277085975
## 50	-1.046065910	0.60703689	-0.553684118	0.94595993	0.010396169
## 51	1.052536261	-0.87392968	-0.027703253	-1.20126555	-0.587829519
## 52	-0.077445152	0.18000505	-0.838799163	-2.12776242	-0.211111189
## 53	0.461870846	0.83343873	1.623526251	1.09564471	-2.069650704
## 54	-0.814422363	-1.18888625	0.464998983	-1.50678131	1.371217250
## 55	0.147767753	1.07949286	0.152011932	-0.63648357	-0.544204792
## 56	-0.204317986	-0.50857787	1.031855696	-0.42809655	-0.202123930
## 57	0.571178342	1.01111137	-1.613079463	0.26581231	-0.933473192
## 58	-1.006762631	-1.02620070	0.725849357	1.69757112	0.005610015
## 59	0.032068981	-0.80758515	1.962167735	-0.92400574	0.899143492
## 60	-1.175420125	-1.32948585	1.290125080	0.68258820	0.003114400
## 61	0.415176550	0.94217597	-0.114669099	-0.22002671	1.067868789
## 62	0.315339592	-1.78011538	0.945219852	-0.44725815	0.239008528
## 63	0.344745344	1.52852776	-1.077084926	-0.17117334	0.436203651
## 64	0.579035270	1.89429771	0.370006056	-0.26099192	1.808551057
## 65	-0.453069453	-1.68462318	-2.107437661	-1.19198668	-0.027966119
## 66	0.360953180	0.43718779	0.479070858	0.86329465	0.168244836
## 67	-2.278935722	-0.55354811	0.697360700	0.41990518	2.163398081
## 68	-1.692449907	1.16418797	0.173425311	-0.26699437	0.615572612
## 69	-1.083478543	-0.54518172	-0.183940503	0.13739153	0.230666217
## 70	-0.418374025	0.33753549	-0.257100704	1.42932470	-0.017804441
## 71	0.179240035	0.98677690	0.294187872	1.79290306	0.673498702
## 72	-1.055908409	0.41869711	1.625431628	0.89870157	-2.203661173
## 73	-1.266890526	-0.15849743	0.251233815	-1.40178818	-1.809526316

## 74	-0.138204263	-0.79421742	0.020098062	0.02001720	0.596576660
## 75	0.300191712	0.65891704	-2.724798769	0.53347462	1.308406277
## 76	-2.244300385	2.50564763	0.615802299	-0.07369530	-0.872098826
## 77	-0.231519038	0.80843032	0.484958103	-0.15436736	0.158865702
## 78	0.286335931	1.46092037	0.095859126	0.27566962	-0.984296506
## 79	0.806218160	-0.73101626	0.149907861	0.11529316	1.534507853
## 80	-1.641579195	-0.50757835	-0.322299723	-0.99607709	-1.164965074
## 81	-0.195692631	-1.02104485	-0.701237110	-0.79547284	-0.227333307
## 82	-1.655525600	-0.78425892	0.081284774	0.44925417	0.948269199
## 83	0.565008160	-0.85085653	0.984460672	0.07003482	0.253622368
## 84	1.775430742	-1.56721416	2.638251002	-0.61390058	-0.446906962
## 85	-0.033467246	-1.20885265	-0.916984530	2.36924736	0.688624704
## 86	0.906881685	0.25454331	-0.810571122	0.68611665	0.839583002
## 87	1.502830427	-0.22866978	-1.857303704	0.73563696	0.478525791
## 88	0.029843440	1.16795887	1.034262525	1.11916511	-0.447745463
## 89	-0.285140310	0.63531206	1.852990829	-0.43799064	-0.128812581
## 90	1.097986011	0.31559199	0.753371039	-0.98944040	0.491281994
## 91	-1.069367208	-0.49166102	0.491693847	-0.57325561	1.062928086
## 92	0.132266814	0.18022633	-0.048206019	-2.40954449	0.948042811
## 93	-0.668591669	-0.26738915	-0.093203917	-1.00455729	-1.220293610
## 94	-1.314208684	-0.48794181	-0.734593399	0.85604617	-0.171814492
## 95	0.179938669	1.10190010	1.299090720	-1.12031962	-0.577286793
## 96	-1.662417498	0.93811796	1.234709323	-0.75117413	0.289930917
## 97	-0.322387934	-1.76932517	-1.690961979	2.16498767	0.572582417
## 98	-0.822424997	1.42231532	1.329979733	-1.13662018	1.363099047
## 99	-1.700348108	1.04052828	-0.865855225	1.35259390	0.235214891
## 100	-1.152185607	2.25127424	0.104093874	-0.46731281	0.417142401
## 101	0.898979948	-0.85433312	-0.838892884	1.81816551	2.401226870
## 102	-0.138493226	1.32771512	-1.682515555	0.46979283	0.100125454
## 103	0.090066693	0.74062949	1.049583183	1.61223157	0.841157262
## 104	-1.731787670	-0.35106213	-1.749830130	-1.69630778	0.522824838
## 105	-0.474795389	0.29895701	0.145127252	-1.30815866	1.490192766
## 106	-0.414954681	-0.58347760	-1.234154896	0.83564922	0.906056546
## 107	-0.704680929	-0.48033116	-0.239655870	0.08307154	0.311887767
## 108	-1.381682525	-0.05935555	-0.607857544	-2.95692492	0.763406233
## 109	-0.045469654	-0.66493902	0.111134795	1.65916458	0.271763194
## 110	0.140204536	-1.71403440	1.370974779	0.85558478	2.362706281
## 111	1.050791028	0.22558207	-0.991687391	-0.40776564	0.831410000
## 112	-1.825817418	0.31817726	1.073384058	0.62346774	-1.771305339
## 113	0.537599582	-0.15742726	0.803059977	1.51955475	0.177459357
## 114	1.712204173	0.53923602	-0.328185529	-0.72833432	0.075808073
## 115	0.191366665	-0.67611814	0.920207394	-0.85239190	-0.922675765
## 116	-0.992165824	1.04007205	-1.372356772	0.93470995	-0.542774926
## 117	-1.709526648	1.04062323	-0.330352017	0.01734222	0.197238175
## 118	-0.399302958	1.85622659	-1.557312206	-1.71383500	0.024773027
## 119	-0.616323694	-2.13375004	1.060900173	-2.18636136	-0.634573160
## 120	-0.936356947	-3.46685666	0.225971741	0.44963090	1.874262797
## 121	1.313355322	0.16260403	-0.170804233	-0.47745665	-0.055730158
## 122	1.363097773	0.01317396	-0.729213122	0.37329290	1.778022856
## 123	0.355522646	-0.82197522	-0.102407380	0.38969030	-1.282233853
## 124	0.589207472	-0.70239972	-0.002180029	-0.05973047	-0.641271341
## 125	1.438162639	0.26598971	-0.015404817	-0.05940253	0.814871410
## 126	0.447285255	-0.31573085	1.682434492	-2.39127050	-1.002981819
## 127	-0.972204757	-0.32069598	-0.757904724	0.40484625	-1.793952028

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## 128 1.617183630 -0.12852278 0.164023762 0.53408739 -0.248999317
## 129 1.612842460 1.03002368 -1.166463063 1.01504500 1.138225024
## 130 0.606229146 -1.24986304 -0.174406898 -0.21045495 -0.458364670
## 131 0.276246849 -0.40708123 0.865700217 -0.45776598 0.464889971
## 132 0.705352352 0.38916614 -0.017295336 1.01972768 1.978539410
## 133 -0.390531841 -0.30847635 1.392306393 0.59266059 -1.069460339
## 134 -0.772584794 0.35771178 0.389152975 -1.18447586 -0.118967030
## 135 -2.441691991 0.22260882 0.258138919 0.06678304 -0.995278636
## 136 0.539558166 -1.57402322 -0.112714776 0.58357618 -1.136444089
## 137 0.767405628 1.47489399 -1.270537611 0.71406980 -0.517961852
## 138 0.802939871 0.30087699 0.087408975 1.52677562 0.015659564
## 139 2.153341396 0.52480905 2.764936994 0.51094451 0.033366287
## 140 -0.091139290 -0.06997276 0.515432855 -1.71280977 0.358512348
## 141 -0.082712299 0.36095674 0.782936058 -1.11015828 -0.043146458
## 142 -0.661641329 1.87346721 -1.605718158 -0.62148466 2.340283425
## 143 0.030681433 0.49201454 -0.879135082 0.97260039 0.499616348
## 144 0.784913160 -0.66051000 -2.432558493 -0.35947967 -0.868166112
## 145 0.458254382 0.18239612 1.933038129 -1.50431231 -1.039011660
## 146 -0.305595539 1.25239342 1.351672820 0.10688667 -1.224252083
## 147 -1.546776319 0.84789749 0.312000931 0.84838005 -0.144497786
## 148 0.410769029 -0.63552344 0.851211908 -0.26602263 -0.943223152
## 149 -0.236542932 0.21529458 -0.509289896 0.14041732 0.765327073
## 150 -0.180727164 0.99000312 -0.622867146 0.79503001 -0.843611306
## 151 -0.083578764 0.77279801 -0.169553520 0.30071574 -0.381804195
## 152 0.146387943 1.25885516 1.495028666 0.77938550 -0.192930678
## 153 0.031629840 0.02888798 -0.652586706 -0.77581522 -0.437046191
## 154 -0.982994044 -2.16727039 1.179421679 1.96562616 -1.683508576
## 155 -0.174637971 -0.96197650 1.900906350 2.83006969 1.715288688
## 156 -0.344213552 0.14784219 0.562088303 -0.60692185 0.781005505
## 157 -0.391877162 -1.76414111 -0.120230809 0.78434277 -0.187839017
## 158 0.559666632 -1.12129446 -0.256717736 -2.05244367 0.698537877
## 159 0.068860710 -0.64096450 0.325486249 -0.41050757 0.614341702
## 160 0.076502279 0.90669283 1.567421158 -0.04047847 -0.814240909
## 161 1.175176712 -0.32802696 1.519728136 0.14394133 -0.120261718
## 162 -1.669599081 -1.58173551 0.121146049 0.37529935 0.292597435
## 163 -0.386838862 -1.62312229 -0.622963533 -2.27486341 -1.763878310
## 164 -0.443603279 0.06343607 -0.718634967 -0.35669302 1.647247862
## 165 -0.118472631 1.51591507 -0.529600541 -1.28886296 0.393761531
## 166 -0.663279494 -0.60051506 1.187906122 -0.35806957 -0.410717678
## 167 0.462466903 1.10017026 -1.602621523 0.59142023 -0.731608510
## 168 -1.080697995 -0.44515355 0.227568489 1.79075762 -0.560488496
## 169 -0.301313613 1.40376013 -0.059206099 1.08931758 0.015134766
## 170 0.665644217 -1.25629189 1.513030863 -0.43370312 -0.972766536
## 171 0.056244151 0.07114429 -0.049783624 -1.44137850 -1.233770285
## 172 1.877758186 -0.64546564 0.543642913 0.73268810 0.261102787
## 173 0.230413078 -0.32454907 0.537703434 0.27728765 0.745132184
## 174 -0.718308351 -0.50052694 -1.636213133 0.75533177 0.974821725
## 175 2.060239774 -0.71570215 0.514490432 -1.13041226 0.488949722
## 176 -0.389969097 -2.07120948 1.816886430 1.60592795 0.271784213
## 177 0.760370528 1.02118985 -0.121650130 0.56821045 -0.740107634
## 178 -1.163182596 0.93599622 0.992005797 -0.72564910 -0.928016109
## 179 0.240831998 -0.83448127 -1.073216518 -1.19341460 0.633221918
## 180 -1.359012172 0.39284567 -1.376845680 -0.10114573 0.682769532
## 181 1.301033993 0.30944361 0.230885745 1.47659312 -0.187470953

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## 182 -0.046335161 -0.64982054 -0.478407670 1.23195010 0.945196521
## 183 -1.088279385 0.19588898 1.196091783 -1.07485310 0.056104067
## 184 0.289690190 1.02849754 1.311963688 0.24046166 0.152417417
## 185 -0.959778077 0.09612437 -1.416392172 0.41169941 -0.211237910
## 186 0.386609651 0.71010545 0.750695789 -1.00215081 0.747179640
## 187 0.662244007 -0.52147893 1.297558831 -0.86046296 -0.178477759
## 188 -0.672904350 1.19877027 0.086215798 0.58104055 -1.000094544
## 189 0.355552309 1.64419527 -0.883440774 0.18176343 0.687403890
## 190 -0.199320459 -0.70387731 1.701483098 -0.65860028 0.484820650
## 191 1.264601592 0.43435580 0.544853838 0.45695186 -0.258868326
## 192 1.016595343 -0.34345660 0.137023758 0.65791596 -0.719475335
## 193 -1.033171967 -0.13067913 0.660825757 0.45946087 0.132452221
## 194 0.758629563 0.60359096 -0.523512225 1.08018270 1.157693959
## 195 -0.575787810 0.49817830 -0.893521502 0.28304123 0.179100923
## 196 -0.809631614 -1.00540155 -0.841358529 1.78743686 0.533964711
## 197 0.583801356 0.01470344 0.313585660 -0.11386498 0.598570453
## 198 -0.658872723 0.84363150 1.349623685 0.76486057 1.587795551
## 199 0.571665400 -1.96028608 -0.272291327 0.04073046 -0.048036194
##          V336          V337          V338          V339          V340
## 1 7.930759e-01 0.176410607 -0.98955427 0.559787896 -0.737510954
## 2 -1.154836e+00 0.842865400 1.14920936 -0.534973159 0.492004019
## 3 -8.817589e-01 0.509291330 0.04248838 0.681855193 0.587861324
## 4 -1.576011e+00 0.755009202 -0.58875435 -0.712625499 0.004105108
## 5 5.404843e-01 -1.870346993 0.39062767 0.017451533 0.234778079
## 6 -3.518603e-01 1.129295618 -0.08649728 -0.214564814 -0.708837055
## 7 -2.184357e-02 -0.289669784 -1.05729437 0.716802117 0.933740858
## 8 -6.574182e-01 0.704070233 1.46619000 -0.166029487 -1.894566565
## 9 1.115264e+00 -2.070813619 -0.60725541 0.527959201 0.591651211
## 10 -1.323982e+00 0.707400769 -0.57758435 0.746868484 -0.075264441
## 11 -9.055860e-01 -0.578514908 0.13203962 -0.972489422 1.086172674
## 12 3.200130e-01 0.210967474 0.27263453 0.272112911 -0.736415911
## 13 1.902937e+00 -0.039597007 -0.74101539 -0.762934623 -0.276800447
## 14 8.678956e-01 -2.597314251 -0.40649525 1.362058958 -1.018850866
## 15 -1.168893e-01 1.391618369 1.29301526 -1.800310188 2.897212620
## 16 6.943143e-01 -0.704405807 1.15141271 0.609792350 -0.799820917
## 17 -3.254487e+00 1.317968143 -0.99449877 0.762423332 0.172738184
## 18 -9.416634e-01 0.161881433 -1.48392409 0.841884827 0.290741567
## 19 3.190676e-01 0.388613954 0.14777430 -0.603229350 -1.090325478
## 20 1.422478e+00 -0.198135658 -2.09459993 -0.338816368 -0.987205427
## 21 -1.676305e+00 0.136111255 0.44516964 -1.084466004 0.864334413
## 22 1.497951e+00 -0.042050243 0.98258362 0.837810173 0.911355308
## 23 5.818138e-02 -1.637167641 -0.58618414 0.832238015 0.780850892
## 24 1.308012e+00 -0.798334267 1.11196082 0.360671361 -0.686972264
## 25 1.393934e+00 -1.417133409 -0.46675162 -0.047126750 3.674631326
## 26 1.391221e-01 -0.173488591 1.02044261 -0.349275871 -0.021061636
## 27 7.857651e-01 1.213043333 -0.82712256 2.091392591 1.117629375
## 28 -1.559708e+00 2.086288918 1.28215931 0.501193228 1.505537607
## 29 1.003207e+00 -0.064929007 1.40400774 -0.864628048 -0.062443406
## 30 1.487019e+00 0.303896803 -0.24626842 -0.522436215 0.386949179
## 31 -1.036032e+00 0.340936858 0.17187862 -0.185250752 -0.067296482
## 32 -5.171836e-01 -0.990347649 0.12677609 -1.359734872 -0.659064418
## 33 8.732557e-01 -0.161095305 -1.29947260 0.269026465 -1.920321613
## 34 -1.126698e+00 0.541919449 -0.88810149 -0.152737969 -1.834617958
## 35 -1.195366e+00 -0.005005653 -2.42843564 -0.882893826 1.916740272

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## 36	-3.967426e-01	1.538772397	-0.92514501	0.206472187	0.398626180
## 37	1.463531e+00	1.232752570	-0.88430855	1.676118959	0.426059087
## 38	-4.799354e-01	0.485690715	0.34240852	0.002865472	-0.949392578
## 39	7.817095e-01	-2.281780140	-0.37597624	0.299237709	-0.403868343
## 40	6.050709e-01	0.531295904	-0.35075794	-0.625405536	0.721132590
## 41	-4.740575e-01	-1.348952480	-0.07224261	0.926264952	-0.770781546
## 42	6.162188e-01	-1.009433529	0.60351904	-0.029870612	0.101938453
## 43	-3.916185e-01	-1.382457481	0.64158230	-0.327325056	-1.702698156
## 44	5.628597e-01	1.540052630	0.83752696	0.129793544	0.019593795
## 45	4.574844e-02	-0.663705772	-0.22225989	-1.584374653	0.171839151
## 46	-1.880791e-01	-1.141592078	0.30198152	-1.464694755	-1.214211240
## 47	-4.181039e-02	-0.079299513	1.58417186	0.296761464	0.436206615
## 48	-4.432672e-01	0.720682296	1.39697398	0.662930411	1.446130374
## 49	-1.059176e+00	0.182793333	-0.71865564	-1.772174305	-1.801351750
## 50	-7.899673e-05	0.322529514	-0.41400682	-0.647328000	0.525384378
## 51	1.073994e+00	0.271676744	-0.30059126	1.601382415	-0.422111032
## 52	-9.796810e-01	1.265045892	0.34576947	-1.317392889	0.675506231
## 53	5.151282e-01	0.508446984	1.51921073	1.319176503	-0.012375155
## 54	1.708563e+00	-0.360852982	0.64109606	-1.256627499	0.099980673
## 55	-1.102874e+00	-0.868169065	0.57236480	0.564861498	1.162926000
## 56	-2.593197e+00	-0.902721842	-1.90928767	0.172223764	0.544341591
## 57	-1.527684e+00	0.066498135	-0.28317330	-0.865642496	0.651545542
## 58	8.125024e-01	1.186882662	-0.03083056	-0.681540126	-0.565357211
## 59	-7.701561e-01	0.044430487	0.61260898	-1.051428293	-0.509259538
## 60	-4.537549e-01	0.265769890	0.71797466	-1.708477006	1.104779332
## 61	-5.147790e-01	-1.373755155	-0.18005473	0.025010499	-0.434313343
## 62	-3.194780e-02	0.599458352	0.33893441	1.747212090	-0.920081377
## 63	-2.867225e-01	2.462409561	0.66942250	2.272217371	1.279858914
## 64	1.372901e+00	1.357763303	0.42840923	1.320958173	0.066217518
## 65	1.648324e+00	-0.213718719	-1.02949352	-1.085871259	-1.160349500
## 66	6.952587e-01	0.193852692	-1.51536060	0.894732682	-1.013530666
## 67	-1.780910e+00	0.617779521	-1.46917047	-0.968168306	0.281813272
## 68	-2.604509e+00	-0.838659824	0.57914102	-0.439166301	-0.480291697
## 69	2.358115e-01	0.170557360	-0.66406996	0.894488966	0.180801536
## 70	3.460411e-01	0.603884895	-0.65034697	-0.347346302	-1.648539676
## 71	-1.947831e+00	-1.784846540	0.58506275	0.367835871	0.318774318
## 72	4.747904e-01	1.676166376	-0.73590904	0.133079259	0.926925710
## 73	-4.846313e-01	-0.305545299	-1.39914977	1.017406365	2.067991463
## 74	3.067443e-01	-0.312626233	-1.74051514	-1.297444022	0.313749226
## 75	-2.224021e-01	0.295164161	-1.54801393	-1.121466367	-0.006924300
## 76	-1.065998e-02	-0.013496826	0.14118307	-0.636657819	-0.637113478
## 77	2.387970e+00	1.665923862	-0.31627447	0.528766423	-1.280416697
## 78	9.067410e-01	-1.078715844	0.80325288	-1.925539241	-1.486042144
## 79	1.163080e+00	-1.327219222	0.66773827	0.259374290	-0.700190226
## 80	-3.131176e-01	0.673927436	0.78189644	0.040543543	-0.917974206
## 81	1.011431e+00	-1.607092395	0.03434345	-0.783332537	-0.397598546
## 82	1.837071e+00	0.000611848	-0.29989549	-2.287931234	-0.281877594
## 83	9.482729e-01	1.613833527	-0.23885184	-0.385616413	0.452409322
## 84	4.866717e-01	-1.401386597	0.78710404	-0.938763403	1.631073931
## 85	-1.334101e-02	1.652750087	-0.01016270	0.376905663	-0.037601322
## 86	1.776266e-01	-0.172649392	1.20515400	1.689318423	-0.242858602
## 87	6.669184e-01	1.129012720	-0.47534048	0.414291810	1.823677729
## 88	-4.585035e-02	-1.326693987	0.76781521	-0.812976214	0.040365300
## 89	-1.832073e-01	0.240638686	-0.96732456	0.634731733	-0.981076443

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## 90  4.447092e-01  0.373919870  0.95667384  2.485511380 -0.653744802
## 91  9.864223e-02 -1.284905848 -0.61698499 -0.905285886  0.740286089
## 92 -3.821142e-01 -0.402610065  0.85828748  0.231252196  0.364327607
## 93  7.205907e-01  2.243946844  0.56140090  0.679721530  0.413216245
## 94  5.936834e-01  0.013230912  0.33485567  0.960914633  2.593566021
## 95  1.047029e-02 -0.259656647 -0.56081724  0.810140439 -0.702265752
## 96 -1.496044e+00  0.212380579 -1.41948553  0.226794291 -0.100606759
## 97 -1.354961e+00  0.661969703  0.89332023  0.253724416  0.874759914
## 98  4.251735e-01 -0.042111954 -0.13432212  0.125472834  0.014423207
## 99 -7.763880e-01  1.596594532 -0.91647886  0.962482581  1.149173050
## 100 9.649406e-02  0.323997702  0.60147396 -0.457436370 -0.850965453
## 101 -3.977107e-01  1.107886486 -0.77579016  0.629044333  0.693399016
## 102 9.631789e-01  0.156804213 -0.06618617 -0.392841227 -0.035735617
## 103 5.319314e-01 -0.828501842  0.20672502 -1.237294740  1.008719469
## 104 5.516878e-01  0.313770670  1.86938218 -0.510483214  1.399984184
## 105 2.662707e-01  1.083212574 -1.16870027 -0.569140036  0.678574022
## 106 -1.383732e+00 -0.780782319 -0.27312360 -0.243855602 -0.814402353
## 107 -5.492072e-01  0.572325713  0.07797003  0.329451470  0.431982151
## 108 -2.917669e-01 -1.866450385 -0.62725810  0.048607935  2.299759498
## 109 -7.436121e-01 -0.115562946  1.45372691 -0.708954626 -0.177266960
## 110 -1.535637e+00  1.153428203  0.48335280  1.217589655  0.060617957
## 111 -1.244197e+00 -0.538119300  2.35726299  0.224346283  0.105610011
## 112 -2.096314e-01  1.356342558 -1.17480801  1.062020169 -0.942564766
## 113 3.867110e-01 -0.119717702 -0.16822052  0.590283405  1.142904527
## 114 -2.494847e-01  0.785437716  2.12668031  0.068551647  0.890143755
## 115 -1.197846e+00  1.034018617 -1.65898924  1.990925594 -0.418095214
## 116 -1.744919e-01  0.034201000 -0.23717476  1.409734965  1.323954154
## 117 -2.003756e-01  0.411403576  1.97648553  1.202018084  0.806866950
## 118 -3.307016e-01 -0.997264502  0.31418970  0.033326316  0.847773368
## 119 1.284966e+00  0.550997038 -0.10994052 -1.098395896  0.312430417
## 120 -1.481607e+00 -0.029470588 -1.15530299  0.861002818 -0.158417283
## 121 -6.273314e-01  0.433677988  0.45048759  0.692009221  1.167837718
## 122 9.774772e-01 -1.375899511 -0.16282356 -0.860498788 -1.156339254
## 123 -1.165260e+00 -1.825669348  0.91137908 -1.704244387 -1.128317383
## 124 5.027244e-01 -2.140320316 -1.78772897  1.164057568 -1.722923982
## 125 -6.318180e-01  2.043971195 -0.74975382 -0.809232688  0.065065285
## 126 -7.267499e-01 -1.562318285 -0.52957113  0.590591307 -2.290978470
## 127 1.247501e-02  1.315958689  0.48404964 -0.758501657 -0.908646608
## 128 -4.829225e-01  0.590934649 -0.55778173 -0.066475603  1.008600805
## 129 2.394812e+00 -2.019788806  1.56875312  0.628398986  0.795999553
## 130 -5.796959e-01 -0.224452829  0.87344440 -0.815252785  0.148001616
## 131 1.999715e+00 -0.656397392  1.37463524 -1.527248053  0.795535334
## 132 -1.030299e-01 -0.219321657  1.15138565 -0.318389026 -0.679963333
## 133 -2.316759e-01  0.581480091  0.34354410  1.019306573 -1.539577340
## 134 -2.766413e-01  0.243941507 -0.73138891 -0.354147055 -1.553186942
## 135 -4.161250e-01 -1.399068021  0.71588349 -0.834874043 -1.733343358
## 136 1.369641e-01 -1.800001156  0.97330915 -1.030503977  2.553031948
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## 138 -5.268487e-01  0.494448328 -1.02559130 -0.450249664  0.054304483
## 139 1.800416e+00  0.141317374 -1.71520410 -0.638887761 -0.698522802
## 140 2.084705e+00 -0.464647856 -0.15741592  0.939348341 -0.367475349
## 141 6.424339e-01 -0.846598487  1.19188370 -0.949099305  0.669316038
## 142 6.335769e-01 -0.300987510 -0.64587689 -0.447260284 -1.832296026
## 143 9.944292e-01  0.177440078  0.62140645 -0.581112561 -1.255919039

```



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## 144 8.809683e-01 -0.319201443 1.01809855 0.747472821 -0.121089522
## 145 9.726379e-01 -1.046315650 -2.37180843 -0.332658737 -0.968352786
## 146 -2.872882e-02 -0.154159694 0.06695457 -0.397270097 0.554754301
## 147 2.469480e-02 -0.210631063 -0.34937528 0.963410086 -1.910572981
## 148 -1.853707e+00 1.109063665 0.06295342 2.108342126 0.344507081
## 149 1.899503e+00 -0.415470987 -0.61031498 0.040846891 -3.675314396
## 150 -3.326728e-02 -1.105446725 0.16779530 -0.423427441 -1.376266266
## 151 -3.342595e-01 0.044612337 0.88940722 -1.199930616 0.834343966
## 152 4.365610e-01 0.998452741 -0.35628981 0.461274067 1.291253210
## 153 3.968934e-01 -0.417728293 0.70524349 0.840190922 -0.317300406
## 154 4.323877e-01 1.578241307 0.48234429 1.217856618 -0.231687266
## 155 -1.524402e+00 -1.941683446 0.55534932 1.048860137 0.775833437
## 156 -7.409136e-01 0.255844197 0.18841401 -0.832640337 0.023321840
## 157 1.313179e+00 0.662789620 2.66894464 0.969653742 1.864771277
## 158 1.404829e-01 1.456594082 1.07249827 -0.392137527 1.119660865
## 159 -1.132030e-01 -1.201406706 0.20701948 -1.078148108 -0.954288747
## 160 -6.284098e-01 0.988957459 1.57407228 0.399698354 0.742848174
## 161 3.525394e-01 0.789286471 0.42730331 -0.262057432 0.533285131
## 162 -2.808031e-01 0.650318843 -0.31346839 -0.893146373 -0.324399812
## 163 9.371246e-01 -1.325421481 -1.45217888 1.204746445 -0.641164363
## 164 1.549533e+00 0.272458111 -0.34587049 -1.054587835 -0.767951738
## 165 -4.576493e-01 0.928098134 0.81849991 -0.922946618 -0.553342309
## 166 8.121139e-02 0.638833954 0.72209629 -1.164283261 0.421248289
## 167 1.495092e+00 -0.287663016 0.36443828 -1.196256630 0.172914397
## 168 1.944868e+00 0.373055652 -0.56477015 -0.501880187 1.620648723
## 169 3.755367e-01 -1.286129410 -0.79928905 1.040869069 0.828103276
## 170 -6.573608e-01 0.400378812 -0.12455131 -0.701686886 0.682271293
## 171 -4.713843e-01 1.591346838 0.03129201 -0.325145301 -0.380782348
## 172 -1.498872e+00 0.176660437 -0.19872456 1.348774443 0.121240907
## 173 1.808428e+00 0.681027585 0.32569322 0.594909393 -0.697244202
## 174 1.231071e+00 0.123091428 1.41876962 0.591103975 -0.222743003
## 175 4.284663e-01 0.917485986 -1.76817515 -1.829153627 0.551836652
## 176 3.880428e-01 -1.536665361 -0.67038215 0.613163666 -0.430386735
## 177 -1.121571e+00 -1.250399466 0.22624314 0.481337288 0.067523506
## 178 -1.122068e+00 0.339731688 1.58051666 -0.164678746 0.062226342
## 179 -3.435997e-01 1.063190431 -1.09805922 0.331531388 -0.631017551
## 180 2.136865e+00 0.107817434 -0.13580951 -0.331037095 0.841418784
## 181 -5.198757e-01 -2.068679799 0.36118418 -0.989972947 -0.186169171
## 182 6.653346e-02 0.007327275 0.35901831 -0.749566798 -1.340931848
## 183 -2.181520e-01 -0.123511479 -0.40508608 0.784097674 0.219243067
## 184 6.890612e-02 2.549685563 2.00908889 0.744632871 -0.885352723
## 185 -1.704415e-01 0.046961301 -1.31912612 0.003198118 1.353666964
## 186 -2.232825e-01 -1.379861734 -1.98120679 -0.250722196 -0.923646838
## 187 2.719056e-02 0.803015945 0.45920756 1.635283763 -1.523296058
## 188 4.427057e-01 0.291817524 -0.33814721 0.269004894 -0.104709544
## 189 5.899725e-01 -1.467629037 -1.01346234 -0.306664864 -1.129174588
## 190 -1.198627e+00 0.479193819 1.07507413 -0.492463214 1.631931664
## 191 1.727448e-02 0.927271665 0.31535063 -0.048840193 -0.611835857
## 192 1.030729e+00 1.279670150 -0.84961622 -1.000565179 -0.350597902
## 193 -1.469756e+00 0.839508613 0.87292828 0.431567117 -0.994805426
## 194 1.235733e-01 -2.076052749 -0.85110271 -0.965658484 -1.420607123
## 195 4.806722e-02 0.747802482 0.70472336 0.271809850 0.620594887
## 196 -1.228676e-01 0.096476462 -1.08992352 -0.762976231 0.289120219
## 197 5.676458e-01 0.241940180 -0.56997728 -0.348873718 -1.626813419

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## 198	1.161891e+00	0.507054691	0.83153467	0.257954446	1.351104043
## 199	-6.961881e-02	-0.162903956	-0.49784559	1.418631658	-0.188153182
##	V341	V342	V343	V344	V345
## 1	-1.08750826	-0.273545017	-0.5039130574	0.40001587	-0.683013647
## 2	0.71492796	-0.745695094	1.3889905546	1.70327021	-1.598823656
## 3	1.64453889	-0.872601595	-0.1183150319	-1.43751394	2.076010144
## 4	-1.47487470	-0.235240020	-0.4758640384	0.10063261	1.353463629
## 5	1.21915961	-0.406952754	-2.7148363819	0.02886474	-2.058809518
## 6	-1.38215803	-1.249901553	-0.6440719592	-0.09990503	0.175317323
## 7	-0.90321685	0.306832214	1.4781393720	1.05032629	0.396953262
## 8	0.11807967	-0.304906271	1.1810095854	-0.54522893	-0.703607007
## 9	-0.29620989	-1.030478427	-1.1866499477	-0.78492029	1.176696998
## 10	-1.23962144	0.165294203	0.3715623454	-0.03267518	-1.279704125
## 11	0.40569943	-1.778669270	-1.0101936615	-0.59858154	0.006749360
## 12	-0.74826421	0.574060377	-0.0805979079	0.80717307	-1.512797695
## 13	0.09310212	-0.593067818	0.6593756853	-0.46683813	-2.273565982
## 14	-0.41426531	-0.163174185	-1.1745529215	1.25861646	-0.639315537
## 15	-1.15661648	1.399787723	-0.8753083304	0.93822218	1.073647220
## 16	-0.23219562	1.642354191	-0.2570842436	0.72960230	0.613912044
## 17	-1.03175623	0.605406966	-1.3431569326	-0.33219413	2.685385908
## 18	0.30883668	0.664803990	0.1007805285	-1.08182345	1.066890919
## 19	0.11146092	2.120652021	0.5704782359	-0.24051330	0.393635096
## 20	-0.61900117	-1.314757588	-0.1236638753	-1.80474424	-1.344633790
## 21	0.07958576	1.761473243	-0.7869442952	-1.59444432	-0.288040123
## 22	-0.22405566	0.665474533	-0.6966526615	-0.28167301	1.262367919
## 23	1.71415445	0.566837228	0.5355060153	-0.07900677	-1.357755213
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## 25	-0.79152515	1.161482691	-1.0670955211	0.05048349	-1.006562124
## 26	-0.43268880	-1.139364942	-0.7382641732	-0.02551612	2.491766141
## 27	0.24011077	-0.505886223	-0.9472868209	0.27811882	-0.429993316
## 28	0.33904654	1.009317723	0.7963201487	0.12697996	0.111170582
## 29	1.06436240	0.488509895	0.4564876878	0.24179324	-0.686029862
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## 31	1.41445932	0.228144762	0.9151745878	1.03941853	0.970156459
## 32	-1.60118969	2.537135147	0.0601223249	-0.18643213	0.359768021
## 33	-1.31984844	-1.388546725	-0.3092367936	-1.04861188	1.233946068
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## 35	0.40967134	0.525965628	0.3706527769	-1.75610162	1.148059824
## 36	0.30300342	-0.990633978	-0.6012528715	-0.93242208	0.740140014
## 37	-1.04953468	-0.060174910	1.1731115166	-1.01222412	-1.262436164
## 38	-0.90511814	-0.229342722	-0.5342717680	0.71119158	0.146091460
## 39	0.70287430	0.585196916	0.8574378622	1.38893407	0.661139513
## 40	-1.69368600	-0.306611323	0.5673376066	-1.42346540	-1.132920435
## 41	-0.12026367	-0.033269076	1.3429031558	0.19167168	-0.093291499
## 42	0.36951572	0.724502734	-1.7129908084	1.44823117	1.773928963
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## 45	0.64055823	-0.522714345	0.4632349184	-0.49494851	-1.989286996
## 46	0.33711128	-0.580336956	-1.7342250077	0.29840296	-0.084289066
## 47	-0.45297180	-0.712257058	-1.0181570340	0.18311901	0.230244493
## 48	-1.28122639	0.250625378	0.5493259559	-0.41535179	0.758623751
## 49	-1.08019709	0.604765698	-1.8414255395	0.47213761	-0.000769464
## 50	1.57459336	-0.058915740	-1.5228268534	-0.48504689	0.134829987
## 51	-0.46426616	-0.448863996	0.0175492896	-0.65996500	1.324669748

## 52	1.35943952	1.500922548	3.2501485636	-0.56641131	-0.005560083
## 53	-1.54778117	0.979095600	-1.4792072683	-2.83177286	-0.552168459
## 54	-1.25607771	0.005573487	-0.2476259206	0.11825602	-1.003695106
## 55	0.10896033	1.411837327	-0.8566084933	-1.31663626	-0.461112622
## 56	0.44450212	0.909172484	-1.1148343826	0.59976705	0.747766974
## 57	-0.03656591	-0.627795559	-0.0257949044	-0.50534117	0.064609976
## 58	-0.98927522	0.485935548	-1.5785594860	-1.66100496	-1.244641811
## 59	0.08910948	1.080808403	-0.5093709585	0.25100097	0.119390388
## 60	0.74296990	0.443912504	-0.2669723819	-0.99422982	0.958935558
## 61	1.53442025	0.764840574	-0.5843132311	0.41841167	-0.005951506
## 62	0.59157556	-0.100326920	-0.2160375989	-0.12903678	0.498641662
## 63	0.36555848	0.503839092	-1.3702748473	-1.35331863	-0.726101207
## 64	-0.03124752	0.129714843	-0.4992533381	-0.36376315	-0.455612820
## 65	0.82624471	-0.197029776	0.0633488491	-0.59568743	0.397753900
## 66	-0.65490544	-0.161756616	-0.3000548814	-1.73200747	-0.288667685
## 67	1.03423301	-1.415047178	0.9820544646	-0.33087483	0.617265691
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## 69	1.65202894	-1.579612683	0.9592175005	1.53230082	-0.331358502
## 70	1.16073842	1.062489007	1.9875948427	-0.91205094	0.264727771
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## 73	-1.09227560	-0.794966842	0.7156828439	-0.20246949	0.619683205
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## 75	0.43672400	-0.665882754	0.3681419931	-0.70638150	1.861862326
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## 77	0.35407257	-0.040008657	-0.9195244827	-0.48260591	-1.176745516
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## 87	1.01051395	1.910170329	0.0119352175	-0.35305618	0.019733998
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## 97	-0.15010807	0.516894108	-0.3807852957	-0.13561268	0.571890399
## 98	1.93189069	-1.242969160	-1.2274527503	0.49935802	-1.517876988
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## 105	0.70982235	0.601389178	-0.3910128637	0.59800676	-1.057615772

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## 106 0.53573743 -0.683896779 1.9273322713 -0.04396590 -0.333547894
## 107 0.25014269 0.072509803 -0.6270377124 1.03669054 2.118793941
## 108 0.60987823 0.654081143 1.3422545658 -0.50456723 -0.390281886
## 109 -0.14293771 -0.133574785 1.1441770966 0.16233371 0.247963847
## 110 -0.59835150 -2.586250695 0.6555607233 -0.18034549 -1.641657329
## 111 -1.85579321 -0.040307409 -0.5182476174 0.66354539 0.921788161
## 112 -0.83333374 0.270825346 -0.5007586107 0.24034914 -1.231233508
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## 114 0.04275604 -1.417475515 -2.1710986913 -0.01605949 0.909350371
## 115 -1.73205238 0.840058008 2.5067837977 0.50011551 0.735574223
## 116 0.13999341 0.283413259 -0.7029402100 0.08383139 -1.295220174
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## 192 0.79095733 -0.981529942 -0.0304207369 -0.39096853 -1.214867385
## 193 1.42659835 0.575851655 1.1690747441 -1.03276225 1.233496104
## 194 -0.26703534 0.992428605 1.4205924355 0.56032953 0.946008290
## 195 -0.97562783 -0.963069532 1.3547475353 -0.08947589 -0.354252192
## 196 1.57187924 0.056171659 0.2008995889 -0.84586491 0.180640833
## 197 -1.56151628 0.221136908 2.0130200916 0.15782367 1.228281936
## 198 0.25594431 -1.054680177 1.8189875048 0.29899945 -0.050535799
## 199 0.01592576 0.542341520 -2.0933958516 -0.29427449 -0.169962989
##          V346          V347          V348          V349          V350
## 1 0.2681371829 1.335861775 -1.782462005 -1.368470529 -0.835553593
## 2 0.2104001264 -0.129602295 -1.564529922 -1.170233576 0.266204722
## 3 -1.6240084514 -0.141546108 0.759766143 -0.999873787 0.013283625
## 4 -0.4515003253 -0.746112434 1.029818272 -1.281849334 0.494091400
## 5 -1.0020714464 2.679514010 1.402627493 0.688729871 0.583325213
## 6 -0.5582126082 -0.001610484 -0.724412629 1.211656580 -0.231098555
## 7 0.0611246451 -2.635207874 0.486929187 -0.031138206 -1.011431703
## 8 -3.1380885636 1.040741620 1.984548739 -0.020277121 -0.125891908
## 9 0.7170328939 1.270594664 -0.226706915 -0.208834685 0.500228687
## 10 -0.5370600431 -0.360312769 -1.015541639 -0.768329904 0.405679715
## 11 1.5431916629 -0.492979287 -0.455252831 -1.715480838 0.916729160
## 12 1.9343393056 0.031654336 1.930070246 0.024102895 0.112869932
## 13 -1.0841277777 -1.791153948 1.047856081 -1.556568138 1.125602685

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## 17	0.2155240139	-0.742935057	-0.653676366	-0.439827152	-0.780466103
## 18	-1.8179588827	1.081106313	-0.708907173	1.253540442	-0.936952554
## 19	1.0011875922	-0.427559565	-1.650634557	0.067681852	0.320018772
## 20	-0.1065003170	0.953872249	0.769393167	-0.554159127	2.257081104
## 21	-1.2535778919	0.623929267	1.209114963	0.473399392	-0.901215058
## 22	-0.0505374282	-0.295683442	-0.340885044	0.959545426	1.452590035
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## 25	0.1394389338	-0.522437313	-0.415202510	-0.449062262	0.542226519
## 26	-0.3151085656	0.416717721	-0.322686760	-0.865869564	-1.359564890
## 27	-0.2927190778	-0.287518976	-0.104509467	-0.584274141	0.145666894
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## 34	0.5496866361	-1.379041223	-0.602234424	-0.988767068	0.366439015
## 35	1.9325515023	0.298085147	0.504876259	-1.541260543	0.278378900
## 36	1.6866264421	-0.477441571	-0.212298148	-0.779362575	0.362339727
## 37	0.1397597622	0.379842342	0.866086128	1.570096214	0.021976525
## 38	-0.7277455645	-1.576741915	-2.226004298	1.136487282	0.947475260
## 39	0.2898511714	-0.877890522	0.601464798	-0.511083677	-1.558227012
## 40	0.6055539433	0.538640803	0.431542917	0.998691778	-0.732181994
## 41	1.3328690173	2.160099995	-0.145051674	0.837001910	0.687142055
## 42	0.0329672374	0.352567304	-0.539439811	0.291195186	1.097237176
## 43	0.9507890934	1.407847401	-0.225003449	1.645487772	-2.598148322
## 44	0.3275685231	-1.777126643	-0.544253859	-1.551285219	-1.004125382
## 45	0.2685640826	1.432129257	-0.085841214	-0.810898282	1.349811172
## 46	-1.0084408564	-1.993517644	0.694154994	-0.250655186	-0.269460253
## 47	0.6485868839	0.752306994	0.700352786	-1.345878400	2.211112692
## 48	-0.1659732978	1.744326044	-0.038817896	-1.276147869	0.219265098
## 49	0.1062910157	-0.817115998	-0.933397037	0.201414106	0.405828685
## 50	-0.6288381871	-0.196555450	0.751833965	-0.883144790	1.020783085
## 51	-0.9593053432	-0.437052946	-0.145335764	0.612919336	0.281187737
## 52	2.3510519148	0.727125398	0.208572948	0.083799470	1.604790660
## 53	-0.9257838572	2.079779014	1.574392516	1.050087168	-1.218656781
## 54	1.2787879353	-2.381988913	-1.662005211	0.797984244	-0.783052055
## 55	1.1137701425	-0.789719616	0.220035578	-0.086180395	-0.367141313
## 56	0.4518820470	-0.671383052	-0.588067481	2.339618465	-0.031529784
## 57	0.9089809270	-0.559842402	-0.575036669	-1.282361303	-1.440664876
## 58	-0.7298320214	0.888458308	1.367547291	-0.113326478	0.624850319
## 59	2.1953842564	0.265554929	1.250976044	-0.389717144	-0.394703837
## 60	0.2363941645	-1.192590596	-0.512857450	0.919208299	-0.256443835
## 61	0.4053171278	-1.057877510	-0.828840798	-0.037461551	1.330477907
## 62	-1.3531747025	-1.200671353	-1.590373079	-0.604822131	2.815328647
## 63	0.5939371444	1.421414567	-1.641887599	1.633082244	1.636561128
## 64	0.2320288331	1.274220253	-0.124967090	0.918154609	-0.143182223
## 65	1.6433880649	-0.888786034	1.194665928	-0.246472143	-0.415040435
## 66	0.6080886624	0.421839414	1.560434615	0.611168632	-1.058125040
## 67	0.2517054161	-0.778131482	1.297605050	-1.164739634	-1.839121414

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## 68 1.3502600225 0.119225408 -0.736136481 -0.825873908 -0.105577454
## 69 -0.7816466774 2.600985242 -1.435528209 -1.555301015 -0.342454719
## 70 -0.8219058169 -0.245856275 -1.689425804 -0.682218984 2.622221158
## 71 -0.9580747196 0.298622142 0.565586614 1.391301961 0.235535522
## 72 -1.3005470339 -0.283471932 -0.151567540 0.077479786 -2.775010738
## 73 -0.6193470087 0.296331939 1.594652500 0.053848950 -0.567296454
## 74 -0.6496034091 0.279189540 -0.220635402 -1.468275645 -0.255417655
## 75 0.9098279825 -0.825694877 -0.542151921 -0.845395750 -1.004654662
## 76 0.6031644353 -0.767985622 -2.213022494 -0.139881400 0.833718940
## 77 -1.4844593745 0.214930292 0.035994529 0.522853862 -0.255478670
## 78 1.8433452763 -1.583895838 -0.470885353 0.278079151 0.529368305
## 79 -0.8557819395 -0.799595177 -2.201477573 -0.172143964 0.688895057
## 80 0.4762248941 1.040022686 -0.227957087 1.855409530 1.812080822
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## 82 -0.0458017792 -0.340704922 1.299186138 2.918873994 0.785637580
## 83 1.8197883074 1.623759974 -1.259262553 1.230361736 -0.695789914
## 84 1.2094461815 2.462921817 0.322745068 0.410220032 -0.310797862
## 85 -0.9912494849 0.089805283 -0.329274451 0.209217724 -0.439760298
## 86 1.4621275889 -1.461618053 0.242318615 0.536390361 -1.957291578
## 87 -0.0318978152 -0.635515181 -0.315478119 0.760576810 0.701007819
## 88 1.8895816431 0.367233728 1.003509544 0.707840979 0.288630466
## 89 -2.2755266897 -0.268109330 -0.367028258 1.908199274 -0.299980878
## 90 -1.4574608220 1.021660074 1.114714214 -1.322463810 -1.443727083
## 91 -0.3109073836 1.864479178 -0.161442039 1.047038780 -1.481930969
## 92 -0.6394289181 0.068504041 1.554666901 -2.955857759 1.216964200
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## 120 0.5655688940 0.106594413 -0.754734909 -1.910904287 -1.409745252
## 121 1.0651466228 0.538754817 0.207547364 1.219490948 -0.277569658

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```

## 122 0.8047217381 0.103112858 0.970799357 0.648854718 -0.813640962
## 123 -1.0358037942 0.885923669 -0.036763160 -0.597147416 -0.743055848
## 124 -1.4729961510 -0.105235257 -0.438002412 0.720997544 1.030598392
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## 126 -0.2279362019 -1.826875194 -0.686530615 -0.531833435 0.553432344
## 127 0.5424390848 -0.671098225 0.927796609 -0.105693839 -0.674324953
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## 130 -1.7641885721 0.243683047 -2.591147543 0.179365134 -0.830266530
## 131 0.1202924444 1.387953423 -0.351429461 -3.029033480 0.040898501
## 132 0.6447920003 -0.411267151 -1.237624371 -0.776037938 0.640740256
## 133 0.4266207991 -0.969019831 2.080502323 -1.076677773 1.609520741
## 134 0.3920492025 -1.152859363 -0.058578697 1.616570070 0.469683476
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## 141 -0.4087351619 -0.528673981 0.567067344 0.698178322 -1.540298031
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## 148 0.4783543621 -0.458341963 0.372438220 1.458904873 0.742271855
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## 151 -1.7860986607 -1.337841280 1.929152674 1.672526425 -0.059515671
## 152 -0.4346423006 -0.647999786 -0.132815283 1.263537728 -0.097293324
## 153 0.5359775643 1.378119846 0.873742681 0.316321383 -1.713832371
## 154 0.7801561708 0.482226276 -0.348141498 0.834690480 0.372959746
## 155 -1.1532988907 0.763978786 0.714528550 -0.133263012 -0.563177903
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## 159 0.3953263498 1.030570296 1.050203355 0.397010642 0.518775672
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## 168 0.8372200341 -0.403599718 -0.598037124 0.370379445 -0.392079852
## 169 -0.4603329297 0.078460134 -1.183757673 0.857890828 0.234457560
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## 172 0.5519166432 -0.475056736 -0.106629220 -0.212951861 -0.676025304
## 173 0.1313644091 -1.128355955 1.278056057 0.932858606 -0.299334857
## 174 -0.4517452218 -0.933829102 -0.215168786 -0.419153375 -0.270033145
## 175 0.7888520178 -0.918901566 0.600898703 0.251074353 1.874366111

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## 176 -1.7535979622 -0.812926949 0.093124152 0.436787341 -1.506423754
## 177 -1.1464704855 -0.351413474 0.001911924 0.616514411 -0.251760070
## 178 -0.6980744650 1.018345041 0.628827676 0.090841761 0.533117202
## 179 0.7401345384 -0.272173314 0.853676937 -0.303316275 -1.215373948
## 180 -0.1013664856 0.546580932 1.312463209 1.301765850 -0.149132228
## 181 -1.9499441187 -1.065414863 -0.850750895 0.288022757 1.171479400
## 182 -0.2847770002 -0.267651073 -1.222278049 0.829366294 -0.787094428
## 183 0.0814093479 1.112941701 1.496228950 0.575873435 0.163372656
## 184 0.4510240977 -0.926198090 -1.287674709 -1.757810678 -0.455549953
## 185 0.4713122311 1.117464952 -0.429758019 -0.779149827 0.558210500
## 186 0.8375899022 -0.316001026 -0.511349909 -0.173066031 -1.075481464
## 187 -1.8996564277 -1.122192867 -0.460238715 -1.656102660 -0.632890172
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## 191 -1.1163808669 -0.641583628 0.232663793 0.110539113 -0.393678579
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## 196 0.7113733061 0.399157668 -1.118582132 0.997461181 0.203122752
## 197 0.2794045567 -0.722894640 0.111745601 -0.530510010 -0.214490859
## 198 -0.1367165141 1.157936406 1.707684518 0.381770996 1.474576614
## 199 0.4344544224 -0.085393776 1.918204200 1.635893832 -0.438851633
##          V351          V352          V353          V354          V355          V356
## 1  1.25249003 0.261429818 -0.83385763 0.236345190 -1.01734026 -0.696299671
## 2  -0.28665796 -0.320445102 -0.46629677 0.822031412 -0.51068251 -0.189273987
## 3  -0.46287029 -0.820763512 -0.20737784 0.075034151 1.96680163 0.636414730
## 4  0.43027424 -0.676275864 -0.47286688 -0.064560306 1.50390697 1.273250532
## 5  -0.12267092 1.581541047 0.69337350 -1.257987044 0.43401993 -1.174029766
## 6  0.39643945 -0.337753623 -0.89001228 -0.680310564 -0.19142242 0.190443925
## 7  -0.59644801 -0.961224318 1.11640315 2.108195416 -0.85859625 -0.860858584
## 8  -0.19126021 0.526258907 -0.39339620 -0.543103546 -2.20408742 -0.542034428
## 9  0.20124017 -1.149238573 0.22633549 -0.778587018 1.74476696 1.060361735
## 10 1.37206441 0.232779277 0.09122586 -1.335166613 2.73303724 0.651621876
## 11 0.78990329 0.057586868 0.21487900 -3.075691258 0.66105969 -0.831046054
## 12 2.09601765 -0.356101141 0.86699239 0.960235243 -0.29979449 0.349603451
## 13 2.71493585 0.061111573 -1.64176009 -0.539786579 -0.37541944 -0.198140032
## 14 0.34396594 0.773606605 0.40938080 -0.494842752 0.57879328 0.208160432
## 15 -0.13971032 0.908011634 -0.17305060 1.764616831 1.19475775 -1.128139300
## 16 0.08343931 -0.553810255 1.25053650 1.084382147 0.41439692 -0.096123765
## 17 -0.36538295 0.045267776 0.96330542 1.372393835 0.40131085 1.146412562
## 18 1.33047991 1.381851196 1.52236559 -0.156964403 0.45866583 0.358407206
## 19 1.11113404 0.658461592 -2.13804848 -0.592501843 -0.91654407 0.363554634
## 20 -1.69929550 0.616582091 1.14482266 0.859927905 0.74409104 0.181486212
## 21 -1.11451838 -2.705379364 0.08863414 -0.860882459 -0.98376453 0.190132246
## 22 -0.77456211 0.470727177 -0.52852451 0.200552875 -0.25697221 -0.649672455
## 23 0.38054564 1.186986563 0.83026090 -1.325520704 -0.80913560 0.068707673
## 24 -0.68990234 0.829250037 0.67724381 1.183032477 -0.49028724 -0.136806018
## 25 0.74038240 0.491462885 0.32575804 0.080616031 1.66101739 -0.836206501
## 26 -0.17416726 0.335539229 0.44727758 0.644444439 -0.01171441 1.192343743
## 27 1.36838036 0.703500943 0.78563621 -1.010150520 -1.96328853 -0.195637900
## 28 -0.51718467 -0.210763325 0.80360241 -1.052783472 -0.48071705 -1.019498699
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## 30	-0.29560626	0.261761931	2.47989524	-0.245751172	0.85945726	0.990913804
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## 33	0.67674471	-2.172181578	-1.67845758	0.011260572	-0.55336696	0.833959978
## 34	-1.27244921	1.005119417	0.52432623	0.382653813	0.43478401	0.252030524
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## 36	0.93639145	-1.654648066	-0.56151689	-2.658772621	0.83808603	-0.666160550
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## 41	0.78254870	0.553021056	1.35038136	0.977917904	1.09930897	-1.700244326
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## 43	0.46359400	0.689365664	-0.34423193	0.456699034	0.26870295	-0.958052318
## 44	-1.67006163	0.577590784	-1.75919514	0.093256283	0.25748491	0.107214905
## 45	-1.38611075	-1.184321053	-1.22258006	0.345493176	2.31928727	1.707136457
## 46	0.12570831	0.523329516	0.70591515	-1.043692728	1.31071808	0.358408784
## 47	2.06525824	-0.174674873	0.88950931	1.784017293	-0.70948772	0.278641798
## 48	0.15803784	-1.296072955	0.68097778	0.750281300	1.50855934	-1.340755557
## 49	0.79746452	-0.153382151	-1.29980555	-0.151176622	1.40504210	-0.435512281
## 50	0.70459154	0.140809379	0.85878148	0.839433920	-1.50820734	0.222866945
## 51	-0.13024668	0.530056831	-1.48275593	-0.265896331	0.71525252	-1.455957556
## 52	0.89087862	0.952288238	0.25600813	-1.966384945	0.32770188	0.239094431
## 53	-0.65253119	1.317797005	-2.29527253	0.670991853	0.54234925	-0.143203211
## 54	0.11950092	-0.002482045	0.57407365	-0.298199309	0.83619169	0.646043485
## 55	-0.31044894	-0.910722546	1.43370241	-1.257298234	-1.78102696	0.676137884
## 56	0.50653231	0.417392546	0.47119651	0.402254811	-0.26558885	0.294592932
## 57	-0.61406963	-0.703625592	-0.43195364	-0.474958103	0.03204382	0.095370864
## 58	0.45317582	-0.396955341	-1.17389965	-0.478375811	-0.37500260	-1.216675744
## 59	-0.14201036	0.542014943	-0.50611820	-0.585978572	-1.13386850	0.899382835
## 60	-1.13500792	-1.373506980	1.78650481	-0.109249283	-0.79653794	1.468502450
## 61	-0.02592768	0.999761115	-1.42517070	0.201024190	0.86126529	1.606223407
## 62	0.70895584	0.219093606	-2.08607810	2.999795034	-1.76714977	0.470399443
## 63	-0.49895925	-1.606598549	-0.78808625	2.238132347	-1.85295537	0.650488644
## 64	-0.60141723	0.529664298	2.03614740	-0.182446257	-1.17301887	-1.191547921
## 65	0.52368717	-0.124680139	-0.62792280	1.275158711	-0.01742258	-0.283089949
## 66	-1.19365390	-2.532999921	-0.96649935	2.264706508	-0.78439594	2.125793918
## 67	-1.46944721	1.398743149	-0.11182455	0.255024133	-0.08960771	0.979624136
## 68	-0.67301248	-0.192784812	0.61550255	-0.729779009	0.05401533	0.616457551
## 69	-1.78408195	-0.175751056	-0.61441324	0.098791025	0.62784214	0.903183321
## 70	-0.33007231	0.166176761	-2.86649890	-0.610949484	0.02625063	0.091725960
## 71	0.11067594	0.967782755	-0.07601847	-1.758977624	0.61313873	1.782764953
## 72	0.42292190	-0.247290936	-1.49810939	-0.627205980	-0.06491378	0.970080077
## 73	1.11841229	-1.014720584	-0.30422449	0.070775594	-1.08188102	-1.115769268
## 74	-0.16429939	-1.337219177	2.58710710	-0.784097350	0.62672496	0.384914979
## 75	2.56968907	-0.632474107	-0.83145720	-1.359999107	1.26312830	0.704454878
## 76	0.84771260	0.787742807	1.79416988	1.250233076	1.20970806	0.288120684
## 77	0.30018743	-0.736849287	0.49943940	-0.379063774	0.98600663	-1.224459261
## 78	-0.47293624	-0.339935511	-1.67201061	-0.298435279	0.36475256	1.465399778
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## 84 -0.93167734 -0.895095439 0.01003202 -0.741136984 -0.38312465 -0.468611550
## 85 -0.77285129 -0.510086276 -0.42566646 1.246592436 2.39731158 0.205970307
## 86 -1.47980679 2.556837217 0.59820888 -1.241116730 -0.06420153 -0.114113303
## 87 0.25003497 -0.205115644 0.68431675 -0.352962030 -0.47987258 -1.038939038
## 88 1.48455779 -0.787111865 0.71705332 -0.905177460 -1.57597251 0.766149656
## 89 -0.28687187 0.437074261 -0.34834171 1.151203499 1.02030992 -0.156444210
## 90 0.33329689 -0.613314458 -1.31809734 -0.435215970 -0.49166952 0.106282883
## 91 0.54772507 0.512178255 0.76432615 0.852782039 0.75634410 -1.179098006
## 92 -1.25363849 -1.052704165 -0.63083707 1.164901568 0.41198298 0.885859771
## 93 -1.43141775 0.790064415 1.45490007 -0.004208145 -0.16408726 0.589313980
## 94 0.73042185 -0.868101234 1.40631070 -1.254723101 -0.31700015 -0.388026057
## 95 0.02024190 0.596929317 0.49017954 1.139862648 -0.93981225 1.195169209
## 96 0.81746527 0.728144389 -0.56634820 -0.730924970 -0.75701780 -1.343614565
## 97 -1.12529972 -0.671003063 -0.86221802 0.324021670 1.94638613 -0.884413974
## 98 0.60499341 -0.767094535 0.33435951 1.988169295 0.26733405 -0.266363101
## 99 -0.94171649 -1.391636426 0.82194973 1.016472075 0.74003980 1.013135657
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## 101 -1.29314788 -0.074732786 -0.13936029 1.627277814 0.32560079 1.382855463
## 102 -0.14992124 -2.157709040 -0.03653466 -1.085404643 1.79309804 -0.933673170
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## 127 0.89513474 -0.447175820 -0.29926606 -1.706909082 -0.61517825 -2.773391203
## 128 1.29701564 0.339399407 2.21801511 1.615216177 -1.01416550 0.713015824
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## 138 -0.09278797 1.346880387 -0.75539021 -1.010061601 -0.14462997 -0.218322330
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## 145 -1.45410151 -1.048754397 0.76075976 -1.096715643 -1.01047024 0.629947296
## 146 0.88178127 -0.826107166 -0.04012039 -1.084215276 0.26642144 -1.541363803
## 147 0.51287158 0.293483031 -0.28045910 -0.701380168 0.73575957 -0.859005441
## 148 0.36247907 -0.211508645 0.53634626 -0.938877214 -0.18175795 1.720987044
## 149 -1.95161129 0.116955681 1.54284745 -0.881927224 -0.31914006 0.640239216
## 150 1.60664754 0.503850119 0.12290761 -0.058535515 3.26113505 -0.916279074
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## 153 1.07973027 0.480843876 1.38211782 0.354585549 0.30937085 -1.444071474
## 154 1.16891412 -0.673507747 -1.96150089 1.324498334 -0.69429134 0.842040176
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## 156 -0.19539927 1.028754699 -0.06973959 -0.838373626 -0.26006380 1.383005735
## 157 -0.19872072 -0.418251280 -0.23893515 -0.742959543 0.35680517 -0.161407188
## 158 -0.41279232 1.126548231 0.17445890 -1.885526438 -0.29114752 -0.119341716
## 159 0.65308788 0.138890566 -0.22390131 -1.819353474 1.26043873 -1.019593309
## 160 0.64200515 1.672591337 0.79653340 2.425080603 -0.64493660 0.536423488
## 161 0.75956634 -1.469031342 1.68034672 1.573954511 -0.06587769 -1.121412501
## 162 -1.02123729 1.762702081 0.40193925 1.344922221 0.46256074 -1.153714100
## 163 0.46287251 0.648798789 -1.28142187 -1.730220489 -1.04796943 -0.048307903
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## 166 -1.99060583 0.900535212 -1.89629966 -0.755135389 -0.96336914 0.040507985
## 167 -0.57260026 0.096344844 0.18360023 0.310846931 -0.66004478 -0.526747229
## 168 1.61011918 -0.188350530 -0.66465136 -2.329432961 0.84491183 2.777923153
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## 173 0.29356436 -0.936107140 0.71959715 -2.171551386 -1.72586330 0.166350916
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## 176 1.55420402 0.009197457 0.58784753 1.322843521 1.98346011 -1.286563589
## 177 -0.86881303 -0.081409040 -0.64839524 1.116852738 -0.22496807 -0.642560890
## 178 1.73646334 -1.297873642 2.33021601 0.675812136 0.33835359 -0.397986228
## 179 0.63979479 -0.463512135 -0.52081002 -1.555747872 -0.25719620 -0.080087298
## 180 -0.56527543 -0.065271599 -0.54671216 0.363717497 -0.76098986 -1.131526578
## 181 -0.94679242 0.786075584 0.37456988 0.533649373 -1.37162604 0.612502001
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## 183 -1.55489844 0.587995178 -0.71697479 1.365861977 0.29583424 -0.383181107
## 184 0.21818395 -0.081340240 1.23589533 -0.525165559 -0.56677677 -0.510040743
## 185 0.94292576 0.939204758 -0.40646140 -1.763093697 0.58207537 -0.212413400
## 186 -2.10614527 0.901103186 0.01129169 -1.814058505 0.09557449 -0.898855944
## 187 0.25779933 -0.553666270 1.23903205 -0.894599731 -0.35092485 1.962257879
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## 191 -0.08722252 0.315350330 0.20235277 -1.299776910 1.23532080 -1.379608153

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## 192 1.69678722 -0.531999594 -0.87297548 -1.897859984 0.13461684 0.002889127
## 193 -0.92250319 0.797255246 0.30133072 -0.269494503 -1.49796118 -1.863450301
## 194 -0.13184540 0.138134564 -1.23832495 -0.606802518 0.33346069 -0.341132203
## 195 -2.65288927 1.106347253 -1.61319835 0.272207300 -0.81906875 1.407023854
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##      V357      V358      V359      V360      V361
## 1 -0.009233631 -1.424237967 1.356564328 -0.847742186 0.597715627
## 2 1.163162753 -0.084107089 0.507107743 0.920371642 -2.559078188
## 3 -0.186882853 -0.794448721 -0.933763991 0.816795721 -0.419093858
## 4 -0.284919988 -0.088840029 0.039884339 -1.128684432 0.422654218
## 5 0.012668543 -1.319256423 -1.000092761 0.715514891 0.086063130
## 6 -1.146007903 -0.327217458 1.084165046 -0.077195560 0.058245630
## 7 -0.386940209 -0.754240988 -0.721820254 1.087819688 0.464025591
## 8 -0.766240693 -1.271101333 -1.319501720 0.528774081 1.300634277
## 9 -0.182326082 -1.256950727 0.397573937 -0.680571505 1.228439618
## 10 2.245031737 0.022527459 -0.604115705 -0.194199331 -0.907691000
## 11 1.056558284 -0.668634852 0.153418628 1.088967732 1.215943519
## 12 1.052897352 -1.163351261 0.348072031 1.360280459 -1.877160428
## 13 0.531731211 0.855245999 0.750819252 -0.522577598 0.588068710
## 14 1.916720515 1.492484611 0.571458985 1.997618855 -0.415494357
## 15 -0.159388500 -0.037051614 -0.709328283 0.628188597 0.583828592
## 16 1.232204641 0.055352833 -0.606088538 -1.514706889 -1.354280538
## 17 0.675152392 0.657744888 -0.676711063 0.013074703 2.224743507
## 18 -1.100850020 0.569032010 -0.991150805 0.181589790 -1.141949330
## 19 0.412307159 -1.201698338 -1.350534748 0.855092892 -0.363953897
## 20 0.576508346 0.733909088 0.944391581 0.200142417 0.566327659
## 21 -0.093103239 -1.319332508 0.873644702 -1.200082921 -0.237063062
## 22 -2.516374104 1.415760740 2.698200937 -1.912893761 -0.023418304
## 23 0.424168250 0.050640231 1.873612030 -2.934135018 -0.076632597
## 24 1.178739287 -1.163632247 -0.086873973 -0.338361202 -0.019815738
## 25 1.013919544 0.745070820 -0.552549663 0.425451866 -0.930088241
## 26 0.653391715 0.736378325 0.293918586 0.073097848 -1.006117397
## 27 -1.240477614 -1.275584040 1.649503903 0.284955191 -0.061799287
## 28 0.335028074 0.692570707 0.731419122 -0.095377931 0.616709784
## 29 -0.206026671 1.875208787 1.164294141 -0.335811021 0.746175849
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## 31 -0.129379535 0.380589803 -0.560305300 0.466762196 -0.830389351
## 32 1.510936639 0.653216168 0.298280093 1.458498341 2.161478534
## 33 0.027625990 -2.128438086 1.613220992 -0.857935895 -0.239030273
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## 35 -0.471074767 1.617477267 -0.896357313 0.605915191 0.516115158
## 36 0.091964384 -0.425711038 1.703003637 -0.591433219 0.258846535
## 37 0.245966187 0.241254063 -0.819888904 -1.120228111 0.539256174
## 38 0.912738490 -0.906226535 0.487880085 -0.889958140 -0.627722562
## 39 -0.302481297 -0.207664299 0.153398269 0.648102036 0.520292252
## 40 -0.600502560 -0.001632682 -0.477006281 -0.086471217 -1.159326902
## 41 1.580173411 0.918377497 -0.288645184 -0.662842935 -0.005853148
## 42 -1.908384959 -0.589367789 -1.040860276 -1.622394870 0.049428874
## 43 -0.082563670 1.610893071 -0.434212329 0.099962778 -0.819792881
## 44 -0.477496833 -0.219535256 1.181609154 1.077728871 -1.139107353
## 45 0.233632773 -0.878116385 -0.936279389 -1.255069784 -1.036226966

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## 49	0.084379521	-0.106444722	0.230680763	1.078245769	0.881954498
## 50	-0.662663461	-1.956326255	-0.336313994	0.045367348	1.577863394
## 51	0.034724758	-0.833683323	1.824297911	-0.151693200	-0.203775223
## 52	0.287517200	0.809693015	0.681543697	0.711804404	-0.912675787
## 53	-0.477585984	-1.509467726	0.001726549	1.530724963	-0.099632285
## 54	-0.269011626	-0.572519874	1.809913492	-1.111240221	0.738882632
## 55	1.033884470	0.159380408	0.965027902	-0.018427735	-0.382970223
## 56	1.306369221	0.093821752	-2.151495760	-0.256747036	2.330238558
## 57	-0.174950399	-0.020255121	0.022508722	0.158421226	0.718997728
## 58	0.229910858	0.023007996	-0.755266172	0.531033047	0.474057101
## 59	0.500898173	0.673680092	-0.010532656	1.203045800	1.688915204
## 60	1.521986789	-0.601970139	-0.298052172	-1.189610362	-1.059175397
## 61	1.362596379	0.685726243	-0.007536440	-1.845523566	0.064132589
## 62	0.200019576	-1.302787679	-0.373185043	1.064365546	-0.044924635
## 63	2.805251411	-0.273593463	-0.194713937	-0.142477372	-1.376920566
## 64	-0.909748781	0.583082315	-0.426576710	-0.008895387	-1.510538118
## 65	1.420070655	-1.065573263	0.229980839	1.242245761	0.835141392
## 66	-2.165041110	1.031664180	-0.036807714	-1.316239173	-0.486357970
## 67	-0.148738476	-0.445913900	0.217742116	0.445434657	1.343278112
## 68	0.165896960	0.772363737	1.803321136	-0.898810255	3.096356882
## 69	-1.258712052	-1.165566904	-0.357280873	-0.805152871	-0.969513217
## 70	-1.767736889	-1.895992302	-0.811074873	1.255281603	0.678886661
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## 74	0.520653711	0.615387986	0.458076525	-0.884299631	-0.505636982
## 75	0.573901878	-1.839170227	0.151444982	1.083098212	-0.318254925
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## 78	-1.451398262	1.535467243	-0.525815768	0.517438973	-2.008789574
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## 80	-1.672964783	1.116836720	-0.559695544	0.289775265	0.918266119
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## 82	0.841373149	-1.239048189	0.392015041	0.990629964	-1.433793640
## 83	0.209215024	0.778595482	-0.244011235	-1.316498758	-0.515263596
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## 85	-0.983514923	0.526088002	-0.823268477	0.382968101	-0.102767852
## 86	-1.062801228	0.087189644	0.241027238	0.748312685	-0.254793249
## 87	0.596962215	-1.068066314	0.740601579	-0.927568868	-0.455774536
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## 89	-0.636999366	1.559683705	0.250203198	0.951745967	0.533770524
## 90	-0.105195441	-0.244155831	-0.268634117	-1.112253073	0.214245110
## 91	-0.299447449	0.322462842	0.007586113	1.303859732	0.842157267
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## 98	2.212343620	0.018984951	0.417090190	2.599556745	0.757805088
## 99	-0.669264814	0.830729878	0.099280162	0.015267998	-0.420153676

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## 101 -0.694478316 -0.374856539 -0.792596281 -0.445272979 1.210632132
## 102 -0.228744913 0.343567449 -0.702817721 0.551424847 0.725708164
## 103 1.105886262 2.911736765 -0.752188378 1.452649272 1.148105149
## 104 0.253143458 0.127292655 0.291223779 -1.129806879 0.949277415
## 105 0.697326794 -1.016867627 -0.503414582 -0.428775078 0.139383202
## 106 0.226088480 1.106603976 1.709762215 -0.414666633 -0.244467959
## 107 -0.276334439 -0.126127762 -0.393297074 -0.107159950 1.363631458
## 108 -0.864200997 0.297318264 -0.181674719 -1.763708669 -0.335845200
## 109 0.692087583 -0.145041834 0.563251928 0.951786568 2.571529232
## 110 2.688140925 -1.022450313 0.148621023 1.123855500 0.667123502
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## 184 -0.906127885 -1.166869127 -0.486153162 -0.233157825 -0.329712192
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## 197 -0.587336959 0.699257905 0.468954996 -0.810048540 0.714805201
## 198 -1.074252736 -0.813906290 0.697332683 -1.231935833 0.042605453
## 199 -0.329040253 -0.772554682 1.047049966 0.364654591 0.599590537
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## 2 -0.273642535 -0.489545580 -0.815796029 0.270726602 0.442817476
## 3 0.030358740 0.611647577 0.057395334 1.095575565 -0.030215698
## 4 -2.224749122 -0.785665721 -0.381253016 0.223070890 1.694199507
## 5 2.547629075 -1.359987076 -0.389544140 -1.121191611 -0.009013165
## 6 0.259643929 0.081032226 2.151826493 0.521852993 0.824564757
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## 13	-0.656976587	-0.353055334	-2.286055703	0.242738073	0.763512663
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## 18	-0.727822822	-0.270865222	-1.581530359	1.759543076	-0.105668549
## 19	0.283362359	-2.077393245	-0.291183766	-1.959393550	-0.847094500
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## 33	1.119240548	-0.687759538	0.439889022	0.526830241	-0.536720039
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## 35	-0.580636453	-0.230616481	-1.349238353	0.401551764	0.299252108
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## 37	-1.635121388	0.951328631	-1.898952424	0.039391763	0.614801042
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## 39	0.310158093	-0.460279287	-1.423338345	-0.163599666	-0.441337640
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## 41	1.381585731	0.281899181	0.891485953	-0.779432592	2.387548826
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## 58	0.505732186	-0.688377397	-0.932878785	-0.653904254	1.435617255
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## 61	-0.125792564	1.315104581	-1.211127682	-0.070900951	-0.054101692

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## 118 0.470420212 -2.828564618 -0.900042954 -0.135557382 0.644248986
## 119 1.405440735 -0.111782804 1.628427386 0.224707848 -0.958603304
## 120 1.943951058 0.284194026 0.607736335 -0.470367267 2.241984223
## 121 0.589343600 0.040765236 0.517539576 0.902495610 0.362603269
## 122 1.083475042 0.292062159 -1.439713057 1.019303713 -0.235744442
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## 124 1.058900083 -0.117109807 0.052688836 0.114802334 -1.245678294
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## 55	0.6341834707	-1.240151707	-0.8857308858	-0.57610265	-0.145169112
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## 68	-0.5010117687	0.786831940	0.4037423483	-0.07446999	-0.361439180
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## 70	-0.4057454002	-1.576609563	0.0277335786	1.95099391	1.468534569
## 71	-1.6867700271	0.304266058	0.2033261357	1.64028093	-0.398363063
## 72	0.1519305130	0.752470082	0.4495325721	0.41149508	0.350105970
## 73	1.5432879748	-1.243900337	-1.0218416077	0.36138889	-1.009603316
## 74	0.4293462312	-0.494133305	1.5154455742	-1.65034791	1.467235771
## 75	0.4671531631	-0.460173818	-0.0980759072	-0.24327531	0.044049535
## 76	0.9760875237	-0.267542430	-1.1106075057	0.64276375	-0.497201027
## 77	-0.5616313995	0.038050809	0.1528719934	-1.21392471	0.085259362

## 78	0.3184437708	0.193560682	0.0702692949	-0.18298884	-1.218464993
## 79	-0.0465421366	1.488425607	-0.6253727728	-0.78403318	-0.470512849
## 80	-0.3878004893	-1.318478242	0.7760053474	-1.48001355	-0.150105549
## 81	-0.1777362562	1.409839657	1.8437261937	-1.15470490	1.787815345
## 82	0.0474207786	0.040503665	1.1108703242	0.93282019	1.312008954
## 83	-0.8900295055	0.631850351	-1.3874368838	-2.18868186	0.851730117
## 84	0.1468930250	-1.336872471	0.5019197969	0.90104637	-1.004194678
## 85	-0.2541789603	2.313423620	-0.1933261500	-0.61442199	1.013722174
## 86	-1.0457171152	-0.554772212	0.9867992104	1.22196605	1.056155613
## 87	0.5653095412	0.920967917	1.9035085725	0.66362617	1.126627646
## 88	-0.5484980251	1.221403302	-0.2233843548	0.88967057	-1.273328895
## 89	-1.0852612436	-0.742107343	-0.2825901929	0.59866005	-0.036561430
## 90	-1.5974649518	1.522671861	-0.4649016499	-1.58926571	0.074866363
## 91	1.8732925184	-0.174498775	0.9535708719	-1.15053813	0.241153903
## 92	-0.5546205017	0.528897548	-0.0025909081	1.57476024	0.828122470
## 93	0.5922419220	-1.648190237	0.3892981081	-1.46801631	-0.370821937
## 94	0.6087192474	1.455355788	-3.2647133918	0.84553439	0.376115610
## 95	-0.5333683824	-0.386565395	0.3820117318	1.39892804	-0.485370722
## 96	1.3659672568	1.244127614	-0.9277215965	0.08750551	-0.614930453
## 97	-0.6565149402	-1.039099336	1.4469432104	0.06081690	0.089718387
## 98	-0.1902048014	0.647705851	1.4953833268	-0.46576211	-1.155672358
## 99	0.3222545133	-0.483711732	-0.0486450437	-1.12847668	0.709316311
## 100	-0.0716274175	-0.333962475	0.3024164950	-0.76442651	0.170145287
## 101	0.5442601371	0.044361401	-1.3134212834	-0.24824734	0.723549057
## 102	-0.4801168504	0.261233371	1.2108968400	2.64113774	0.308025025
## 103	-1.6507127020	0.593624046	1.2775342476	-0.58853269	0.831499968
## 104	1.1419375370	1.369593665	0.6457210253	-0.00868800	-0.220822581
## 105	-1.0371861613	0.414519351	-0.7641326931	1.28688435	0.861289223
## 106	0.7406832795	0.910280752	-1.0435101463	1.54015161	0.513656727
## 107	1.2256659781	-0.766830036	-0.4560503442	-1.06481799	0.165511409
## 108	0.3877661685	-0.761466295	-0.0756356735	-1.22905531	0.101428059
## 109	-1.2271227491	0.937867511	0.3974652902	-0.41980411	-0.601197000
## 110	0.8566755151	-0.900839333	-0.2319073393	-0.81847587	-0.419241296
## 111	0.0002621857	0.205799784	1.0574502517	2.40724700	0.889303985
## 112	-0.1888585235	1.085822980	-0.7517096502	-1.98885834	-1.291960554
## 113	1.9826938147	-0.294192837	1.4707749711	-0.70901228	1.050811270
## 114	-1.1786453365	-0.036035761	-0.5550844205	1.46152859	1.406761898
## 115	-1.7767021220	0.827813903	-0.4609663940	0.05916650	1.030972853
## 116	-0.3443453248	-0.181634328	-0.9419757602	-1.98464616	-0.992095219
## 117	0.5984923743	-0.691596335	1.5104510391	0.04218737	0.884478862
## 118	-1.6769045210	-0.064783189	-0.6635457652	0.02126584	0.921450120
## 119	-0.9150476212	-0.410870149	0.0246087193	0.42353990	0.936706687
## 120	0.4806456975	2.737557270	-0.1726443461	-1.87243007	0.312901825
## 121	0.4984440928	-0.901898547	0.5512158995	2.32653445	-0.846768720
## 122	1.1024310051	-1.035859741	1.9628516731	1.01665044	-0.611908254
## 123	-0.7754434160	0.400215635	-0.0935284839	-1.25049090	0.554130827
## 124	1.1718678162	0.393917660	0.4895696193	0.38929274	0.335095729
## 125	0.7646007978	0.606412528	1.7165064071	0.43236433	0.637536195
## 126	0.5891630996	-0.120213280	-0.5568148348	-0.17495160	1.114241605
## 127	0.8457444541	-0.560690106	0.5500454702	2.34095445	0.178237985
## 128	0.3721511400	1.191037414	0.2074213180	2.03900182	-0.993299635
## 129	-0.9442063433	0.047138917	-0.3783291247	-1.28482229	0.906517870
## 130	0.6096178910	0.623931763	-0.0208448452	-0.20287429	2.555241949
## 131	0.2223024839	0.989521604	0.0221895171	-1.23667504	-0.541501834

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## 132 0.1353750406 -2.761826288 0.2917292000 -0.21724602 0.971967197
## 133 1.6321621162 1.092107432 0.1758561716 1.62544882 -0.324664461
## 134 -0.4897218980 0.581780212 -1.0680247013 0.11882052 0.670116724
## 135 -0.2590922681 -0.687988137 0.4665447579 0.35563308 -2.965750968
## 136 1.7449591861 0.641781399 -0.5437835139 0.16856433 -2.013867799
## 137 -2.0631650851 0.136820790 -1.3276223338 0.04330183 0.269857475
## 138 0.5545451297 1.038418777 -0.8932739066 1.62565010 -1.241007604
## 139 -0.5663221650 0.580763609 -0.5184346826 -0.89035863 0.857128986
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## 141 0.2915425629 -1.174240354 -0.6493858559 1.32017841 -0.649835660
## 142 -0.2589457854 -0.040546326 0.0045795522 -1.11190710 -1.580355530
## 143 0.2948835150 2.906605345 1.4551566766 -1.63352035 0.251204186
## 144 0.7652880091 0.830009251 -0.0661090736 0.40721017 0.602047910
## 145 0.1144228563 0.308071246 -0.2534356754 1.13577334 1.784367464
## 146 0.1577710719 1.305904727 0.4033820637 -1.75200817 -0.279735310
## 147 -0.3171279804 -0.061946867 -0.4759672548 -1.15529990 0.113962823
## 148 -0.0010582764 -0.009016532 0.7649871473 1.20426200 0.451460585
## 149 -1.4195852525 0.723385836 0.7815668512 0.88545483 -2.610075579
## 150 -1.1148296492 -0.427790985 0.1854205451 -1.02042218 1.114137520
## 151 0.1783238433 2.573336637 0.1043197813 -0.98774375 -1.353616657
## 152 -0.7180154739 -0.359782203 0.4716948115 -1.50994761 -0.655646985
## 153 -0.9767536849 0.754897000 1.8896730078 0.05113881 -0.580305431
## 154 -0.6076694600 -1.303828237 0.3003339309 0.53602400 0.285399624
## 155 0.5575595798 0.720399776 -1.8007151129 0.67308050 -0.564524551
## 156 -0.0702521976 0.787128818 0.0486910255 1.55699374 0.433520700
## 157 0.9240081625 -0.320141493 -0.5959820129 -0.74226400 0.242096955
## 158 -0.8411441897 0.266103163 1.3830832221 0.29948198 -0.910154428
## 159 -0.5503395716 -1.592079440 -1.3584867900 -1.40804313 0.081073093
## 160 -0.2984694750 -0.125557845 1.6443088195 -2.45739972 1.114935131
## 161 0.1909500106 -1.283820384 -1.3513624067 -0.70333673 -0.151825206
## 162 -0.8036685670 -0.736495862 -1.6846484576 0.16670438 1.473410182
## 163 1.2458684244 1.855582576 -0.3393821241 -0.63086508 -3.058858290
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## 165 0.3887187296 -0.091569869 -1.2712937232 0.19038881 0.820632111
## 166 -0.0311377094 1.060449648 -0.7786060388 1.32169019 -0.473446431
## 167 0.0042994159 -0.041800740 1.1338510925 0.92788663 0.098187021
## 168 1.3547322659 1.383763157 -1.5923280684 -1.13658673 -1.598929272
## 169 -0.2593338634 -0.416272686 0.7954891588 -1.64663969 1.388610777
## 170 0.1482261870 -0.323142530 0.4904699380 0.26248924 1.193283828
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## 173 -0.1074244996 0.741368465 -0.0109963774 -2.79600791 0.205061235
## 174 0.6230116576 -0.878111816 1.0529158208 0.11737984 0.048134531
## 175 0.0866348655 0.372608241 0.2498586036 -0.22076379 0.742585779
## 176 0.4558183602 -1.794979800 0.6212507954 0.07720131 0.354457478
## 177 -0.9092370018 -0.143376736 -0.3372538956 0.23508342 0.926009374
## 178 -1.2193967374 0.453424509 -1.0100054168 -0.48395419 -1.372892635
## 179 -0.5749005750 0.031143102 0.4907998460 -0.50247248 0.009748146
## 180 -0.1429304478 -0.208671168 -0.5414167152 0.83163758 1.155567539
## 181 0.8124595906 2.297295519 -0.0501175292 -1.48635238 -1.944763965
## 182 -0.6310089114 1.027809498 0.1776708615 0.40914771 0.770819295
## 183 -0.4532299158 0.679470188 1.2902383757 -0.61476360 0.389190683
## 184 -0.0455773100 1.688684201 0.7164599012 1.10556656 -0.216774326
## 185 0.8621622200 -1.460885928 -0.9326061274 0.42685176 -1.495770718

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## 186	0.6068487447	-1.098448139	0.8155325951	0.25051424	0.389241254
## 187	-1.1078810708	-1.706718898	-1.1836796931	-1.23927495	1.240733141
## 188	0.7289813767	0.696894601	-1.4222374614	-1.27609421	-1.064320636
## 189	1.1684640587	-1.524984582	0.6360471143	-0.49197141	2.975038171
## 190	-0.1072664695	-0.386378458	0.2045375044	1.39036763	0.824672935
## 191	0.4090924414	0.964508822	-0.6451726707	-0.06943105	0.340799396
## 192	-1.5282341929	2.533462447	1.5113897929	-0.16167062	0.564859403
## 193	-0.2851729302	0.655867974	-1.0949773279	-1.62351333	-0.195349385
## 194	-1.1142349335	0.296929046	1.3356855785	-0.44254556	0.424883898
## 195	1.1148865867	-1.143484774	-0.8780045137	0.64304615	-0.364143200
## 196	1.0758352445	-0.687436846	-1.5225062914	-0.25184566	-0.691996955
## 197	0.5671599988	-0.197493111	-1.0827978567	-1.11707220	-1.415313068
## 198	-0.4249882820	-1.529883280	0.1338120473	-0.12736133	-0.442559409
## 199	-0.5408857689	0.328715851	0.9904898564	-0.41925539	0.688337974
##	V372	V373	V374	V375	V376
## 1	0.588583318	0.148435509	1.7926630515	-1.4283616502	0.29658006
## 2	-0.248917054	1.869163830	-1.9198327019	-0.4331829352	-0.48583405
## 3	0.319426934	0.913391202	-0.6802565788	-0.2111724780	0.07206988
## 4	-0.219210729	1.682804569	-0.9695146388	-1.6052484404	-0.04235564
## 5	0.680952404	0.752981278	-0.3075665356	-0.8900219658	1.18813223
## 6	1.299385120	-1.517845528	0.2135028299	-0.0001334438	-1.05228644
## 7	0.378343918	-0.596877256	-1.3894416307	-0.8500259371	0.49623201
## 8	-0.756191153	-0.288047957	0.8290001526	0.2712400090	0.86269466
## 9	0.750884488	-0.988764567	-0.5051203723	1.6716429616	1.03950764
## 10	-1.992941145	0.349020511	1.4425144250	-0.6626565372	-1.04150413
## 11	-1.344487901	1.100945763	0.0972735336	0.1357486225	0.15289565
## 12	0.416208255	0.579463996	-0.7207635377	-0.2775624968	-0.96442054
## 13	1.757449096	2.890774181	-0.5460150435	-0.9706431721	0.35735424
## 14	-0.242477619	-1.759747655	-0.7804969133	-0.8012243253	-0.50856321
## 15	0.850652803	1.590858296	-0.4402865135	0.4523519602	-0.27241196
## 16	-1.214653555	-0.151171948	0.4902354856	-1.4116610896	0.02046171
## 17	-0.640464740	1.308432940	0.6673213288	0.4607266456	-0.53251505
## 18	-0.627767278	0.004104824	-1.2955048337	-0.8155947028	1.03956979
## 19	-1.653638616	2.664090805	0.3750500401	0.5035824616	-0.56182040
## 20	0.309825553	0.693383952	-0.8039366489	-1.7143115108	-2.09698477
## 21	-0.489803423	-0.553248933	0.4765092355	-1.2455580918	-1.14391462
## 22	-0.623657261	-0.049703072	-0.7728839454	-1.4487274423	0.99258472
## 23	-0.215163296	-0.633770882	-1.1318988928	0.6186914822	-0.51210382
## 24	-1.071330662	-1.266611752	0.3616397257	-0.5168053603	0.70848885
## 25	-0.443188319	-0.526949418	0.4287662478	1.7225478275	-0.61494103
## 26	0.932762598	-0.411267855	0.1363052590	-0.6127976636	-0.04610207
## 27	-0.012030679	1.845108931	-0.2540024979	-0.7729744807	0.50680943
## 28	-0.015213599	-0.046305196	-1.0674359584	2.1994631473	2.03773092
## 29	-1.614880032	0.903289768	-1.1730684340	-1.3645318007	-1.62739761
## 30	-0.413558651	0.994507216	0.1494295166	0.2147171182	0.83528565
## 31	1.012945034	-0.962311587	-0.8440810582	1.2512743272	0.99409792
## 32	-0.335816581	-1.134431204	0.7462765821	-0.2367414485	-1.41430697
## 33	-0.501010669	-0.140964719	0.4191439677	0.7830832123	0.95908151
## 34	1.222862688	1.597163817	-1.0419238022	-0.7300334523	-0.42885425
## 35	-0.264762002	-0.088989188	-0.0012674148	0.3842227228	0.35330066
## 36	-0.676694581	0.128468075	-1.4030335934	0.1971548976	-0.83215045
## 37	-0.805310147	0.014585425	0.6007021914	0.6526084207	-0.41010629
## 38	-0.289077401	1.967332832	0.5165124319	-1.0920167020	-1.76371595
## 39	-1.145763886	0.225863812	-0.6489539790	2.4293214989	-1.19530179

## 40	0.235178349	0.243993225	-0.9187994066	0.6797370178	-0.39128447
## 41	0.256208711	-0.399108588	-0.2126917396	-1.2559813965	-0.29056222
## 42	-1.057411721	0.673905092	0.9148586863	-0.4214574806	-1.29544635
## 43	0.948090563	1.974442277	0.8299129817	0.8072770139	-1.39753377
## 44	-1.315072659	0.740480481	-0.7542270683	-0.9229742989	-0.65005822
## 45	-0.537431716	-0.370395186	-0.3914771836	-0.3633954429	-0.13107763
## 46	0.274097797	0.246381003	0.8274454143	-1.2033136408	-0.03210402
## 47	0.940928166	0.907363014	-0.1008445929	0.7869212872	0.47885993
## 48	-0.059415573	0.404639650	-0.2862272488	-1.6954022354	-1.57232257
## 49	0.926444608	0.371806377	0.1726881007	0.5136480742	-0.17851361
## 50	0.632860161	-0.968353019	0.6017812887	-0.5267476302	1.46879756
## 51	0.352057608	1.210089228	-0.5813869661	0.4869158922	0.92023817
## 52	-0.904965544	0.289662448	2.3474825533	-1.8273862995	1.27265518
## 53	-0.602552241	-0.300017039	-0.4188365244	-0.9982667094	-0.80686074
## 54	1.036318998	0.566312220	1.3409095665	-0.3167053024	-2.76608562
## 55	0.475210456	-1.344113603	1.2596163281	-0.3712845061	0.38264162
## 56	-0.272357326	0.391984694	1.7670572084	-0.1549512598	0.01959899
## 57	-0.214240889	1.217130946	1.6809587233	0.2002842606	-1.28730487
## 58	-0.084424044	-0.198577830	-0.1028680932	-0.1514715642	-0.26217825
## 59	-1.169713401	0.003866308	0.6657951152	-0.4782698579	-1.23829601
## 60	0.308796616	0.203184739	-0.9158116155	-0.8413683736	-1.61725231
## 61	0.227437442	0.278166584	-0.9294656965	-0.2073630721	0.87852051
## 62	-0.822594534	0.388484836	-0.9074460147	-0.1781331598	0.09061949
## 63	-0.482325177	-0.698996277	-0.0102725611	2.8101021498	-1.10573894
## 64	1.278863418	1.243998020	0.3582908655	0.4226335268	-0.41161679
## 65	1.213490254	-0.146367856	-1.2481796805	-0.6631045304	-0.41892189
## 66	-1.278726119	-1.801313790	-0.2576820956	0.2832401972	-0.99246706
## 67	0.908022898	-0.002029373	0.0577703874	1.6209660308	0.42149038
## 68	1.817645334	0.684446497	1.3696933706	-0.3861558698	0.46515745
## 69	-0.133687297	0.491433529	0.0603801118	-0.4679763835	-0.71531902
## 70	-0.990547211	-0.991812907	0.4230583681	1.6968670484	-0.53127905
## 71	0.307773435	0.980377679	-1.0130800087	-1.2779932431	-0.72339273
## 72	1.607992837	-1.062731185	0.4726974824	1.4454197758	-0.54756790
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## 89	0.167468804	-1.402156443	0.2099306014	1.1707645883	-0.44399200
## 90	0.439238093	-1.444320864	0.4507846259	0.0699387888	0.01201978
## 91	-2.519307604	0.444801056	0.7833057632	0.1592803843	-1.31401182
## 92	1.333892028	0.114941432	-0.1807882409	-1.0320846972	0.16428685
## 93	-0.606222737	0.023621781	-0.5326983318	-1.4628659682	-1.39556154

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## 11	1.95251763	-0.1777684942	1.768253278	-0.190014934	0.56281582
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## 13	1.19532932	2.3488023036	0.831553924	0.537641328	1.72876802
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## 18	-0.19579513	-1.4013176446	-0.551259975	-1.769811579	-1.79605910
## 19	-1.29276724	-0.1186833247	0.694418786	-1.375874348	-1.57381423
## 20	-1.15381797	1.5707206309	-0.404357050	-0.292687141	-0.68975443
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## 22	0.84304236	-1.5867644436	0.988091091	-0.544092964	0.14344667
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## 25	0.39973674	0.0572119671	-0.063001819	0.175117885	0.28894652
## 26	1.69371071	0.9284672674	-1.548107225	-0.516037156	-0.07356627
## 27	-0.61739155	0.6950967808	-1.896453922	1.244098862	0.32434242
## 28	0.32888559	1.7234137505	0.615116882	1.424946623	-0.52385982
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## 30	-1.88749061	-0.9260683873	1.239422788	-0.874125028	-0.64546492
## 31	1.73845606	0.0285142980	-1.392071613	-0.516628159	1.80592661
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## 33	1.45874649	0.6886865878	1.849261748	-0.805807310	-0.79325195
## 34	0.67443492	0.1813573043	0.794308417	1.893947628	0.56212203
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## 37	0.91575327	1.3264077828	0.349096524	-0.155689260	-0.18369341
## 38	-1.37851398	1.5662252800	-0.761797521	0.274462280	0.75208448
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## 40	2.91055721	-1.8037824905	-0.200234754	-1.050360711	-0.80434679
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## 43	-0.34603662	-0.5093945031	0.115724514	-0.879676766	-1.07975585
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## 53	-1.02525243	-1.2869362452	-1.275387027	-1.113129954	-1.64928549
## 54	-0.43125108	-0.9108776076	0.868042423	-0.294993040	0.03548809
## 55	1.92214801	1.6465825210	0.322234010	0.434174533	-0.70381770

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## 56 1.04875797 -2.3155578580 -0.408421131 -0.551475258 -1.47576559
## 57 0.55216224 0.2692009764 0.476092542 0.496210616 -0.43044070
## 58 -0.50685827 -0.2121600775 -1.037262108 0.851066012 -0.30912869
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## 76 0.84362902 -0.8428648653 1.609417080 0.508987583 0.55418506
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## 82 0.67833704 0.3862317494 1.755275473 -1.904254981 -0.23878772
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## 108 1.63921872 -0.3791606620 0.171804799 -0.320821892 0.95896205
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## 110 0.90790224 0.4531223114 0.989098008 0.972173300 -1.31339771
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## 115 0.86651301 0.8130752853 0.001642296 -1.442315098 -0.04066480
## 116 0.11021036 -0.6768322401 -1.338635601 -0.762718992 -2.33979114
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## 37	1.034208808	-0.8059003100	1.0224481572	-0.11576176	-0.7959456917
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## 44	-2.090767035	0.3547181323	-0.6321508145	-2.05020548	0.0594419693
## 45	-1.797166052	0.4936088390	-0.7842868514	0.15791461	-0.8727209856
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## 74	0.465113403	-1.7596740401	-1.2921051038	-0.18165448	0.1927115470
## 75	1.819727845	-1.3831704869	0.2913667446	2.42616331	-0.5312440882
## 76	-1.205302804	-0.1591631721	-0.4754481079	-0.47369742	-1.0047344790
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## 83	0.866035069	-0.1423483043	2.5154137123	0.09443495	-1.4229676075
## 84	0.836319854	0.2049103975	0.6866166422	0.90159364	-1.2133364485
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## 88	0.211641640	2.0701867546	0.3350700598	-0.20952128	-0.7909612294
## 89	-1.178687639	0.5219741105	-0.3595343221	0.31328539	-0.0038654416
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## 91	-0.797613110	-0.5245053847	-0.3406286538	0.99731816	-1.4713409623
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## 102	0.671140572	-0.4207609142	-2.3061721374	0.75704416	0.7305699372
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## 106	0.946759021	0.5412223259	-0.2560724652	0.03350626	-0.1390592304
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## 108	-0.480574727	0.2734878025	0.3653363594	-1.68427253	-0.1342579474
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## 116	-0.482396445	1.0436593853	-0.0700128767	1.33962481	0.5062013497
## 117	1.074963343	-0.2776817212	-0.0008814788	-0.96338947	-0.7882897403
## 118	-0.306128765	0.5996278773	-0.9694966739	-1.19036202	0.5818525964
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## 120	-0.767195403	-0.3292327655	-0.4583914932	1.64763343	-0.9933110942
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## 122	0.104253910	0.2581576614	-0.4648828156	0.51416124	0.4879123914
## 123	1.204775396	-0.5234499855	-1.8675133421	0.94903895	-0.7721890109
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## 127 0.912498357 -0.1120284765 0.3015428046 -1.58033026 -1.6596947082
## 128 0.993763963 -1.0021356580 0.9337693331 -0.03437634 -0.4692520454
## 129 0.025515958 -0.5991118605 0.3209762693 -0.49075245 0.0086996898
## 130 -0.263454296 1.0770171291 0.2682255195 -0.23544366 0.1874383630
## 131 -1.368558422 0.1397607567 -1.0799112290 -0.61086763 -2.0187724034
## 132 0.018566166 -2.7865579691 0.7430726554 0.10835492 0.5342457280
## 133 -1.923980118 -1.4615478829 0.0340666857 0.22996847 0.7234987829
## 134 -0.019798180 -0.8643914156 -1.0073892276 -0.59070003 -1.6831462289
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## 136 0.626087065 1.6130936216 -0.1386800352 -1.91165411 -1.4016844108
## 137 0.097947721 0.7909305593 -0.9856762151 1.95198290 -1.1370596851
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## 180 0.386572874 -0.4247153267 1.2675928966 -0.17133540 -1.6480233867
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##          V387          V388          V389          V390          V391
## 1  -0.3503248813 1.88267946 -0.370769019 0.8886771142 0.9815256318
## 2   0.7270262299 0.61954599 -2.234448191 -0.6475806534 0.5615697772
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## 4   0.3518112486 0.84720686 1.181933246 0.3271149812 -0.7702356820
## 5  -0.1136244011 -1.67421389 0.396465805 0.7476565800 -0.0079270487
## 6  -1.0915577186 0.04625215 -1.613250638 1.2768834626 0.4466200637
## 7  -0.9020235717 2.03206740 0.767324525 1.2659065291 -0.5262178058
## 8   1.7524136930 -0.19977360 1.032733942 -0.4462726628 -1.0496161738
## 9  -0.3015792253 0.99586035 -1.495511933 -0.1203292583 -0.5102809238
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## 11  0.0766644768 -1.34791141 0.368355942 -0.2208767899 0.6236567170
## 12 -1.2335232105 -0.05529049 -1.003943494 0.2478447566 0.3608570324
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## 14  1.2879022388 -0.87530190 -0.925836672 0.0290977052 -0.3992015463
## 15 -0.3517047282 -1.38105476 0.085056086 -0.1862144754 -0.3182955058
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## 17 -0.2185764762 0.15780458 0.648312887 0.2459881109 -0.0998111679
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## 31  0.0103981625 -0.29119247 1.053243340 0.3005752979 1.0677743102
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## 86	-0.1286965827	-1.86179364	1.137774833	0.4582135123	0.6587357934
## 87	-0.2044638028	-1.04315382	-0.271048858	-0.8255988703	-0.6771557297

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## 91	-1.0524175651	-0.87382104	0.164117495	0.1167882257	0.6028938363
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## 94	-0.3185925293	0.40719586	-0.149066721	1.0841560287	-0.4779483261
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## 105	0.6336636582	0.59979939	0.599166348	0.2548793761	0.4447720767
## 106	0.2221686978	-0.90495854	-0.683833826	1.0245295916	-0.3363458516
## 107	-1.0774994502	0.63558967	1.919611607	1.3871706155	-1.1765498648
## 108	-0.0976975244	-1.00181767	1.588267267	0.8770483015	-1.0221742248
## 109	0.0889447352	-1.74666319	0.073254371	-0.5634958511	-0.3348884926
## 110	-0.7566904029	0.52507456	0.116385529	-1.5318326921	-0.5572841682
## 111	0.8571043347	0.63704538	-0.148055421	-0.2305513123	0.8635961406
## 112	-0.8679842998	1.08608612	0.833674630	0.4011784586	-0.4528443622
## 113	-0.6514962091	0.29081688	-0.098886504	-1.0252115241	1.1994624737
## 114	-0.1380649342	1.22637959	0.514573420	-1.9080086661	1.3868056248
## 115	-0.0325886878	0.94453593	-1.965639711	-0.4318537961	-0.3347064528
## 116	-0.6934706817	-1.46747245	0.125414813	1.4738302833	0.6802469771
## 117	1.5863480933	-1.69656115	1.042144636	0.1257623593	2.9463496573
## 118	-0.3054260988	-0.94352907	-0.223830866	-2.1477602279	1.2363129953
## 119	-0.8303855676	0.15147634	1.125836572	0.2022671363	-0.7731163598
## 120	-0.0008663344	1.45390579	-0.716655565	2.9875317276	-0.1333150839
## 121	-0.1985688708	-0.27563054	0.548007205	-1.2694681900	-0.8379812030
## 122	1.0480393347	-0.19914918	-0.025073245	0.1413812418	-0.4607634549
## 123	-1.3003006847	0.16458551	0.758598795	0.5786010810	0.2488329716
## 124	-0.1257257490	-0.59070912	-1.529922646	0.0215962991	-1.0757849103
## 125	0.6958712085	-0.33251952	0.323898911	-2.4925660980	-1.0683152017
## 126	-1.3551392500	1.60031423	-0.098012827	0.6032153258	-0.6901407088
## 127	-0.6380098138	0.41039011	1.732010415	1.1895298030	0.1060417449
## 128	0.0470297156	0.40955853	1.947636382	0.3801014147	-0.2945975385
## 129	-0.4052230312	-1.13563400	-1.097655380	0.3508919784	2.8121899393
## 130	-0.3081500729	1.55698167	-0.825215853	-1.2479529922	0.8447210097
## 131	-0.5281884605	0.28010692	-0.384280372	0.3326204037	-1.1655222510
## 132	-1.4367298315	-0.72025520	-1.592659902	-0.1941142952	1.3832508323
## 133	0.8543275117	-0.71229093	-0.465567608	-1.0766161213	0.9965903733
## 134	1.2002709906	1.66199896	-1.466574546	0.4771883630	0.5575844818
## 135	1.7760831617	-1.53376512	-0.062590897	0.9571406987	-0.3494664068
## 136	-0.0405293699	-1.39608162	0.751804787	0.7757517472	0.5023071578
## 137	0.4118537362	-1.03521830	-0.979436924	-0.0583889660	-0.2314629853
## 138	-1.7470173221	0.69619496	-0.543664584	-0.0989318144	0.2822419482
## 139	0.5301421278	-0.29427431	2.151779007	-0.2160461964	-0.4697213575
## 140	1.2693069858	0.29763106	-0.525051386	-1.0482020271	-1.9274486657
## 141	1.3659136945	0.81438275	0.172999222	0.9566334207	3.7717763471

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## 142 -0.3442767183 -0.85944049 0.800105855 0.3132048086 -1.7226840907
## 143 1.2468784510 1.30070447 -0.321865956 0.4842096028 -0.3514861820
## 144 1.6641752175 -0.33514290 -1.159585368 -0.4511191758 0.9025744657
## 145 -0.0181019456 -0.73950597 -0.276903503 -0.9826766936 1.4127694871
## 146 -1.7127364767 0.09444364 -0.427679900 -0.2739726946 0.5986779023
## 147 -0.1161589608 -0.60611020 -0.240189040 0.1090901123 0.0107781312
## 148 2.3106842218 0.03370332 -0.871615811 -0.1148531045 -0.9642013915
## 149 -0.5227958857 -0.42843136 0.760190798 0.0854491283 -1.2545667358
## 150 0.0955003493 -1.23856853 -1.285412076 -0.7965096373 -0.3895041708
## 151 -0.2185407341 -0.63463702 0.388697736 -0.1925331117 -0.0956241198
## 152 0.2076205301 -1.60790863 0.112984552 -1.0539777202 -0.0002071955
## 153 -0.9818086279 -0.06594165 0.032890860 0.3458191525 0.0843555453
## 154 0.3633998632 0.15074265 0.255908925 0.8437910583 0.0223408106
## 155 0.6509398152 0.10472256 1.085633260 1.5521668045 -2.1924433086
## 156 -1.4366970010 0.20329022 0.540009128 -1.7814116560 1.1898106196
## 157 0.9833437806 0.29360313 -0.326019990 0.2844746814 0.1417164661
## 158 1.6083676026 -1.59852245 -2.708998684 -0.5058210113 1.3276790158
## 159 1.4609087062 2.09894052 -1.869056465 0.6876215803 -0.5022320146
## 160 0.0891062203 -1.12244175 -0.542662839 1.8644638546 0.0200950005
## 161 1.6730628826 -1.15145778 0.848610948 -0.2283564105 0.0385299101
## 162 1.2867268916 1.17939362 -0.777282803 -0.4304588778 -0.1676312254
## 163 -1.3639429629 -0.75094029 -1.302636348 0.2440985939 -0.2912238860
## 164 0.6659454197 -0.46803519 1.390360616 0.0811305653 0.0167257652
## 165 1.0318102765 -0.46771008 -1.599230974 -1.0890505612 1.4052162243
## 166 0.9622735505 1.04727623 -0.247950510 -1.3285693659 0.7870529714
## 167 0.1688029710 0.10220808 0.501298262 1.1639143888 -0.3120520055
## 168 0.0865657220 1.06911551 0.972847881 0.7504082079 0.2900830469
## 169 -0.2933443520 0.61034803 2.097347242 1.0679642574 0.4621980830
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## 178 -0.5753253302 1.48529104 1.211509064 0.2318043077 0.7993428761
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## 181 0.6288526402 0.15338339 1.385122239 0.7714038917 -0.5667629518
## 182 1.1174685275 0.13613650 -1.774666124 1.2759658311 -0.2536406227
## 183 0.9742654057 -0.95094805 -0.102239515 -1.5460340756 1.0565373150
## 184 -0.5259500121 1.34612894 0.562601672 -1.4801054190 -0.8786937051
## 185 1.0443016602 -1.42650788 -0.556320740 -0.0386637403 0.4005658758
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## 194 -1.2534348467 0.40893527 -0.644395224 -1.8882197312 -0.6751490090
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## 196	0.7619390124	-0.45620744	-0.215303312	0.9448411058	-2.4732118965
## 197	0.9282927156	0.28683740	1.153838406	-0.3283007641	-1.0657504059
## 198	0.2408486025	-1.69795342	-0.451903406	-0.4305410244	1.9632149387
## 199	1.7865366016	-0.92239019	1.563866259	1.9846630950	-0.0198414493
##	V392	V393	V394	V395	V396
## 1	-0.480865050	-0.301065887	0.441054548	-0.670569808	0.148834669
## 2	1.572003313	-2.117160531	1.236614182	0.032572754	-1.161160917
## 3	-0.082514255	-0.576969551	-0.080699842	1.294679946	-0.046860191
## 4	-0.083300040	-0.135513312	0.487425091	0.896053827	0.681294769
## 5	1.659031949	1.265770878	-0.156076746	0.605411480	-0.263689729
## 6	-0.893006028	1.451353846	-0.058143889	1.042567788	0.721433236
## 7	0.090937269	-0.152502453	-1.082100186	-1.574878877	1.402299690
## 8	1.005840424	-1.582598008	1.335512493	0.686551828	0.911693309
## 9	-0.185182416	-1.476433897	-0.832072778	-0.001959494	0.898155811
## 10	1.627042233	-0.621624700	0.385853396	1.712859250	-0.852132337
## 11	-0.104267074	1.718003348	0.423426290	-1.116131711	-0.062521649
## 12	0.355678244	-0.113216285	-0.437355799	0.957373031	0.693756561
## 13	-0.347923910	-0.302471847	0.066859937	0.020117770	-0.702450087
## 14	0.117219956	-0.206673338	0.333734227	1.044349596	0.086107624
## 15	1.060000240	0.573961595	1.029020986	-0.577626996	0.005733619
## 16	0.830925826	-0.831691879	0.809687100	0.736301475	1.466000910
## 17	0.494772727	0.839966624	0.463947038	-0.669154303	0.193644317
## 18	0.179459346	-0.125020845	-0.681409569	-1.143789677	1.875963110
## 19	1.965346200	0.357489833	0.240286482	-0.144564714	-1.308208822
## 20	1.535937152	-0.556652984	0.362669707	-0.860035876	-0.699977108
## 21	0.577932913	0.708127424	-0.581920026	0.464510991	0.817964104
## 22	0.886507710	-0.979622481	-0.589417417	-0.538575260	-1.006110922
## 23	0.346299300	-1.586074071	0.467860147	-0.135935928	1.770300851
## 24	-0.587943251	0.391304235	-0.593265849	-1.342233056	0.511265622
## 25	-0.431537325	-1.215724244	-1.692247839	-1.581399259	1.544944946
## 26	-0.592626260	-1.108401658	-0.659787112	0.987422500	0.762009083
## 27	-1.125725100	1.829611659	0.772777258	-0.506350013	1.999325437
## 28	0.211810449	0.429686345	-1.083556027	-0.303526068	-1.318127445
## 29	1.208590857	-0.152220678	0.598651662	0.166637554	0.144380544
## 30	-1.004942495	1.158899664	-0.358215776	-0.242649600	-0.092576699
## 31	0.043369055	-0.949211639	0.093868285	-0.808380622	1.089616659
## 32	-0.005254787	-0.449525051	1.066309666	0.717108730	-0.657328588
## 33	-0.693842841	-0.958329182	-0.243593610	0.198194115	0.368541845
## 34	0.261541912	1.804962798	0.493318758	2.272082591	-0.324036081
## 35	-1.195280247	-0.628875583	-0.199936606	-0.509731002	0.507885806
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## 37	0.471382869	-3.411480479	-0.962561663	0.162284413	0.434642213
## 38	-0.931303743	-0.665845877	-0.427345430	1.322152622	-0.674984911
## 39	1.469773842	-0.158832098	0.326015879	0.109254772	-0.720462426
## 40	0.308237089	0.886285056	-1.070854273	-0.582206945	0.973364412
## 41	0.395585054	0.751267384	0.476655647	-1.426196183	1.399294500
## 42	-0.369938410	0.992784292	0.721361587	-1.864413785	0.637521463
## 43	-0.819163474	-0.651868470	-0.478733689	0.607432707	0.454552735
## 44	-1.668234152	0.010951485	-0.309647628	1.638444802	0.073928730
## 45	0.559947624	1.441993992	-1.187899817	0.442030208	0.041542353
## 46	-0.342765694	2.155132659	-1.162896120	3.496335879	0.958549817
## 47	1.137281693	-0.595562316	-0.236196713	1.782489722	-0.048775741
## 48	0.280843096	-0.709036092	-0.410923180	-0.140319411	-2.827300183
## 49	-0.292366330	-0.819527546	-0.884018264	0.796977647	0.576339853

## 50	0.191633206	0.015271116	-0.306943533	-0.344962640	-0.250186722
## 51	-0.554794029	-0.739590840	1.966173384	1.971933780	0.330867251
## 52	-2.251383567	0.450623196	-0.778458573	1.755079410	-1.254105605
## 53	-0.217485570	-0.890907404	-0.383626441	-1.320486630	1.293723779
## 54	-0.504992115	0.403763304	-0.183415400	-0.734959562	-0.275237027
## 55	1.007178708	0.023081586	0.662597487	0.794620567	-0.881030090
## 56	1.402005267	-2.169132698	0.790206362	0.716135004	-0.667370045
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## 58	0.742847049	0.491923263	-1.627037288	-0.618582896	-0.191394249
## 59	1.427946298	-0.289577890	1.337785983	-1.000183250	-0.829144497
## 60	-0.904267687	1.248752674	0.048608255	1.412702051	-0.215820150
## 61	-0.730496403	0.024161654	0.673449566	0.517588774	-0.060750524
## 62	0.213768880	0.623309845	-0.018347415	-1.087085737	-0.661944907
## 63	0.487412471	0.047433832	0.253050289	-0.125989761	-0.761174471
## 64	1.235315223	-0.907920052	0.130445841	-0.033050444	-0.009588936
## 65	1.912970243	-0.671499358	0.833337434	1.039757625	1.086184991
## 66	1.237706870	1.105206796	1.089866049	-1.000548108	-0.911904838
## 67	-0.405242493	-1.418154342	0.043742196	-1.772571010	0.725571070
## 68	-0.390150496	-1.727826814	-0.532181944	-1.198777090	-1.502455204
## 69	0.230530113	0.079641619	-1.442967976	-0.638573692	-0.927564382
## 70	-0.107575063	-1.560885434	-1.118720110	1.269325017	-1.135860734
## 71	0.602173385	0.088322947	-2.133736056	1.192748732	-0.697217581
## 72	0.792633850	-0.652888383	1.596529776	-0.817883371	-0.138407900
## 73	0.071876918	-0.371846118	-1.161270274	1.092685933	-0.491062752
## 74	-1.345807918	-1.931726306	-0.089344295	0.040470997	-0.499993586
## 75	-0.578352476	1.058475515	0.674004923	-0.232931202	-0.130915749
## 76	-1.381375205	-0.009679718	-1.405293693	2.570692425	1.922844098
## 77	-1.297167212	0.102915830	0.275286912	-0.093843895	0.688144089
## 78	1.532505654	-0.282259513	1.567283350	0.776385928	1.861388032
## 79	-1.549994022	-1.764961162	0.067221957	-0.405865131	-0.905315796
## 80	-0.520470457	1.070943279	-1.356716985	1.234992386	0.868841729
## 81	0.222278842	-0.391695507	-0.455349029	0.275771756	0.313992729
## 82	0.336097814	-1.227570068	-0.435825761	1.651864088	-0.942596895
## 83	1.682927089	-1.166033817	0.333022935	-0.038654364	-1.372047068
## 84	-0.953444709	-0.108971171	-0.584018336	0.623970256	0.744299946
## 85	2.305407667	0.139349130	-0.605617125	-0.276425720	-0.101623954
## 86	-0.897042705	0.670422183	-0.509605897	0.073301123	1.505076557
## 87	-1.745209899	0.728097462	1.148921852	-1.173076563	-0.696107202
## 88	0.556805373	-0.299756633	-0.311762280	0.599608177	-0.741069333
## 89	1.629219239	-1.704762796	1.086698130	0.229459037	-0.227121355
## 90	0.899709467	1.271398585	0.374992629	-0.060526833	-1.695391342
## 91	0.684917270	0.162063935	1.113439855	0.548110516	1.852465563
## 92	0.247014671	-2.279617985	0.657290810	-1.204653485	0.423801100
## 93	0.375938524	-1.186533129	-1.812191210	-0.292347988	-1.635437801
## 94	-0.692597794	0.002850946	1.822999969	-0.459637239	-1.125418788
## 95	1.065265051	-2.344003401	-0.160966871	-1.321745381	1.367707584
## 96	-1.080315782	0.492930298	-0.559285100	0.384803034	1.074283241
## 97	0.637890831	-0.087142427	0.365494659	-1.609046467	-0.223763978
## 98	0.206118507	-0.675578389	0.518286030	0.040735691	-0.543253274
## 99	-0.655042401	0.371503852	-1.198460877	-2.155497701	-1.476832081
## 100	0.256233687	-1.350540352	-0.178743814	0.623885201	-0.196329272
## 101	0.216925656	1.006444016	0.493939227	0.352714371	0.265465158
## 102	2.324214446	-0.424508045	-0.055857080	-0.276940594	-1.137914118
## 103	0.711811461	0.838659003	-0.941862062	0.240313843	-0.349709028


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## 105 -2.733695632 -0.302825572 -0.004266725 -1.452338783 1.108266049
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## 111 -0.637766332 0.914595531 1.752689219 -1.139749192 0.269381403
## 112 -1.528507746 0.812838129 -0.306813039 -0.365224830 0.012054415
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## 114 0.265717228 -0.503764547 1.286677091 0.585754261 -1.384359874
## 115 0.377139591 1.575017402 0.205434982 0.985659287 1.258476846
## 116 0.566938159 0.770159364 0.825421109 1.635534433 -0.169913883
## 117 0.324969177 1.902945257 1.477402860 1.022474309 -0.312656516
## 118 -1.053228600 1.476365417 1.500196397 -0.790028729 -0.707741999
## 119 -0.677546945 -1.494247917 0.238107434 0.102019978 0.488570165
## 120 0.591808855 1.157398014 0.048707882 -1.688793757 0.163652158
## 121 0.388041118 -1.357434303 0.321634302 0.489584581 -3.894023765
## 122 0.056018175 -0.761475579 0.331886415 0.996898314 0.961266090
## 123 -0.491137891 -0.322224793 1.260778770 -0.315718485 0.507046473
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## 125 -0.592028348 0.254189473 -0.344746674 -0.017994806 1.397635739
## 126 0.918263069 -0.405211450 0.285080877 0.778263537 1.372214422
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## 129 1.222416640 -1.278988076 1.308556063 -0.498549239 0.628994452
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## 136 1.226205898 1.713800211 -0.080082638 -2.130129017 -0.067351166
## 137 -1.094365416 0.156033486 0.177146732 -1.138170848 0.232238481
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## 146 -0.403798725 -0.588357190 1.116307188 1.078863266 -0.261159405
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## 152 -0.919445598 0.108987672 -0.192432684 -0.766171691 -0.181641847
## 153 -0.147048644 0.200859019 0.416866851 1.231253688 0.971008317
## 154 0.601725339 0.631005270 0.716540073 0.585212700 0.823676231
## 155 -0.353326460 -1.839636710 -0.140041461 0.586362697 -0.016815919
## 156 3.580888983 -0.187924629 0.591580114 -0.902172330 -0.291344812
## 157 1.264619440 1.605835202 -0.215147282 -1.437231920 -0.398248878

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## 158	-0.950329620	0.108193803	-0.801320840	-0.068799507	-0.020315364
## 159	0.155834311	-2.404380531	1.097732166	-0.103929236	0.472139017
## 160	-1.777406806	0.114939334	-1.467351173	0.219852116	-0.094305569
## 161	0.653103150	-1.799770251	-0.230789872	-0.203907541	0.018223133
## 162	1.081714849	0.525271304	-0.434292573	-1.409584846	1.021571972
## 163	-1.424649796	0.187747512	0.400371686	1.487269864	0.754631083
## 164	1.129129658	0.233469767	1.962214069	0.435778405	-0.346199949
## 165	-0.127249283	1.624275799	0.057725919	-0.026822326	0.663530612
## 166	0.066054363	-1.748534428	0.313405040	-0.753136216	0.713752227
## 167	-1.264380265	-1.257578683	0.241835920	-0.862333111	2.111121241
## 168	-1.200090163	-0.208415006	1.552910161	0.943391943	-0.518268769
## 169	-0.756056001	3.329902844	-1.043100256	0.446803291	-0.930166595
## 170	0.935962020	0.993632722	-0.085250630	-0.902784473	0.007965741
## 171	-1.805747325	0.416712153	-0.400760978	0.035602125	1.012645782
## 172	0.688836078	-1.825614694	2.953749493	0.090155633	0.058234786
## 173	0.416268033	0.953529980	-1.152179213	-1.286654715	-0.081312106
## 174	-0.512434191	0.589469173	-1.479822043	-0.467489214	-1.238979753
## 175	-0.720948619	1.282739566	0.018342545	-0.869986215	-0.013927768
## 176	0.122988344	0.019098446	-0.382501558	2.020302270	1.340657532
## 177	-0.741743869	0.318816490	1.230293735	-0.412036483	-0.049191749
## 178	0.855957054	0.745270803	-1.084027048	0.373854127	-0.286699582
## 179	1.929381822	2.201816441	-0.331663104	-0.662841830	-0.076286731
## 180	-0.483037430	0.442406500	0.436437573	-0.054467800	-0.114065671
## 181	0.669659564	1.168743124	0.477027813	0.468442503	-0.900880879
## 182	0.207985009	0.183772794	0.174221759	-0.791434346	0.232505917
## 183	0.798188574	0.929334083	0.756346041	0.433004048	0.395899657
## 184	0.521345349	0.069343433	0.797546002	-0.671283996	0.390901484
## 185	0.279813496	0.956374203	-0.493958649	-2.281543209	-1.768388340
## 186	0.344835121	-0.728814638	0.887431760	0.534573292	-0.716307978
## 187	-0.925945468	0.300167563	-1.784281088	0.378305852	1.126807731
## 188	-0.857730005	-0.404286603	0.620592734	-0.363138415	-0.828647285
## 189	-0.134540340	0.521566237	0.411585351	-0.297782943	-0.572209491
## 190	0.023793906	-0.341738455	-1.386881380	-0.455759623	-1.316375488
## 191	1.295920203	-1.000654975	0.939537564	0.700134107	-0.015775762
## 192	-0.204909214	0.351106007	-0.184860021	-0.688940784	1.145052715
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## 194	-0.017461704	0.703071415	-0.322717865	0.263768181	0.275677332
## 195	-1.739521004	0.047718783	-0.913011425	0.190351172	0.107491646
## 196	0.114709226	-0.469061646	0.809298639	-1.273917730	1.149843010
## 197	1.612405497	-0.858874895	0.402753412	-0.081001587	1.286484053
## 198	1.638472775	-0.688857647	-0.406087099	-2.753568845	-0.185345863
## 199	-0.744082579	0.293957620	1.733403401	0.064394604	2.333066697
##	V397	V398	V399	V400	V401
## 1	0.209814674	-0.597191207	-3.426235e-01	-0.040589767	0.58593735
## 2	0.215701845	-0.265103102	3.260079e-01	0.405309657	0.50046541
## 3	0.330319140	-0.085178706	1.643446e+00	0.887392815	-1.01758873
## 4	-1.090061227	-0.735715833	1.193097e+00	2.253697744	1.22635243
## 5	-0.716365839	-0.275211753	-1.558784e+00	2.337244599	1.49146934
## 6	-0.419497912	1.470510116	-9.360885e-01	-0.832224910	-0.87558760
## 7	0.373179297	0.611163468	1.407005e+00	-0.749225972	-0.18937736
## 8	-1.383142203	0.458224231	1.084846e+00	-0.061147063	-1.45802877
## 9	0.062149502	0.782750392	-1.178876e+00	-0.388802414	0.26646641
## 10	1.570951122	-0.808997484	-2.357991e+00	-0.678633298	0.11478868
## 11	0.113788779	0.531098222	4.321101e-01	0.811170201	0.93533363

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## 12 -0.660910184 0.091880539 8.332683e-01 -1.092066751 0.70863035
## 13 -0.234107312 -0.023684565 -1.596135e+00 -0.722061224 -0.87333793
## 14 -0.426453428 -0.223224001 6.810296e-01 -0.363722780 -1.06512935
## 15 0.602792052 -1.595720298 -2.030329e+00 1.344890940 -1.26220653
## 16 -0.417514131 -0.849272308 3.242485e-01 -2.158508805 -0.03272240
## 17 -0.690643633 -0.181965890 1.604306e+00 -0.917791979 -0.11156133
## 18 1.719647291 -0.174750377 -2.054443e+00 0.206900293 -1.24047169
## 19 0.142129456 1.512489534 7.488769e-02 0.858612150 0.07979153
## 20 -0.709743195 -1.271831997 2.002279e+00 -0.589296216 -2.07656467
## 21 1.520148715 1.336159515 -3.084692e-01 0.756711536 2.43963040
## 22 0.800261133 1.467176433 -3.589010e-01 0.228562664 0.02751386
## 23 0.909024692 -0.940201467 9.713619e-01 2.201735573 -0.25988561
## 24 -0.981300274 -0.354881720 -3.660622e-01 -2.464669555 0.42810583
## 25 -1.535957671 1.143113558 -7.622883e-01 0.853088689 -0.44903428
## 26 0.298865789 -2.634104069 1.021678e+00 -1.223268483 -0.22629871
## 27 -1.939917224 0.610351831 6.017920e-01 0.317864553 -0.70187345
## 28 0.660606583 -0.225154694 4.280813e-02 -0.366177487 1.13950342
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## 30 -0.722497789 -0.569873155 -8.977628e-01 0.431190927 0.58963753
## 31 -1.711105615 -0.191363591 5.646551e-05 0.606149241 -1.40338994
## 32 0.443580108 -0.086215014 -2.860407e-01 -0.030828747 0.95465940
## 33 -0.058879961 1.445352540 -1.968597e-01 1.230623935 -0.04823465
## 34 -0.068498983 -0.977274943 4.718900e-01 -0.315946026 -0.49822276
## 35 0.963819732 -0.006000761 -2.918461e-01 0.790841478 -0.07251055
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## 37 0.230396931 -0.098514698 1.975125e+00 -0.497149129 1.31258703
## 38 -0.160150750 0.254075560 -1.466964e-02 0.518236636 -0.69761477
## 39 1.617245214 -1.817016121 -6.841404e-01 -0.903196343 -0.92683985
## 40 -0.249814537 0.895996954 1.829253e-01 -0.974708235 -0.01623811
## 41 0.493323118 -0.269253067 -8.598233e-02 0.594547878 0.04392706
## 42 -0.101036341 -0.061972829 -5.253377e-02 0.433856412 0.55246156
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## 45 0.797046102 0.743262454 -6.680979e-01 -0.062389653 -0.60873226
## 46 -0.713589811 -1.030685627 9.202513e-01 -0.417009075 -0.92727708
## 47 -1.336355246 -0.094231767 5.082669e-01 0.549968403 1.33506436
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## 53 0.672000245 -0.625442411 -1.317679e-01 0.624935701 -1.35957026
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## 66 -0.488949521 -0.475421292 -4.089783e-01 2.058747380 0.03063866
## 67 0.028580893 1.239966615 -1.706633e-01 -1.941175828 -0.10133086
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## 70 0.175250115 0.507086592 3.945521e-01 1.742786220 0.26279238
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## 94 0.603351882 -0.356379170 1.515894e+00 -0.425888178 -1.74169335
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## 97 1.428386570 1.621326623 -8.479380e-01 0.150295448 -0.49695885
## 98 0.380587594 0.141113290 -5.239984e-01 -1.952708151 2.53320332
## 99 -0.060147429 -1.053900761 4.611955e-01 -0.590139662 -1.44769720
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## 101 0.063627566 0.026864548 -1.276572e+00 0.047671651 0.60817000
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## 108 -0.426549341 -0.463576085 1.112684e+00 -0.242767971 -0.96113112
## 109 -0.002478691 0.087929865 9.367244e-02 0.010120597 0.10247744
## 110 1.544966898 0.209278565 5.458640e-02 -1.092404469 -1.04153660
## 111 0.530398763 0.851146798 1.016059e+00 -0.761025474 1.64002656
## 112 1.458378938 -0.364067515 6.568558e-01 0.057467421 0.56109168
## 113 2.516615027 0.199343495 2.444259e-01 1.601367811 -0.20179810
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## 115 1.003640720 -0.840729178 -3.708434e-01 0.483489408 -0.16648887
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## 117 2.740911335 -0.664374664 -1.558049e+00 -0.759946065 0.48721532
## 118 0.053213040 -0.589832419 -1.767432e+00 -1.048865733 -0.38190672
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## 120 1.546605234 0.333109520 -3.627479e-01 -0.427710141 -2.86566965
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## 125 -0.653446712 -1.426631014 1.002829e+00 -0.544362332 0.71895732
## 126 -0.621803427 0.704054800 7.106021e-01 -0.027649963 -0.12579502
## 127 0.404297932 -1.211380653 2.488644e+00 0.668201854 0.87093062
## 128 -0.307127732 0.387822343 -1.071765e+00 1.119720157 1.34188537
## 129 1.547908762 -0.136144100 -1.369642e-01 1.042300715 -0.36791892
## 130 0.148252199 0.963959369 -1.045549e+00 0.174297355 -0.16986406
## 131 -0.929606850 -1.384887565 2.196900e+00 1.227650601 0.53487284
## 132 0.418152987 0.065657161 -3.047746e-01 1.281657152 -0.63487362
## 133 -0.386624404 -0.146627738 1.264735e+00 -0.744421342 2.85285896
## 134 -0.684159524 -0.786572034 -1.771096e+00 0.304963494 -0.24375241
## 135 0.009170635 0.630567197 -5.447377e-01 0.177576670 -1.40044297
## 136 -0.068045761 -0.173494623 -7.045149e-01 0.741761598 1.10989701
## 137 -0.641571598 -1.045481184 8.305365e-01 -0.424679597 -0.44820361
## 138 1.298245235 0.337237726 -3.017191e-01 0.375926619 -0.11230856
## 139 -0.528185988 0.771636631 1.071819e-01 -0.338212786 -0.51731587
## 140 1.249157279 -0.180677747 1.371910e+00 1.713535199 1.65727608
## 141 0.794776413 -0.148279803 8.507880e-01 -1.126268543 -0.30739641
## 142 1.202169156 0.319102915 -1.144295e+00 2.307172550 0.62836606
## 143 1.594733559 0.076449324 -7.792046e-01 0.510046313 1.36238669
## 144 0.557263963 1.136863005 -6.500934e-01 0.115591156 0.61298396
## 145 -0.686158071 1.671758976 2.823820e+00 -0.409033183 -0.81270733
## 146 0.989826642 -0.422826126 -7.244782e-01 -0.665784679 -2.40165346
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## 152 0.508844263 -0.616112601 -1.124588e+00 0.142870847 0.87587117
## 153 0.199862195 -1.722462745 -3.727776e-01 2.504705831 2.00713293
## 154 1.591828639 -0.628690980 -8.282227e-01 -1.238407728 -0.66681140
## 155 -2.331599704 -0.383133305 -1.356689e+00 -0.230058559 0.96813665
## 156 2.193508323 0.842797772 1.086133e+00 -1.196840731 -1.06461415
## 157 0.733377120 -0.068273245 1.143031e-01 -1.317706692 -1.78863656
## 158 0.116455536 -0.990484754 -1.018343e+00 0.043014206 -0.84591291
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## 160 -1.267222237 -1.923597682 -1.063019e+00 -1.147789598 -0.57502788
## 161 1.291157199 -1.482409932 -4.287545e-01 -2.407105476 1.82442148
## 162 0.729256409 0.362473125 1.536475e+00 1.617566031 -0.47438173
## 163 0.035108134 1.755293689 -1.381708e+00 -1.522990884 -0.59067817
## 164 -0.032731039 0.516497996 1.653908e-01 2.187078375 0.87096055
## 165 0.231409871 -0.773785599 -8.650842e-01 1.593720025 -1.58168063
## 166 -1.268853264 -0.006077288 3.471044e-02 -0.699231564 0.53391621
## 167 0.295615496 0.353759480 1.912225e+00 0.052122840 -1.24108316
## 168 -1.354442620 1.579668966 4.505445e-01 -1.263848671 -1.00209104
## 169 -2.354017871 -0.533136515 1.074969e+00 0.066626666 -0.56009977
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## 171 -0.390976676 -0.156386440 -5.337598e-01 -1.531824408 -0.42522144
## 172 0.007879052 -0.089823466 -1.105935e+00 -1.865343139 0.31716192
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## 174	0.978020673	0.485935629	8.005185e-01	-0.941954115	0.18185366
## 175	0.402224070	0.050205744	-1.024243e+00	1.007788932	-0.72787513
## 176	-0.472449829	-0.258266899	3.123823e-02	1.554564742	0.01519204
## 177	1.136109791	-0.558623337	-1.381863e+00	0.249384306	2.46726519
## 178	1.036564724	-1.458656661	1.474614e-01	0.935271232	0.91887137
## 179	0.329087856	-1.719599444	1.746133e+00	0.820328789	1.69667314
## 180	1.344691997	0.935654653	6.537522e-02	1.205055023	-0.44653376
## 181	-1.228196288	0.140306696	-2.878252e-01	0.052224974	0.38466561
## 182	0.791172011	0.307008085	4.141695e-02	-0.633499879	0.48424724
## 183	-0.327234410	-0.540585043	1.651965e+00	-0.533089588	0.55408463
## 184	0.699892425	0.415765562	-4.574986e-01	-0.960790581	-0.80897745
## 185	0.249620374	1.256799803	2.280603e+00	1.936580361	2.30212407
## 186	-0.419266566	0.228753567	9.977367e-02	-0.297883257	-0.61021914
## 187	0.984530083	-0.495550180	-5.100366e-01	0.231929697	-2.47927004
## 188	-0.410200662	0.581799140	-6.923007e-01	-0.231286601	1.20186846
## 189	-0.673086691	1.799535033	-1.199490e+00	-0.059536990	-0.61791462
## 190	-1.510467458	0.748371127	5.890003e-01	0.871022538	0.37233590
## 191	-0.038137774	-0.498892637	-1.484276e+00	0.036458804	-0.43760395
## 192	-1.317227617	0.624937015	1.535252e-01	-0.710876649	-0.24199673
## 193	-0.949876014	0.830339992	1.062741e+00	-0.283589280	-1.03673577
## 194	-1.405813832	1.049081365	-6.730339e-02	-1.290265151	-0.24106001
## 195	-0.781100220	0.683327406	-2.101128e+00	0.016567473	-0.93775353
## 196	-0.545825089	1.520946608	-1.900790e+00	0.525325059	-0.27342455
## 197	1.193618754	0.660993455	-1.105143e-01	2.353661823	-0.58670188
## 198	0.810433727	-2.571294841	-2.535990e+00	1.429237912	-0.54776368
## 199	-0.414187267	1.849498470	1.788696e+00	0.142865708	0.45510397
##	V402	V403	V404	V405	V406
## 1	-0.84260242	3.3172083838	-0.188018609	1.99513271	-0.347115565
## 2	-1.26035028	-0.6133574320	1.344799447	0.66863951	1.138624451
## 3	-1.67421151	0.2384230771	0.709940647	0.72300241	-0.481844590
## 4	-0.29074584	0.9427799672	0.748593253	-0.01961076	1.031314703
## 5	0.79709003	1.4513392004	0.676250237	2.16250105	-0.140069080
## 6	-1.01800102	-0.0656030139	1.007094177	0.54504140	-0.891018566
## 7	-0.90280319	2.5308711663	-0.142508895	-0.96530498	1.617188220
## 8	0.49544115	1.5212610137	-0.899139401	-0.28287908	1.300084603
## 9	0.14074122	1.7832501374	-0.308024467	1.90895153	0.542599288
## 10	-1.01201243	-0.0155239391	-0.088020916	0.15712077	0.445530564
## 11	1.28470955	1.2025797387	2.515681485	0.59478572	0.511884502
## 12	-0.37179429	1.8314654008	-0.274445161	-1.01465913	-1.929795807
## 13	1.15036342	-1.1822855452	0.830191022	0.03290049	-1.703297639
## 14	-1.02280147	0.2378955754	-0.625931030	0.58193907	0.244291165
## 15	0.94915905	-1.0643231755	-0.250077782	2.35512279	-0.570455044
## 16	-0.82129322	0.5120799903	-1.004445744	-0.70231114	1.028092184
## 17	-0.86294421	-0.4853300968	-0.974543213	1.44841818	-1.702555608
## 18	0.07718902	-0.2623624729	0.523778475	1.31747672	-0.390271179
## 19	-0.65865290	0.6989979089	0.527907534	0.48200653	-0.837410555
## 20	-0.66026682	0.9323598408	-0.388729451	-2.33870139	-0.253635235
## 21	0.57655727	1.3135688249	1.323619093	-2.02830380	1.209694406
## 22	0.27349722	-2.0815162703	-1.397826615	0.74455934	0.408192175
## 23	0.24341288	0.0786003786	0.412379429	0.49145306	0.684900248
## 24	-1.47629680	1.0436024460	0.458009347	-0.22323506	1.774461062
## 25	1.74569547	-2.6368062754	-0.156317626	-0.19359450	0.437090894
## 26	1.15411564	0.7273360810	-3.746485428	-0.98988668	0.387982991
## 27	-1.01640626	-0.4316788599	1.721169098	-0.19812064	0.088211291

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## 29	-0.34883477	0.0616163077	1.063365437	1.65401613	-0.116104748
## 30	-0.72256014	-0.4548987911	0.940546278	0.33584990	-1.086946405
## 31	1.97844880	-0.1564795252	1.212723273	0.20657772	-0.004863487
## 32	-0.02406390	-0.7351823811	-1.643908238	1.04585607	1.158539357
## 33	-0.94012549	-1.4174806057	0.542830026	0.51231062	-0.461422923
## 34	-1.66400159	0.3833645734	-0.397021891	0.98771684	-0.139761554
## 35	0.34181558	1.2085896813	-1.654873187	-1.15024287	0.180385410
## 36	0.22090251	0.4402245871	1.403529617	-0.24065585	-0.568659113
## 37	-1.36796969	0.1777755504	-0.568733640	0.85307312	-0.329588945
## 38	-0.16132017	-0.6178192474	0.190628857	-0.29743835	-0.704861608
## 39	0.47741105	0.2724880697	0.758219937	0.27408269	-1.061993922
## 40	-0.51538000	0.0951103115	-1.011879140	-0.26173393	1.249537851
## 41	-0.43780767	-0.1181247106	-0.254330410	0.17856539	-1.985765919
## 42	0.11532678	0.4532770264	-0.294015591	-0.30461006	1.241169692
## 43	-0.27494225	0.7479586098	-0.214244596	-0.23995746	-1.530789401
## 44	0.60548262	-1.3570444487	0.481314869	1.78691348	-1.813690957
## 45	1.44218880	0.9383065844	0.863474155	0.68347711	0.196396931
## 46	1.36494594	0.0229624896	0.937761333	1.39362821	-0.143306273
## 47	0.15790697	1.2750341722	0.264795686	-1.17498490	0.012185124
## 48	0.07629000	-1.3388925669	-0.325063691	1.73119818	0.444667486
## 49	0.93240015	-1.6577696740	-2.224074661	-0.97906850	0.604806054
## 50	2.40167165	-1.0597364726	-0.938883498	0.15991268	-0.046798848
## 51	-0.86671472	-0.6128409222	-1.780783612	0.53389205	-0.693383276
## 52	0.60208563	0.4790285863	1.216540684	-0.04463411	0.290595128
## 53	-0.48354870	-1.5508439515	0.064863145	-0.64112755	0.007226661
## 54	1.20065130	-0.3368822523	-0.099601860	-0.25973604	-0.413279185
## 55	1.65912389	-0.8630950771	-0.984202764	0.12600935	-0.158678634
## 56	-1.73817283	0.9871789391	1.574875577	-0.59281556	0.475580366
## 57	2.63739416	0.8740359948	-1.555355038	1.07258670	-0.644942497
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## 61	-0.21611476	-0.5087601671	-2.573524590	-0.88033437	-1.179704403
## 62	-2.96321067	0.0231721775	0.164375488	0.21934799	1.796148820
## 63	-0.05624571	-0.8221254879	-1.343828395	1.61365713	0.432307831
## 64	1.49159259	-0.4495375086	0.420556220	-1.31797253	-0.618323420
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## 70	0.79414580	-0.4231101760	0.041608150	0.31485162	-0.528242334
## 71	0.13566250	1.8585536526	-0.791674915	1.96482500	-0.189366980
## 72	0.77222302	-0.7887745522	0.486984705	-0.07984778	0.569810861
## 73	0.42073200	-0.9653925508	0.625219706	0.09672612	0.065295528
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## 76	0.38256681	-0.0619793259	-1.735666043	-0.06103314	0.693339528
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## 80	-1.00668914	-0.9690073660	-0.913551374	-0.75481667	-0.590452062
## 81	1.52266780	-0.1713513943	-0.479991138	1.40398276	1.214063187

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## 102 1.59882673 -0.0442664774 -0.233812987  0.83826846 -1.399904292
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## 134 -0.33701393  0.8722482909 -0.263708541 -0.66396574  1.488397718
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## 136 0.16519880 -1.3430109846 -1.440482316 -0.15819415 0.628197601
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## 139 0.33987489 -0.4383985124 0.550692334 -0.51136553 -2.406049799
## 140 2.28970897 0.2517144533 -1.833004995 -2.23138708 0.051757682
## 141 0.37713749 0.3784328530 0.393906460 -0.16892458 -0.785317116
## 142 2.80294836 -0.1273070211 -0.776330012 -0.58726204 -0.703290275
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## 183 -1.58998684 -0.2031453035 -0.893340316 0.99169038 0.595995611
## 184 -0.83321025 0.3726231666 -2.252793550 -0.89932299 0.300352441
## 185 -1.49812935 -0.0420769243 -0.147028515 -1.06368521 1.059985070
## 186 -0.20622342 -0.2855181246 -0.303033565 -0.80234723 0.128008737
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## 188 0.50732406 0.2289073117 1.549306201 0.16414505 1.675793405
## 189 0.51708152 -0.3583099203 -1.859130447 -0.17949863 0.040264718

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## 190	-1.09116408	0.1977685754	-0.099144416	-0.15218762	0.374166570	
## 191	-0.69912482	-0.3930791263	0.573291187	-0.94294766	0.243805465	
## 192	1.50674443	0.5497793490	-0.817540155	0.27906650	0.565052372	
## 193	0.20127328	0.2794437645	0.094111411	-0.65804109	0.542776277	
## 194	-0.30936127	0.5116382867	-0.038365715	0.22590005	-0.866724814	
## 195	0.45137800	2.3753385910	-0.951667334	2.99744269	1.405267588	
## 196	-2.61202202	0.9207270074	-0.696545440	0.33675036	0.192822033	
## 197	-0.55877624	0.8737864853	0.532551266	0.59246283	-0.368922355	
## 198	-0.59764172	0.0373681509	-1.810165010	0.01525345	1.184847400	
## 199	0.71337933	-1.2050136536	-0.247689949	0.36219147	-0.650847369	
##	V407	V408	V409	V410	V411	V412
## 1	-1.941235092	-1.40648590	0.096331916	0.92538735	-0.86709991	0.606145317
## 2	1.002454215	1.16636686	-0.144593337	0.13532544	-0.10802753	-0.248889787
## 3	-0.294496808	0.98376705	-1.564318634	-0.24403446	0.37802529	-1.869104964
## 4	-0.506796490	-0.15907692	1.421420282	0.39978182	0.74928082	2.087000776
## 5	-2.061249788	0.18408221	0.656723111	0.39628313	-1.14469040	-1.045545457
## 6	-0.336768505	-2.11301510	-0.985964945	-1.07877588	1.91736872	-0.220340522
## 7	-1.141490909	-1.88701958	-1.029863885	-1.25444800	-0.71684800	0.841432065
## 8	1.179563647	1.11317874	-2.209104307	-0.38362919	-0.36170934	0.517584713
## 9	0.193262424	0.08479417	-0.096068218	0.22424128	-0.27947950	-0.174231247
## 10	0.557497489	-1.17530639	1.141594541	-0.53509023	-1.00061684	-0.897943422
## 11	-1.154931446	-2.02500638	1.545121800	-0.04474856	1.75257384	-0.892040742
## 12	0.135836180	0.66627395	0.566544237	-1.51327161	-0.42883682	-0.864241325
## 13	-1.312867952	1.43701397	0.049511065	0.78297658	-0.90493296	-0.492393427
## 14	-1.974696701	-0.58931944	-0.504899090	-0.80836307	0.57410736	-1.192055144
## 15	-0.556395753	1.90702461	-1.398332156	0.07986174	-0.54687045	-0.324408647
## 16	0.955281367	-0.72837898	0.279497475	1.33523307	-0.48287170	-0.735345352
## 17	0.843385659	-0.31311654	-0.131515984	1.40800381	-0.94572163	-0.269589802
## 18	0.571227270	0.54156555	2.184780633	-0.05399031	2.25587792	0.575292665
## 19	-0.248114648	1.90873730	0.163258189	-0.57263209	-1.15125373	0.648374436
## 20	0.339586393	1.40946957	0.340834747	-0.23387749	0.36147940	-1.044074736
## 21	0.525249229	-0.02613705	-0.024003348	1.25484101	-0.04671314	1.230441742
## 22	0.625252124	-2.10813096	1.128920252	0.28726517	0.35244749	-2.439908543
## 23	0.943094760	0.48310436	-0.323132006	1.16616919	-0.87115726	0.091478751
## 24	1.585942656	0.53438149	0.226485508	-1.23508516	-1.03006056	-1.987020261
## 25	0.506232097	-0.31893173	-1.087239613	0.32193413	-0.06326381	0.459740579
## 26	0.936935849	0.36014447	-1.984617714	0.35900760	0.78152976	1.179035937
## 27	-0.882214268	-0.43631660	1.789516101	0.90920720	-2.13556972	0.898752747
## 28	0.669831913	1.27732279	1.094610587	-0.70844275	0.15666679	-0.798803409
## 29	-0.310334420	-1.02251970	-2.358759708	0.13043936	1.08353431	0.496631706
## 30	-0.632774315	-0.77093555	0.967886097	0.50285034	-0.98538525	0.458224526
## 31	-0.711521396	0.18316748	-0.949665695	-0.98079466	0.13702298	-1.539502631
## 32	-0.371375290	-0.38506882	-1.050461159	0.81340553	0.07903770	-0.750326569
## 33	1.781198171	-0.80530102	0.750687414	-0.23911869	-0.18318452	0.752806333
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## 36	-1.891113379	-0.43916792	0.791402824	0.51917633	-0.40227383	-0.670055683
## 37	0.435802372	0.34731538	0.974365996	0.59807928	1.62833273	1.988757469
## 38	0.006534486	-0.39152702	-1.247512201	-0.34812307	-0.82482162	1.302063177
## 39	2.320741337	-0.15994409	-0.603365796	1.53849323	0.20630069	0.528699854
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## 43	-0.909215587	-0.62255048	0.721908700	-0.83602142	0.60856155	0.004964057

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## 44 0.975604230 -0.96856499 1.399364662 -0.15634951 0.33165403 -0.343587812
## 45 -1.226411287 -0.74478172 -0.708993714 1.15830961 -1.44943051 -0.471178369
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## 54 -0.041293598 -0.06880194 1.221103928 0.83182223 -0.01456627 0.262016967
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## 56 -0.282501630 0.63286599 -0.852360569 -0.23237858 -1.04090755 0.654635714
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## 98 0.094824422 1.54135358 -1.845131450 0.04214779 -0.43269046 -0.127781441
## 99 0.213274541 -0.27618112 -0.275712437 0.47171049 -0.20688825 1.513672551
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## 138 0.073604370 0.66058458 0.045608879 0.05530129 1.50035298 2.447011354
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## 145 -1.776239267 -0.29271762 0.080147433 0.38467527 1.17611381 -0.983443941
## 146 0.852702240 -0.17931019 0.311225411 0.93904636 -2.44606999 0.859795594
## 147 0.558531508 0.34415029 -0.638872525 0.30126356 0.60569615 0.582919533
## 148 -1.010773380 -0.09925479 -0.285763814 -1.51444675 -0.71843820 -0.247148072
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## 150 0.372685161 0.16578916 2.067353055 -0.40529863 -0.14560880 -1.457170019
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## 152	0.357083880	1.05758760	-0.904358817	-0.68028611	-0.61308593	0.270470322
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## 154	0.171750024	2.69897305	1.766317077	1.06677024	-1.11718946	2.283304657
## 155	0.100028849	1.55329540	-0.322932021	-1.11120914	0.83474225	-0.498676714
## 156	0.733768005	0.64714365	-1.278079143	1.99213164	-0.53645263	-0.458007616
## 157	-0.585278255	0.36988156	0.265982482	1.46669277	-0.30519607	0.303677255
## 158	0.165557899	0.07603235	0.035761428	1.24088588	0.39593082	-0.765090237
## 159	-0.319505309	0.95680667	-0.437412512	0.23307083	0.10213667	0.400138415
## 160	-0.906550858	0.25726589	-1.116823999	0.67051381	0.48164389	-1.007228499
## 161	0.961003560	0.59251911	-0.072014745	0.18303096	0.61828374	1.282324208
## 162	-0.370336850	-0.06393111	-0.335402089	-0.25777660	-0.40917029	-0.387648832
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## 164	0.823413426	2.08676222	0.839218922	-0.70190859	0.02134535	0.060992132
## 165	-1.596043908	1.17249588	-1.021878614	0.53826132	0.88215768	-1.323991796
## 166	0.261759080	1.56443660	2.166693574	-1.01551981	1.47673648	-1.272237401
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## 169	-0.967861718	-0.17396499	0.961116619	1.26924760	1.11154674	-1.443708973
## 170	1.566354350	-0.36968433	-0.187174903	-0.11863197	0.66313532	1.409881124
## 171	-0.436960944	-0.03427450	-1.795357020	-0.24629300	1.59084895	0.280440968
## 172	-1.876301654	0.59996259	0.508713540	-0.71603549	-0.27767452	-0.271000656
## 173	-0.274407246	-1.29364652	-0.964795291	-0.07875192	2.16237779	0.678215297
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## 184	-0.173584293	0.17757768	0.389305100	1.28598958	-0.30653186	0.651329703
## 185	-1.017458106	0.01415729	0.476610661	0.91667879	-0.55954650	2.470835347
## 186	0.124714086	-1.22122613	-1.520952084	1.58177197	-0.89325342	-0.128494002
## 187	-0.064781104	-0.83870943	-0.580476430	0.55098702	0.81008599	0.559842659
## 188	2.513841210	-0.06844236	1.388817591	-1.74608932	-0.49361853	0.712314336
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## 197	0.237911906	1.21688541	1.399315291	0.32886401	0.09191538	0.188180790
## 198	-0.451194109	-1.12511853	1.216782726	0.81998559	0.87398435	0.822944388
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##	V413	V414	V415	V416	V417	
## 1	1.693779993	0.014531120	-1.318436647	0.263662880	0.2447765451	
## 2	-0.117630931	-0.873355348	-1.167394436	-1.249639028	-0.0463913949	
## 3	0.785669797	-0.372866927	-0.227806154	0.744913843	-1.0950301555	
## 4	1.030053419	-1.543401541	-0.099464192	-0.196801538	0.5445077461	
## 5	0.473086562	0.131948615	0.251393849	-0.518722375	0.0531627885	

## 6	-0.323409726	-0.722835638	-2.026571197	-0.729691558	0.2979255608
## 7	0.572332982	0.128924616	0.109270084	0.723519679	-0.8649626110
## 8	0.588542566	1.148749378	2.148947801	-0.078514756	-1.2483214428
## 9	-0.764616682	-0.019354040	-0.493155472	-1.027635951	-0.5876657131
## 10	0.932668910	-0.265686959	0.870218593	-2.149280940	-0.2886446145
## 11	-0.087586552	-0.776989549	-1.867567410	-0.028271723	1.1757219271
## 12	-1.042633082	-0.733920774	0.562827005	-0.327949083	0.4438209099
## 13	0.860677264	-0.382994449	-0.174455373	1.205720350	-0.3699173159
## 14	0.259523422	0.381456508	-0.722510145	-0.450491152	-1.6155989908
## 15	-0.588171735	1.284713308	-1.096805880	-0.201468584	1.2581850854
## 16	0.231559188	-0.035978155	-1.363431761	0.831597981	0.9025945169
## 17	-0.904869981	-2.127150025	-0.100985934	0.176347960	-1.1831193007
## 18	-1.575419993	0.916032195	-0.494434440	0.085064390	-0.5344527369
## 19	-0.934263613	2.037934445	2.686953108	0.365444362	-0.7820945224
## 20	0.028442893	0.511432911	-0.334395914	0.669928769	-0.6435079262
## 21	0.547426615	0.522394125	1.466352408	-1.342979071	0.9581064459
## 22	-0.554999403	0.515506630	-0.590633231	0.707504373	0.2958850428
## 23	-1.871091775	-0.551326444	1.450100302	-0.181323507	-0.6519298295
## 24	-0.641621583	-0.224002089	-0.567908096	0.928151934	0.8703549925
## 25	-1.427438495	-0.254362031	-2.092905295	2.132925491	0.1672027497
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## 29	1.788022976	0.155751216	-0.078318539	-0.373605271	0.8651227024
## 30	1.556976137	-1.208196366	0.140128760	0.333950081	0.5013034975
## 31	-1.058483254	-0.593973546	-0.911171586	0.111225157	-0.6742449238
## 32	2.199372148	0.503380709	0.308009642	0.312804642	0.4873475173
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## 35	-0.814046669	-0.892296270	-0.585141190	0.914579922	-0.4341730471
## 36	-0.116865664	-0.438448538	2.050156770	1.154187246	0.4186563886
## 37	0.664703956	-0.148002545	1.309460321	-0.486232284	-3.0218786415
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## 42	-0.943878440	2.218041613	-1.496573302	-0.904007045	-0.7329011790
## 43	-1.793985892	0.313743938	-1.434309744	1.111230612	1.2290245032
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## 68	1.665059439	0.571805145	0.513467377	-1.070140552	0.5002044555
## 69	-0.811967088	-0.226747148	-0.510763641	-1.115493873	1.6094353321
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## 71	0.078795537	-1.244821567	0.444816683	0.087899370	-0.6774490058
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## 95	-1.684021044	-0.392567780	0.916352255	-0.222788745	-0.7691741804
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## 194	-0.850284478	-0.139912243	0.003306956	0.349490337	0.6381124051
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## 197	-1.934645254	2.444516578	0.440509262	-0.643913622	0.5076366034
## 198	0.002766248	-0.133204294	-0.479255798	-0.266279055	-0.8473718572
## 199	0.130751883	-0.386864507	0.529559692	0.699180163	0.4450563240
##	V418	V419	V420	V421	V422
## 1	-0.319108028	-1.265951329	-0.044896571	-0.911725747	0.779867351
## 2	-0.599546057	1.226975367	1.491814206	0.809731759	0.342736983
## 3	-0.419598409	1.305021929	-1.399811773	0.436781569	-0.818413844
## 4	0.710231289	1.095765364	-0.726346287	0.479907626	-0.185376797
## 5	-0.127952618	0.204772561	-0.393171074	-0.649496870	0.773481892
## 6	-0.524065860	-0.303339218	0.663793213	0.298489823	0.415201256
## 7	0.817367917	-0.155136140	0.570920467	0.149401571	2.021887535
## 8	-0.683053020	-1.170526242	-0.348413918	-0.799651201	1.314788665
## 9	-1.431490037	1.489965044	-0.933322314	0.705920837	0.824992263
## 10	1.576984499	0.324174419	0.327276227	0.228951324	-0.467613154
## 11	1.460552049	-1.179212093	-0.505347618	1.136271728	0.475335632
## 12	-0.232900608	-1.083978630	-0.803935131	-0.563260393	-0.590996081
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## 16	-0.434437529	0.856637835	-0.098359015	0.340125780	0.718333350
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## 22	1.400114454	-1.906840166	-0.476405841	0.890305325	0.130069443
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## 25	-0.256791561	-0.364526826	1.238336349	0.721560285	-1.365728151
## 26	-1.553653636	-0.694832708	0.368173287	1.438913631	-0.055728901
## 27	0.091685801	0.306251287	1.557344529	-0.950774983	0.170753466
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## 32	0.844049757	0.504011268	0.772477022	0.953285934	-1.373151935
## 33	-1.075755855	-0.574505489	0.115417952	-0.251367939	-0.701153820
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## 35	0.006139285	1.352684122	-0.953461517	-0.718064806	-0.117083735
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## 135 -0.181078429 -1.700080540 1.287848094 -2.031054733 -1.582917040
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## 184	-0.302965026	2.633756954	-0.210433222	-1.381201949	-0.771020414	
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## 186	-1.108887910	-1.261004743	0.724578097	0.045255679	0.567510159	
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## 189	-0.890494738	-1.238114061	-1.678608058	-0.388302107	-1.650137232	
## 190	0.503715232	0.296804062	0.383913952	0.086750277	-0.804275614	
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## 192	-0.665701236	-0.569637768	-0.482984081	-1.026416202	-0.083722690	
## 193	0.058809404	-0.172546819	-1.773623959	-0.768473813	-1.156478352	
## 194	-0.403113294	0.815628191	-1.826142324	0.187333712	0.264859899	
## 195	0.002318637	-0.001055889	1.047812600	-0.852752610	1.361552572	
## 196	0.661873133	0.078402469	-1.372663933	-0.108944742	-1.178394341	
## 197	-0.188552157	0.156929185	1.209269365	-0.007861770	1.595159155	
## 198	-0.743863793	-1.229605394	-0.270056665	0.133933184	1.124820993	
## 199	0.725640246	-1.453756662	-0.209959253	0.664694501	0.291002813	
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## 1	0.38374873	0.11459180	-1.8239673987	1.379520755	-0.39581861	0.82055391
## 2	-1.19359567	-0.54472359	-1.6558184993	0.599594603	0.05379997	0.56788353
## 3	-1.51397319	1.06706911	-1.5086740763	-1.300505682	-1.14765451	0.34552541
## 4	-0.28927856	1.87010670	-0.4192173480	0.504404926	0.34569489	-0.65078732
## 5	0.65973061	-0.95728423	0.4487259126	-0.650731463	-0.03983555	0.20280265
## 6	0.25430134	-0.15687276	1.1351808851	0.171919139	1.31649504	-0.96085021
## 7	-0.26932137	0.85293568	1.2149125292	-0.095193500	-0.28708155	0.78581898
## 8	1.86403413	-0.27669576	1.7815270647	0.264261150	-0.93289870	-0.82093147
## 9	-1.25762596	-1.27397515	0.4013946328	-0.552978424	-1.32330693	0.98872346
## 10	1.00087049	-1.42860874	-0.4955407766	-0.007403036	-0.88294651	1.19982020
## 11	-0.38928956	0.88472796	0.4124851899	0.477927285	-0.65620850	-0.60491432
## 12	-0.14548375	0.36491748	0.4519393382	0.781948855	-0.87523421	-0.70590719
## 13	-0.01392160	1.33331756	0.7650634803	-0.169687913	0.09855661	0.29450554
## 14	0.77333779	-1.20582902	1.3552651030	-1.256802208	1.30705339	0.90480671
## 15	0.21276459	1.71407821	-0.5554449599	0.651968901	-0.63497858	1.01468275
## 16	-2.70849317	-2.24194457	0.5520519953	0.866543221	1.22850863	-0.33448263
## 17	1.53588607	0.25700047	-0.3816913114	-1.525254739	-0.68679028	2.14547162
## 18	0.56553235	2.14760659	-0.6098492123	1.448000346	-1.61056180	0.14860611
## 19	-0.36345825	0.08727293	0.2693293028	0.490712793	0.69267201	-2.35275372
## 20	0.29649983	-0.06320377	0.8602997270	-0.433753873	1.13115421	-1.31523559
## 21	-0.24284821	1.05820610	0.7279389563	-2.174324825	-0.35285584	0.23013674
## 22	-0.68630165	-0.99150245	-0.6343137258	-0.227308608	0.22699783	0.56269272
## 23	1.04825649	-1.23118177	1.0223410253	-1.680640170	0.56407757	-0.46128368
## 24	-1.46146074	-1.81090580	-1.5794305599	1.891126394	-0.73590069	1.34991348
## 25	-0.47829646	0.57784509	1.2099197950	-0.726811358	-3.35822480	-0.93803255
## 26	-0.53514147	1.46806464	1.6101500132	0.570780283	1.41098000	-1.14725483
## 27	-1.43526042	0.62117771	-1.6020316559	-1.362703242	0.71413299	1.50227242
## 28	0.35687450	-0.44921329	-0.5524869888	-0.760908766	-2.13032349	-0.26068339
## 29	0.30488577	0.66525972	0.0594584388	0.167340631	-1.36757770	-3.61977914
## 30	0.01476188	0.63152700	-1.3187660121	0.520323935	0.60911043	-0.21964482
## 31	-0.11396576	-0.82346288	-0.0567076804	0.626111018	1.18687234	-0.16632767
## 32	-0.28411424	0.76250478	0.6043085027	-0.009771786	-0.03219864	0.27407372
## 33	-0.35573991	-0.90202864	-0.4372076452	0.781779712	0.88644309	0.47433851
## 34	-0.46509000	0.60347900	1.4386117611	0.323472588	0.52772256	0.19245444
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## 36	-0.34855742	-2.06370561	0.0703403460	-0.744066212	0.96720704	-1.56839445
## 37	-1.44355449	0.41756228	0.9909401205	-2.795276360	-1.09475420	0.98972037

## 38	0.34462523	0.97486822	0.6743380480	0.397809855	-1.08044118	-0.74894762
## 39	-0.35466806	0.97730118	-0.5310434095	0.696728601	-0.91373140	0.85131009
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## 41	1.19022883	0.99921267	-0.0609148232	1.400400756	0.81546985	0.44222826
## 42	0.95488989	0.76694820	-1.1298061724	1.105749260	-0.35800168	-1.57588496
## 43	0.14189229	-1.04780407	0.6066970091	-0.493591565	0.53358855	1.55616894
## 44	0.82661960	0.57086981	2.1286983157	-0.460082471	0.78555338	0.81219604
## 45	0.74589408	-0.20356048	0.1952959920	-0.770414939	-0.37971147	0.42988003
## 46	0.29541519	-0.70501329	-0.7362811370	0.737110328	0.84471257	-1.39610317
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## 48	-1.37606025	0.75821634	-1.5110033211	1.113274393	0.70137795	-0.71346066
## 49	0.49148174	1.46048044	2.5456507156	0.768911680	-1.25788629	-0.33518849
## 50	-0.73566150	-1.81678257	-2.1891786624	0.211259935	-0.45738950	-1.52228310
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## 55	-0.13371149	0.47159796	-0.8097483229	0.123425848	0.95066286	0.33369002
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## 57	-2.17292364	0.11644093	1.8082143742	1.631843715	1.38482406	-0.70089552
## 58	-1.39322834	-0.50979527	-0.1449637717	0.459980055	-0.22630906	0.26635182
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## 61	-2.60161058	0.69814356	1.5205625935	0.676469759	0.70676067	-1.73191127
## 62	-1.95235506	0.71306862	1.0999519502	-1.224322616	0.39493569	-0.48277135
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## 64	-1.77913928	-0.33732753	0.2839321142	1.072788957	0.56690395	-1.59673669
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## 66	-0.18462980	-0.60239078	-0.2292920924	1.003295290	-0.37309348	1.66796465
## 67	0.36077621	0.31090205	-0.5064494488	-1.563908888	-0.83057142	-0.75767296
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## 72	-0.30835891	-0.30042368	0.3545166381	0.549311582	-0.94956700	-0.93739148
## 73	1.08149330	-0.45899885	1.2526803364	0.016757700	1.18603649	0.56084214
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## 120	-0.70022229	-1.20275299	-0.6433620334	-0.803623047	-0.86391478	-1.13429568
## 121	1.60765222	2.19602218	0.3851777758	-0.546115924	-0.06738534	1.24048114
## 122	0.04416843	1.80148357	0.4129991682	1.124790990	1.22300232	-1.16721804
## 123	0.12207803	1.58505255	-2.8493012801	-1.439067463	-1.53089347	0.11458195
## 124	0.24409692	-1.10973636	-0.5668004629	-0.635051442	-0.70282685	0.60347144
## 125	-2.53583950	0.11928282	0.2640736628	-0.595482386	0.63334620	0.48780367
## 126	-1.23533789	1.49063930	-0.5921099531	-0.146979269	0.50284707	-0.04321448
## 127	-0.91443362	0.87724415	-1.1113208447	0.251849597	-1.05075081	-0.64225417
## 128	0.19061616	0.39402780	0.2045333564	0.141503241	-0.42234127	-1.11615710
## 129	0.12741571	0.23332396	1.4513937715	1.177141913	1.33701976	-0.11516346
## 130	0.99945208	0.43792058	-0.5073572656	0.014219392	-1.85813362	-1.16647958
## 131	0.78060955	1.04957020	-0.2437976214	-0.805642734	0.30764983	0.32910046
## 132	-0.64698612	0.78948425	0.4706957564	0.482564132	1.02394256	-0.11419383
## 133	0.13543373	-0.18412874	0.5903257533	-0.209351111	1.07416928	0.88378451
## 134	-0.03504273	-0.22487387	0.8673982921	-0.654395775	2.09948817	-1.50064005
## 135	0.43396976	-1.13455240	-1.2416695802	1.386802955	-1.42141587	1.64853413
## 136	-0.42370020	-3.88308550	-0.4568230835	0.024361796	1.42128493	0.59918379
## 137	0.76932111	-1.45985789	-0.3015930567	0.130180518	-0.43858777	0.10872019
## 138	0.98682965	0.75584322	0.2551396312	2.156253530	0.88753919	1.15107764
## 139	0.02105834	-1.91989671	-0.4268209030	2.125141557	0.21644304	-0.18469799
## 140	0.64607630	2.24119198	0.2523331127	0.095631138	1.16781052	1.46072129
## 141	0.72376624	1.43275985	-0.9358070818	0.478449032	0.07798102	0.86787681
## 142	-1.28818908	0.83320946	0.7830328669	-0.715972069	0.12031122	1.30783512
## 143	-0.91018197	0.15209694	0.4080539635	0.495795254	-0.86968620	0.83555467
## 144	2.25196286	-0.71335878	-0.3315228310	0.545583271	0.59983760	-1.75528710
## 145	1.14976403	-0.23578659	1.3586017351	-0.187824011	-0.82861847	-1.11466127

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## 146 -0.93192189 1.77893066 -0.4782311579 -1.244611816 1.04963720 1.32864862
## 147 1.63978145 -0.35175380 0.0664073624 0.306325779 -2.54509581 1.10903518
## 148 -0.07954520 0.20205245 0.1832725890 1.509710573 -0.90402843 -2.38685627
## 149 0.59910611 0.10762248 -0.9068419542 1.491812953 0.38296965 -0.54417831
## 150 -1.50477911 0.39504240 -0.4367530709 -0.901806196 -0.20316717 -0.20076426
## 151 1.57181440 1.90878933 -1.1813515773 0.734199392 -0.43639547 -0.66831813
## 152 0.61860029 -0.90791816 -1.6842110319 0.150122868 0.39707722 -2.26463971
## 153 -0.75551908 0.01535314 -1.0554911901 -0.580274886 2.94850981 0.50869846
## 154 0.22622840 -2.11988654 -1.6068098511 -1.686556584 0.34076333 -1.40396484
## 155 1.00818307 -0.21169508 -0.0008213179 1.324478969 1.50150285 -0.02343535
## 156 0.47970709 -0.24251372 0.0446650885 1.605763154 -0.49156097 1.97918322
## 157 1.28947907 -0.69999949 0.4884374495 -1.829457957 0.12566078 1.30775009
## 158 -0.20808551 -0.17747069 -0.8471395188 1.544801267 -1.12371451 -2.57025405
## 159 -0.48268502 0.22788125 0.5127832652 1.703163838 -0.18866116 -1.30764348
## 160 1.08988541 0.24921532 0.0133971713 -1.341863579 -0.54061969 -0.00351206
## 161 -0.43279902 -1.25746956 -0.8857273594 1.851774238 1.51720444 0.68857881
## 162 2.29285381 -0.13808957 1.5394775470 -0.305589312 0.54604701 -0.66421964
## 163 -1.62401126 -0.85083940 0.8561083703 -0.738484883 -0.14465114 0.59784173
## 164 0.66568109 -0.45559212 -1.9572643875 0.229440156 -1.72923933 1.06634640
## 165 -0.89221582 -0.64281318 -0.4114878736 1.699583425 -1.22889567 0.34311030
## 166 0.21766805 -0.45692164 0.9086232031 -0.195480116 0.54014843 0.50865050
## 167 -0.91985310 -0.01122567 0.6346570175 -1.155621804 0.94181163 -2.29836921
## 168 0.39663491 -1.03713355 -0.3691013756 0.323727331 -0.03140230 0.08344393
## 169 0.18921277 -0.20917208 -0.1823914395 0.705934718 0.11963872 0.77945543
## 170 -1.92910139 0.08330471 -1.4836697085 0.827473982 -1.52465735 0.83632431
## 171 0.65360035 -0.51019809 -0.5186783579 0.307379628 -0.29113960 0.10617754
## 172 -0.84009179 0.71483211 1.2903082609 -1.759126595 1.32876247 -1.48415810
## 173 -2.77420716 0.89012858 0.9098253488 -0.980915623 0.14339794 0.58605244
## 174 -0.48180621 0.24368644 -0.9822206610 -0.002281708 -1.01981429 -0.24570743
## 175 1.14071922 0.40393899 0.7549525787 -1.763318136 -0.66355744 0.05114297
## 176 0.17792000 0.45975111 -1.6879511610 0.096217588 -0.48206152 -0.95155275
## 177 1.11382430 0.03574801 -0.8519978014 -1.327496000 0.89595348 0.30535856
## 178 -0.79870123 -0.08300980 -0.4540148568 -2.321758121 0.74191734 -1.69493674
## 179 0.21552178 1.97027101 -0.8997661575 1.561215833 -1.31379358 -0.37163111
## 180 -0.76374910 -1.03127996 -1.0819468940 -0.764128945 0.78637219 0.97498697
## 181 -1.61026929 0.26445592 -0.4264551830 0.732109092 -0.86057124 -0.04148171
## 182 0.42407246 1.95808777 -0.4218359338 -0.150315370 -0.15331646 0.97320783
## 183 -1.05208137 -0.10201842 -0.1604868426 0.346814346 -0.51451807 0.79551182
## 184 -0.04341506 0.19189478 1.0532779139 -0.786287772 0.85662494 -0.23379293
## 185 0.20473755 2.66034076 -1.0576569449 -1.044595924 1.05487272 -1.54018088
## 186 0.02552202 -0.62769648 1.1238652696 0.569278394 1.83645815 0.11107704
## 187 0.16930301 -1.66360063 1.1203339837 0.066786318 0.31067685 -1.12125904
## 188 0.05534869 -0.41600570 -0.5012557877 0.197462058 -0.05629843 -0.04685703
## 189 -2.36320552 0.39148987 -0.9021269182 2.572446827 0.09858471 0.76124363
## 190 -0.21136269 -0.15682687 0.7824849842 -0.195837818 -0.18821377 0.15600369
## 191 -0.52729055 0.60752921 -0.8355718785 -1.810579392 0.02848166 1.63951234
## 192 -0.13902016 -0.03747006 0.1067472208 2.476119442 -0.75535514 -0.86957869
## 193 -0.47825215 0.59468029 0.8278138635 -0.321851916 0.10404718 -1.06094861
## 194 -1.20308422 -0.57586578 0.2446570737 -0.064114463 1.38643854 1.50052760
## 195 -1.51490099 -0.34256487 -0.8619015885 -0.599152409 -0.74872849 -0.99006308
## 196 -0.27972878 -0.33170079 -0.9010029311 -1.008302253 -0.01868066 -0.31556865
## 197 -2.69401993 0.59709765 0.7285046431 0.297645494 1.86214683 0.70738287
## 198 -2.22719275 -0.72264747 1.4495461092 -0.332636766 0.05424655 -0.25620923
## 199 0.73996920 -0.51292106 -0.3361415284 0.303086995 -1.00239507 -0.30986266

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##	V429	V430	V431	V432	V433
## 1	0.410720710	1.348433338	0.593252408	-0.6559267394	-1.804767605
## 2	2.184415934	-0.403522375	0.391103894	1.6098025562	-1.364558496
## 3	1.127124125	1.120930674	0.777520104	0.0717062168	1.310173661
## 4	-0.738204472	0.573185527	0.054682492	-0.1067601237	-1.617821038
## 5	-0.191942684	1.014191019	-0.672425888	-0.4208197689	1.286155128
## 6	-0.403655373	0.989563319	0.039135403	-0.0998653476	1.455783952
## 7	-0.698278629	1.314099746	0.702984660	-2.5236783306	1.102227022
## 8	0.668208614	0.008420245	-0.188808085	-1.2454979202	0.054027201
## 9	-2.481354090	1.406968107	-0.704612224	0.4612869615	-1.283984958
## 10	1.046156066	1.361330409	2.117102952	-0.6031142787	-0.429710026
## 11	-1.227756981	-1.183061953	-0.331833970	-1.6924380396	1.472308195
## 12	1.144540786	0.469632649	1.250005154	-0.4629906188	0.516396253
## 13	-0.403437046	0.299748592	0.258071738	-1.2995768188	0.784476630
## 14	-1.040142048	0.189891685	0.079943004	0.8826153724	-0.264867206
## 15	-0.531191840	0.618746950	0.707591157	0.3091310378	1.249496101
## 16	0.808182314	-0.646836470	0.634643484	0.3366919595	0.753616864
## 17	0.672881528	1.273401562	0.735755044	0.5528207737	0.215429555
## 18	0.699298411	0.411587990	0.351770921	-0.9187771460	0.664212864
## 19	0.258821418	-1.556442715	-0.807115405	-0.0001184599	-2.621409338
## 20	0.536990744	1.653126990	-0.138650321	-0.3613539122	0.733654555
## 21	-0.329570832	-0.365910203	-1.327205580	0.1744493119	0.624646540
## 22	-0.041161470	0.387377923	0.896490370	-0.5307384291	0.677026444
## 23	0.191838530	-1.256614668	1.295791507	-1.8038203446	1.027506095
## 24	0.723202809	0.436274926	-0.659164338	0.1385347745	0.582960254
## 25	-0.172853314	1.928876267	-0.640906107	2.2644992303	0.107405629
## 26	-0.331714687	-0.001139643	-2.169851837	-0.9413008903	0.024648489
## 27	-0.142321215	0.500196442	-0.222471476	-0.3887924220	0.774506861
## 28	-1.193575734	0.237241368	0.692680735	-1.0774493900	-1.417550423
## 29	1.210984738	-0.205969467	0.219433732	-0.6972368689	-0.276537705
## 30	0.432686383	1.684398014	-1.145290211	-0.4612733736	-0.123239294
## 31	0.526348215	-0.903644572	1.179804181	0.9885485746	0.458208385
## 32	-1.932495187	0.666488627	-0.779674577	1.5898715126	-1.680133126
## 33	-0.815467110	-0.391685479	1.037566667	-1.4607190049	-3.425244315
## 34	-0.090563817	0.453274852	1.254034657	-0.0928198579	-0.769334083
## 35	-0.228764667	-0.918614194	-0.103960281	1.0804677746	1.666384651
## 36	-0.455278650	-0.425279828	-0.726542346	0.9795115624	-1.003946267
## 37	1.272982929	-1.116682371	0.233386104	-0.9273356022	-0.030921997
## 38	-1.254394972	-0.756665790	1.721851014	0.0497608548	-1.080719717
## 39	0.192894907	0.242283541	0.199393569	0.0681683456	-0.298663408
## 40	-0.666494301	1.643939670	1.176887424	-0.4216550146	1.905021951
## 41	0.679628275	-1.079956961	-0.543426453	0.5065814656	1.156679065
## 42	0.830859311	0.019212558	3.005929548	2.0230068238	-1.323271206
## 43	-1.484779754	0.704287833	0.564507814	0.2761584946	-1.661214101
## 44	0.285070977	-0.083569671	-0.649519280	-1.4726616992	1.262006490
## 45	1.814065908	-0.831685108	-1.018214758	-0.5182422478	0.019879382
## 46	-0.386736179	-1.906504855	-0.937605455	-0.7298132752	-1.023581267
## 47	0.251761459	1.209020304	1.021948185	-0.0353820520	0.392281240
## 48	-0.363514030	-0.234348408	-0.436858251	-0.2837461559	2.064640008
## 49	-0.137034548	1.534954642	0.445558272	-0.4668798653	-1.498049611
## 50	0.142501527	0.782372432	-0.047819784	-0.9271668434	0.299404192
## 51	0.598118706	1.601591487	-0.206595918	0.2810657758	0.654721327
## 52	0.211162222	-1.779541946	-0.158917952	-1.0290496343	-0.551239060
## 53	-1.659214415	-0.902223309	-2.320017758	0.3331094682	0.457484299

## 54	0.370243494	0.868723198	-1.515672830	0.4321877920	0.828266099
## 55	0.920092869	-1.677265867	-1.183446738	-0.1947186035	-0.123733964
## 56	-0.572255954	0.349633094	-0.333702167	-0.0809677968	1.882229661
## 57	-1.625696788	1.418468167	-0.717004337	0.8455790382	-1.094259448
## 58	0.602140007	-0.111147261	-0.558538732	0.0068510212	0.834645716
## 59	-1.260791755	-0.927125874	-0.144931209	-1.5284183425	-1.626949212
## 60	-0.839288877	1.274195998	-1.394639569	0.1287627656	-0.793989015
## 61	-0.619833947	2.404400074	-0.078436695	0.1663877006	-0.520660452
## 62	0.654892255	-1.062313788	0.477300255	0.3859720596	1.857778085
## 63	1.708363431	0.114074608	0.933143284	-1.6568393270	-0.333808600
## 64	0.446579741	0.358233145	0.655475352	-1.0360627771	-0.121036319
## 65	1.457769004	0.612197044	0.336838940	-0.2597670739	0.897296111
## 66	-0.668234601	0.716622063	-1.440172441	0.1555189480	0.904560557
## 67	0.285898605	1.352573020	0.654960725	0.3693210309	1.081731499
## 68	1.073635708	0.644905922	-1.300019991	0.0221014968	1.062901468
## 69	-2.425342562	-1.272678346	-0.219114478	-0.7942398435	0.039103416
## 70	1.561167241	1.405405809	1.228749845	-0.2061875036	-0.845892501
## 71	-0.717841554	-0.175395768	0.342270746	0.8635712749	1.009535960
## 72	1.262663457	0.188205871	-1.342025133	-1.3014681175	-0.203461831
## 73	-0.031594656	-1.053667011	-0.786464519	0.7030607118	0.425671734
## 74	1.543908561	-1.582295351	1.123603773	1.7506182662	-0.795563697
## 75	0.746179957	0.512978302	0.619042908	0.6636619170	-1.160239396
## 76	0.385666611	-0.672554900	-2.510251189	0.0435013710	0.101845551
## 77	-0.164802692	0.263287700	-0.632463272	-0.2804619395	-0.679780623
## 78	0.992073370	-1.641037378	-0.521498138	-0.6223757185	-0.496762081
## 79	-0.103195206	-0.908628482	-1.778236281	-0.1981900730	0.323889601
## 80	-2.321953296	-0.492421284	0.737919947	0.4277929695	-0.391684115
## 81	-0.858013053	-2.468745730	0.889548729	-1.8143011819	-1.105467735
## 82	-1.028469053	1.981021111	1.777628104	1.3652151817	0.425770653
## 83	1.410261581	0.767510982	-0.486110955	-0.0645259037	1.236036818
## 84	0.086412052	-1.391777435	-1.524762312	1.3536743820	0.603366404
## 85	1.652614803	0.166700923	0.836522842	0.7869926950	-1.481100134
## 86	-0.587650597	-2.503838814	-1.047247655	-0.2068352131	0.009341804
## 87	0.544573393	0.169776830	0.715256919	-0.9219190813	-0.425343986
## 88	0.734541438	-0.525873494	-0.801518319	-1.6620490284	-0.268847959
## 89	1.332675406	1.210240525	-0.663408030	-0.7812591425	0.579115214
## 90	1.391495186	0.302211282	0.556061351	-0.3131994893	0.088757501
## 91	-0.999320928	0.633141055	1.675283778	0.3054540161	-0.258624761
## 92	-1.339739964	-0.027043018	-0.150092267	1.1565733110	-0.017065033
## 93	-2.765473287	-0.176723647	-0.582777443	1.6602697885	0.333960410
## 94	-0.133779780	0.755913943	0.563232229	1.1733808563	-1.268343282
## 95	-0.901788795	-0.483053117	-0.044388236	-1.2343953704	0.094708307
## 96	-0.092106432	-2.073104581	1.412057186	-0.4866357272	0.114361106
## 97	-0.656124019	-1.902817329	1.349767636	0.7349277112	2.053963723
## 98	0.921229275	0.282904301	-0.807607131	-1.5269096073	1.667260563
## 99	-1.540799411	-0.384439564	-0.177224316	1.3554109333	0.925412367
## 100	0.272148918	-1.054116736	0.082688628	-0.9747781502	-1.493178508
## 101	0.699436049	0.040814723	0.979007439	-0.1436962834	0.725304428
## 102	-0.569114028	-0.117783124	0.915386514	-1.6708563221	-0.811752355
## 103	-0.550664107	0.573017224	0.296496829	-1.4318169237	-0.026864797
## 104	-0.574611777	-0.751806586	-0.819338585	-1.0209210645	0.601624738
## 105	0.270730850	-0.329660930	-0.556704993	-1.2237108906	1.729947021
## 106	-0.015864033	0.788547257	1.499814079	-0.4586959621	-1.035715726
## 107	1.607923779	-0.112639193	-1.465750426	0.4103347379	-1.050384245

```

## 108 2.048481262 -0.411096252 1.526938398 0.2730518096 0.218905915
## 109 -0.333093812 1.736437175 -0.907751107 0.3306567271 -0.710668775
## 110 -1.412907756 -1.718150503 0.572847620 1.1348100034 1.102892623
## 111 -0.261502388 0.477024959 -0.558411905 -1.9581444731 1.546554257
## 112 -0.279283724 -0.714087853 -0.547787482 -0.4797629744 -2.265979778
## 113 0.008413192 0.466917398 -0.690101922 0.5106514450 2.828309054
## 114 -0.777101580 -0.851935743 0.834807087 -1.2109176324 -2.256577684
## 115 -0.477898354 -0.952364578 0.198485003 -0.4686671181 0.904119677
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## 167	-0.015978386	-1.126746356	-1.735087018	1.4454494656	0.924069447
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## 199	-1.263843835	-0.326124784	-0.838461517	1.9629531788	-0.045381149
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## 2	0.8032713749	-0.815634533	0.49317332	-0.91242720	1.122298074
## 3	-0.4933358719	1.270577077	0.15410356	-1.07912519	-2.794491854
## 4	0.8157409450	0.535295277	1.49786965	0.78143170	1.249741827
## 5	0.4310813442	0.301163448	2.28439176	-0.11979388	1.183685805
## 6	-0.5253076163	-0.390707570	0.27561515	-1.23953923	-1.766930114
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## 8	0.3307973301	0.139029953	0.39240142	0.31145829	-0.596554915
## 9	-0.5611624410	1.451041697	0.94730550	-1.44654548	0.523596808
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## 15	0.4634918462	2.594900415	1.15398945	-0.50128081	2.347852965

## 16	-0.5526522427	1.046589748	0.24921012	-0.36029321	1.593872057
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## 20	1.5538742916	-0.064449147	-0.07601092	1.17940759	-1.722917311
## 21	0.1125336821	0.042356967	2.11734888	0.04267236	-1.700505550
## 22	0.4845099383	0.337266459	-1.48836673	0.13230497	-1.496000656
## 23	0.2849340253	0.987228368	1.82926459	-0.09331793	-1.342135679
## 24	0.4059029728	-0.862156126	0.93305806	-0.76441080	1.002414502
## 25	-1.0606844370	-0.114890846	1.88372458	0.88307833	-0.926095328
## 26	0.1086699264	2.170022235	-2.23088067	-0.41412084	0.077041142
## 27	-0.8800944927	-0.649396012	1.51841006	2.45264939	-0.844722683
## 28	-0.6392006049	1.775376534	-0.77195535	0.44229406	-0.554693127
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## 30	-0.4409491110	-0.797518252	0.24296194	-1.81617867	0.136890515
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## 33	0.0920297836	0.943512680	-0.16116165	0.81746675	0.593371705
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## 36	-3.1758019784	-0.693926677	-0.61475385	-1.22410746	1.406915028
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## 38	0.0017898264	-0.197057237	0.03283172	-1.23146169	0.122772396
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## 41	1.7202978882	0.905427046	0.80318834	-1.10131188	-0.350151988
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## 52	1.6642107667	0.276824321	-1.27637668	0.07856368	0.094264120
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## 180	0.6886219044	0.704683424	-0.40424044	-1.12489911	-1.542455089		
## 181	-0.2709413896	1.992912604	-0.02085984	2.09628129	1.384135965		
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## 183	0.0439950077	-1.005696287	-0.77750444	-1.55432333	-1.324278024		
## 184	-0.1423955137	-0.142746221	1.67912091	-1.25187417	-0.198907118		
## 185	0.2759183011	-1.208479957	0.64223561	-0.01417087	-1.243360481		
## 186	-0.5047338974	-0.148806827	-0.28483833	-0.64016568	-1.201092235		
## 187	-0.1295995180	0.358055799	-0.12113791	-0.24122460	-0.194007371		
## 188	-0.8026412672	1.805959557	1.41880788	0.20205713	-0.590417280		
## 189	1.4237855422	0.699052210	-0.26878295	0.09724900	-1.062966456		
## 190	0.6789371841	1.142111441	0.47513888	1.28127497	-1.356098773		
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## 192	-0.1533916688	-0.947895786	0.63763508	0.61409037	0.730453771		
## 193	0.2191307192	-0.909884158	-0.60234171	2.07380529	-0.592565263		
## 194	0.0117024999	-1.864923583	0.09227422	-1.25717959	-0.178678800		
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## 196	-0.3123461720	0.844979549	1.40622236	-0.44654788	0.463651809		
## 197	0.2003025401	-0.698159613	-0.52141599	-0.21562480	-0.407583763		
## 198	1.3011553793	-0.291003407	-0.33644815	-0.90808301	-0.475603242		
## 199	-0.6084407656	-0.761984600	-0.76770996	1.18867960	1.244697421		
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## 1	0.001815229	-0.823400695	0.084366705	-0.28568830	0.45171920	-0.994874091	
## 2	-0.106213257	-0.988670075	0.134466010	1.67868978	0.71688823	0.610997764	
## 3	-0.753320062	1.737286696	1.196015539	-2.95172697	-0.46970581	1.116023481	
## 4	-0.089809617	1.268085805	-0.490934714	-0.44951836	-0.63011900	-0.602203581	
## 5	-0.531099954	0.393818243	-0.796805829	0.43857378	-1.81184432	0.435704592	
## 6	0.523945013	-0.696346418	-1.202060930	-0.09978606	0.88440774	-1.015190318	
## 7	1.844341586	-0.524142569	0.797119504	-0.12864258	-1.17380752	1.858590491	
## 8	0.121561687	1.351167511	0.209089930	-0.92636507	-0.66934770	0.331087832	
## 9	-1.368415307	0.216490181	0.680250752	1.85524885	0.80527664	0.021693375	
## 10	0.390869824	1.143350153	0.126849440	-0.15658323	-0.89496434	0.857500698	
## 11	-0.201187577	-1.172760063	-0.914566183	0.38615923	-0.31405225	-0.931116942	
## 12	-0.590684683	1.257626609	1.547358671	1.49697012	-1.00721071	-0.789258069	
## 13	-0.896997791	1.080795691	-0.605143024	-1.07352805	-1.25747881	-0.295670831	
## 14	-0.050820323	0.906427973	-1.006274282	-0.22416690	1.46192243	-2.356428576	
## 15	-0.883989029	0.245983380	-0.293988239	0.91447842	0.02695985	0.630487499	
## 16	0.680164507	2.262722775	-0.770877766	-1.08339648	0.35203838	0.525981003	
## 17	0.565602037	-0.005902453	0.512633950	-0.91316868	-1.03485560	0.892746200	
## 18	0.590626463	0.299758048	-0.400013328	1.17663853	-0.43221228	-2.003287960	
## 19	-0.613111610	0.033692396	-0.435122350	1.49366564	1.35783168	0.420839799	
## 20	1.447068952	1.369436657	0.332160689	-0.53849055	0.26896703	1.039576194	
## 21	1.416880496	0.403243885	-0.328358933	-0.66246598	1.11381702	-0.608163150	
## 22	1.890360246	-0.513255769	-1.498046375	0.39739192	1.33106248	-1.941733349	
## 23	0.306704099	0.314992405	0.034334440	-0.62206916	1.22834866	0.928157106	
## 24	-0.319316668	0.733568309	-0.539846503	-1.06951097	-0.92637862	1.106727120	
## 25	-0.471445255	-0.911180193	-0.311683138	-1.17161888	1.02426814	1.331501754	
## 26	0.473485510	0.366972454	1.389736847	1.43920323	-0.56970104	-1.153338046	
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## 28	0.291360490	-1.100240753	-0.189613135	-0.62371664	-0.55922613	0.582996921	
## 29	0.898471725	-1.469058300	0.381341776	0.33702092	-1.03005172	-0.281858437	
## 30	-0.608897911	0.297606745	-1.093958952	-1.47245121	0.62668307	-1.091634899	
## 31	-0.391674386	0.641220498	0.151549823	-1.41987906	0.16868235	1.299453200	

## 32	-1.114014847	1.018399507	-0.169446331	-0.84403028	2.58185496	-0.167518016
## 33	1.406289348	-0.217706102	-0.127233410	-0.63468771	0.66208797	0.972766299
## 34	0.120429160	0.524106184	-1.240243655	-0.76039929	-2.53507152	-1.856752208
## 35	-1.191095931	1.587491237	2.708437955	-0.51466312	-0.44870585	-0.301867560
## 36	-1.081237674	0.894608368	-1.034772104	0.16244304	-0.92307016	0.617841398
## 37	-1.501352655	0.726241954	-0.379375119	-0.26430676	-0.69216663	0.638864093
## 38	-0.742256067	-0.107930184	-0.372134930	0.52321945	-1.48764306	-0.708614970
## 39	2.442713728	0.759428469	1.014924918	0.75691547	-1.28039617	-0.883277253
## 40	-2.477812305	-0.198236813	-0.182590109	0.44740186	0.19283604	0.742705676
## 41	-0.781614598	-0.403054037	-0.162860193	-0.58925148	1.43603649	-0.316289970
## 42	-0.757261017	-0.673952495	-1.413427441	-1.29924847	-0.17353276	2.162232589
## 43	0.448192740	1.227852821	-0.645428320	0.58905118	1.45506169	-0.708900059
## 44	1.526610898	0.387942396	0.009580226	-2.13574933	-0.84336408	1.639748616
## 45	-0.216482329	0.600012216	-0.166259938	-1.55441098	0.47806238	-2.076257263
## 46	0.472864506	0.221243522	0.982615174	-1.67370784	-0.34839842	0.735960303
## 47	1.141036868	-0.105178793	0.118672223	1.42505694	0.23698384	-0.688242696
## 48	-1.185488436	-0.009478343	-1.129097214	-1.30007437	-0.45319135	0.939068502
## 49	0.459043957	-0.634479149	-0.658206061	0.39806208	-0.15720948	-0.678550615
## 50	-0.611873957	0.063035063	0.129235843	-0.40453999	1.43417890	0.491839204
## 51	-0.516196145	-0.476961289	0.200032108	0.31683111	1.71715621	2.067918765
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## 53	-1.293985109	0.256504942	0.467125237	1.91499753	-0.04742320	-1.317305625
## 54	0.043449309	1.273872918	0.449810731	0.21952987	0.49543746	0.468193596
## 55	-0.109349974	0.230136811	1.316571752	0.78721843	0.87651472	0.204711878
## 56	-0.100630617	-0.093331482	-0.298275320	0.75823991	0.38941106	1.101785206
## 57	-0.278007155	-0.026469268	0.046043962	0.48552846	-0.05697641	1.101637638
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## 59	-0.543568668	-1.794640167	0.412489473	0.15552405	-0.74419165	-0.734192793
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## 62	-0.093621831	-0.972127874	0.010815520	-1.24958327	0.56212383	-0.093340382
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## 65	-0.440042145	0.441113230	1.926223832	-1.32769101	-2.10381318	-0.581146611
## 66	-0.124021016	0.872662415	-1.337080437	-0.43173304	0.45937324	-1.374586620
## 67	-1.911095102	0.668756754	-1.844545363	0.51629549	1.13584980	0.752741814
## 68	0.854410082	0.461384507	-0.061938690	0.01015087	-0.88742348	-0.552932415
## 69	1.375201073	-0.654460892	-0.087452941	0.61417442	-1.34269932	-0.632453187
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## 72	-0.862245684	-1.032219803	0.662962065	0.09416066	0.17297440	0.952400120
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## 83	-0.696012063	1.405746219	0.788433708	-0.09019754	1.40248220	-0.942087224
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## 94	-0.262267905	-1.422922237	-0.177646392	-0.43004350	1.31673958	1.316069809
## 95	-1.543689174	-1.238173691	0.236454731	0.07266412	-1.46700120	-1.412483928
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## 113	0.447707377	-0.278942878	-0.400749557	0.71521186	-0.76206601	-0.572380049
## 114	0.148253110	0.080530229	0.516358550	0.83840695	0.99524492	-0.419553747
## 115	1.406953981	-0.210084082	0.877505665	0.11226077	-0.79243285	-0.514722542
## 116	-0.020332823	-0.139762827	-0.198541461	-0.52773423	0.36178752	1.018345960
## 117	-0.136308579	1.176922159	0.506087198	-1.35701763	-0.56607951	1.815103191
## 118	-1.976860519	-1.184371667	0.975206776	-0.26101362	0.11405430	1.308640985
## 119	-0.772230978	0.466397316	0.609554971	0.91148305	1.20968832	0.707487291
## 120	-1.035557230	1.281302526	1.962918525	0.09603831	0.15692239	-0.355963876
## 121	-0.052422914	1.619402593	1.913511615	-1.29020691	-0.45553589	-0.010576774
## 122	-0.593439485	-1.934828776	-1.286016726	0.66673958	0.48617787	-0.079386241
## 123	0.690176079	-0.859167542	0.165778255	-0.78560296	-1.29417793	-0.513028439
## 124	-0.343193282	-0.494747166	1.029792242	-1.00794745	0.33661448	-0.208436194
## 125	1.559651486	0.173363760	1.721501727	-0.27809430	-0.35479103	-0.774455822
## 126	0.239690170	-0.090330198	0.786211409	0.89228842	-0.72977681	0.268977467
## 127	-0.468602388	0.174904514	-0.913304562	0.83916425	-0.83624532	0.187961036
## 128	-0.478803968	-1.968358424	0.793710138	-0.60720318	0.17948776	-0.473504840
## 129	-1.353879867	-1.635260986	-0.302338850	0.99576527	1.50576387	0.628413303
## 130	-0.633881142	-0.507169705	-0.562998412	-0.76140058	-0.55912492	0.386006827
## 131	0.999497363	2.411885182	0.653647202	0.69935039	0.88581138	-0.498062782
## 132	-0.621618225	0.149430936	0.205648338	1.02652235	1.44686018	-1.268922586
## 133	-1.379761250	-0.410288559	-0.013300557	-1.54162500	-0.87627850	-0.644609957
## 134	0.413469452	-0.073678404	0.508843688	-0.01195348	-1.60959366	1.496439017
## 135	1.968213680	-1.738055236	0.791949302	1.81082508	0.68334327	2.207597117
## 136	-2.540224532	-2.097465870	-0.038610495	0.12043176	0.28820161	-0.055857834
## 137	0.365657222	-2.074737885	0.055033719	0.17996727	0.29758481	1.161398319
## 138	0.648436238	-0.585944278	0.334030203	-0.06733258	-0.30265110	0.918204097
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## 140 2.230466941 -0.082589241 0.317400356 -0.30106010 -0.41777505 -1.098682319
## 141 -1.134534845 -0.214683508 0.449955819 -1.41491146 -0.22629964 0.835760855
## 142 0.645340081 -1.473204610 0.040785053 -0.45584365 -0.34381973 -2.545275328
## 143 1.224817241 -0.352191891 2.074453079 0.76133582 1.04407752 0.458640294
## 144 -1.230476369 -1.786585474 -0.709824330 -0.78478357 1.44344540 -0.091560936
## 145 -0.080157604 -0.741784596 -1.220216216 0.40086416 -2.58897641 0.486513090
## 146 -0.832884934 -0.869238989 -0.375493548 1.07198230 1.56464982 -0.683496553
## 147 0.449918368 1.629460078 -0.017072250 -0.11493516 1.78351126 1.584155257
## 148 0.113752210 0.988039067 -0.630721218 -1.32026634 -0.55634768 -0.764934554
## 149 1.549013838 0.794670738 0.309195739 0.51740163 0.41288509 -2.098082402
## 150 0.202643589 -0.516753984 0.954030425 0.81642469 -0.21403138 0.927340611
## 151 -0.345357416 -1.184009198 -1.712107790 -0.19188162 -0.33571879 0.400218027
## 152 0.301612619 0.290105131 0.325762009 -0.26956930 1.01024584 -1.086559282
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## 155 1.279145740 -0.988681613 1.672220258 -0.86486983 -0.15417205 1.197446858
## 156 -1.036010384 0.832846842 0.559506520 -0.18258198 1.88845209 -0.734466167
## 157 0.880018294 0.423429092 0.266647366 1.49047441 -0.42990603 0.784299126
## 158 0.354135764 0.818732655 0.865791198 -0.28670539 -1.57304442 -0.944517094
## 159 -1.427324404 0.027469071 1.212926678 -0.18041616 -1.26561605 -0.065031493
## 160 0.871000744 1.592118183 0.366228540 -0.49283773 0.74792245 1.473811499
## 161 -0.720247677 2.482670195 -0.019707314 0.31881744 0.20208115 -0.462998349
## 162 -1.363803036 0.625713983 1.453394185 0.66103179 -0.95492063 -0.063623700
## 163 0.521820609 -1.226500880 -0.453234071 -1.43293030 -1.03827620 -1.288192949
## 164 0.308600689 -0.865576852 0.924102436 -0.10923042 -1.01612657 -0.004109486
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## 166 0.814568038 -1.200012150 -1.431200627 -0.91195550 -0.34518368 1.701295470
## 167 1.223876357 -0.090716422 -0.092085165 0.49416554 -1.52530119 -0.139247621
## 168 -0.228995518 -1.672177394 0.462452778 -0.81681389 0.86470039 -0.830752772
## 169 0.959987495 0.845661706 -0.352800814 -0.22788851 0.35434246 1.944086746
## 170 0.720008012 -0.306868123 -0.704178703 -0.43536107 1.11953291 -1.642464303
## 171 -1.142266360 0.240651444 0.838021564 -0.33732936 1.86937627 0.871744646
## 172 -2.470627108 -0.542025075 2.453623508 -0.44695437 0.57119087 0.800987520
## 173 -0.137884301 -1.997027735 -0.143048067 1.00755112 -0.01571450 0.753278661
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## 175 0.946811478 0.854502969 1.502493792 -1.36907996 0.01320335 -1.392694746
## 176 -0.263240987 0.538355955 0.296803873 0.08508493 0.73379190 0.333314048
## 177 0.029844157 0.479350779 1.154727925 1.27697077 -0.74589666 1.409053697
## 178 -0.779987331 -0.965024122 1.591624058 -0.26428680 0.66016805 0.681044392
## 179 1.119795378 -0.212771585 -0.679710170 -0.03758077 0.85372237 0.054754274
## 180 0.649475127 -1.028127500 1.139899811 0.77286530 0.48921195 0.302201965
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## 182 -1.045872454 0.831112800 0.125909282 -0.23308914 0.43309968 0.381492884
## 183 0.023355533 -0.364931004 -1.316369289 0.73155756 0.74414557 -0.851492886
## 184 1.002628111 -1.487613385 0.862549467 1.99533085 0.16616739 0.263119936
## 185 -0.920172533 -0.548994648 -1.161170218 -0.63434548 1.90058917 -0.366342755
## 186 0.403352192 -0.216186547 1.084012053 0.54953228 1.10618698 -1.383058901
## 187 -2.121755266 -0.167472945 -0.836351407 -0.90116114 1.29697288 -0.307102386
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## 194	1.379237868	-0.031913182	-1.411900030	-0.54999161	0.47186802	1.203494650
## 195	1.383849208	-1.404360023	-1.170327901	-0.60069498	0.31352319	-0.379724163
## 196	1.405649043	-0.260209607	0.031561456	-0.04168529	-0.50284680	-1.415655955
## 197	-1.695272236	0.885365804	-0.253184101	-0.66233202	-0.45776936	-0.676700863
## 198	1.050003453	-0.586784196	-1.547535613	1.95247728	-0.01716921	1.766926799
## 199	-0.304867757	1.732538341	-0.531406269	0.21787846	1.17782428	0.093437785
##	V445	V446	V447	V448	V449	
## 1	-0.147032720	-0.463932368	-0.33090196	-0.905228002	0.3734143775	
## 2	0.364075116	-1.476511022	1.42060295	0.754955970	-0.7028531827	
## 3	0.021797140	-1.173055110	0.24518313	-0.390132992	0.6031961239	
## 4	0.297423243	-0.664802392	0.24510459	1.216966478	0.5897881074	
## 5	0.228271464	-2.564600079	0.16731146	-0.902316114	0.1006251160	
## 6	-0.031864165	1.319110384	-0.23824797	-0.777909974	0.0507750015	
## 7	0.802431908	-0.128463426	-0.69479086	-1.277263642	0.0207403123	
## 8	0.386843876	-1.153583141	0.77036361	-1.079213322	1.2157525831	
## 9	-1.087788475	-0.225883235	-0.42208735	1.172864514	-0.3108247574	
## 10	-0.587014152	0.690700412	0.93326426	-0.229922136	-0.8356383001	
## 11	1.521836190	-0.370431194	-0.56305483	-0.078122451	-0.6255276714	
## 12	-0.251122032	-0.271034342	-0.52611668	-3.299000426	1.6706949022	
## 13	0.013179260	1.980846902	-0.41088915	-0.516963010	2.0104291823	
## 14	-0.810836074	-0.309890339	0.37063104	1.244632486	0.5272388006	
## 15	-0.901704940	-0.441519049	-0.94708871	-1.172128603	0.5545698098	
## 16	0.858602032	0.650082050	-0.11493453	-1.807092077	-2.8002462327	
## 17	0.325527586	0.891052499	1.58148910	0.123915665	1.5329007506	
## 18	-0.292066556	1.193278319	1.46761148	-0.158096916	0.1618590604	
## 19	-0.932317522	-0.658453655	0.70712919	-0.013287388	-0.0807178541	
## 20	0.161360526	0.340376701	0.35971093	1.393152867	-1.2359542815	
## 21	0.764534815	-2.256610132	0.62589561	-0.183989130	0.0710470383	
## 22	0.254940782	-0.098092375	-0.22972588	-1.074824911	-0.0196768662	
## 23	-1.627122682	1.364546013	0.29086283	0.965453443	0.3239369678	
## 24	-0.284704843	1.410991259	-1.54167292	-0.495874165	0.2576132205	
## 25	0.026120207	-1.207003420	-0.59475540	-1.125401922	0.2232483343	
## 26	-1.346887774	0.842327477	1.00437550	-0.516742365	0.2037522558	
## 27	-0.502976949	-0.449830988	0.46770940	-0.995251005	-0.7638505241	
## 28	-1.597829200	-1.023653225	0.66714935	-0.028042434	0.6045398760	
## 29	-1.806821625	1.272109538	1.16402491	-1.393649735	1.1465220652	
## 30	0.255055979	-0.346034003	1.59440669	-0.665791402	0.2449436813	
## 31	-1.485995542	0.297410590	0.14477480	0.333158909	0.8477747235	
## 32	-1.069502602	-0.182294400	1.65207854	-0.059858757	0.0649277209	
## 33	1.016130737	-0.731233708	2.52462273	-1.087231957	-0.3893385412	
## 34	0.001119547	-1.974053563	-0.81872956	-1.377588778	1.8744289224	
## 35	1.244676470	1.673072542	-0.85508611	0.921091801	-0.2924977271	
## 36	0.720991565	0.963899324	-0.15571955	0.492297208	-2.4600486707	
## 37	-1.273240320	0.198927369	0.16298492	1.253675995	-1.1754079921	
## 38	1.202941179	-0.376178246	1.46762655	1.447329354	0.4533201422	
## 39	0.141954512	0.294731398	-0.11647227	0.789923522	-0.2431972738	
## 40	0.221813459	0.493446937	1.01742552	-1.502724850	-1.5199401266	
## 41	-1.762273786	0.673495841	-0.86365928	0.110720280	0.7128863391	
## 42	0.357327258	0.401322548	1.59869279	-0.982505651	0.9177192442	
## 43	-0.266701650	0.805438533	-0.68110252	-0.450575387	-0.9248368455	
## 44	-1.636438426	-1.663790697	1.12561002	-0.312266322	0.5362307258	
## 45	-0.924340996	-0.887005185	0.38988474	0.087348341	0.1574046916	
## 46	0.152997719	0.432752201	-0.56764867	3.479275511	0.4757324814	
## 47	0.786606085	0.506803349	0.11839358	-1.299572665	-1.0490420303	

## 48	0.946349964	0.048219251	-1.40721689	-1.106726788	0.3448968881
## 49	-0.909271836	0.623445057	1.84780911	-1.352869343	1.4571544176
## 50	-0.425662546	-0.768569186	1.27036240	-1.248670333	-0.7084143582
## 51	0.335888099	0.001476775	-2.16643927	0.218602735	1.2590784348
## 52	-0.202328936	0.703968272	0.22541731	0.574767422	0.1584059902
## 53	-0.232110325	1.655116445	-1.23783038	-0.821355436	0.1843153585
## 54	-1.188195226	-0.766773018	0.58392421	-1.155194478	1.3188473773
## 55	0.485682511	0.121665565	0.08859777	-0.757024752	0.9564043660
## 56	-0.336097234	0.085992616	-0.89755516	0.475315874	0.5662776805
## 57	-0.495550897	0.873375608	-1.27816765	0.017933690	1.0569889874
## 58	0.181324230	0.582511231	0.66765557	-0.955772210	-1.8746010046
## 59	-1.544948943	0.707558311	1.19975286	-0.004369290	0.7663643384
## 60	1.328404175	0.584474128	0.12583452	-0.439559364	-0.7809180605
## 61	-1.457554485	-0.003932165	0.27173431	0.283034264	1.3403846881
## 62	-0.410325136	-0.920831000	1.53662007	0.837148679	0.9726225244
## 63	0.131096125	0.276556797	1.01873872	1.187155402	2.1232347544
## 64	2.874486268	0.298920925	0.12884548	1.791918832	-0.7890496386
## 65	-1.663595828	-1.201886386	-0.89820759	0.860232139	0.1389089173
## 66	0.939226848	-2.278318160	1.08351014	0.053166885	-0.0286055483
## 67	-0.353393645	0.307681688	-0.83361842	-1.097649236	0.1087922147
## 68	-0.980036390	0.016745474	0.70305320	-1.005077139	1.0969203196
## 69	-0.217527243	-1.313170984	0.03083843	-0.230785094	-1.7296859636
## 70	-0.735891259	-0.254695460	-0.47218848	0.338965964	-0.8925009513
## 71	-1.955276411	0.672032907	-0.30300209	2.074204746	0.3068366524
## 72	-3.232581984	0.435526230	0.10463270	0.546201708	-0.1852765993
## 73	0.596168058	0.126371348	0.15933421	-0.123041225	1.1904985442
## 74	-0.532724238	0.163202060	0.77469708	-1.585414120	-3.0349373862
## 75	-0.301381131	-0.146224496	0.69362519	-0.971933294	0.0785265257
## 76	-1.522019042	0.221630626	-1.07440127	1.860501655	-0.6866109063
## 77	-0.854692044	0.312138356	-0.01625238	-0.085272238	1.3056926068
## 78	-0.814109578	0.204674311	0.73372248	-1.369329576	0.9035818533
## 79	0.024385584	-0.803360144	-1.59240361	1.164222099	-0.6770731635
## 80	-0.701801914	0.746158510	-1.05925349	-1.806040974	0.3444590550
## 81	-0.750638690	0.848530200	-0.60028323	0.272256000	-0.4202048529
## 82	0.190479390	1.285491486	1.00402166	0.071771420	0.5889107158
## 83	-0.266357819	-1.550376533	-0.49991121	-2.664242442	-0.1560506342
## 84	-0.258988980	0.394516001	0.67063448	1.263861830	-0.3193183523
## 85	-0.393382074	0.517848011	0.22347103	0.188448118	0.9042598853
## 86	-0.212317562	-0.956430312	2.05778315	0.222048664	1.9165969047
## 87	-1.578862477	-0.836923841	1.03535290	-1.846443497	0.4958816715
## 88	0.356162331	0.143979622	-0.11236645	0.466470177	0.0932199862
## 89	0.016934350	-1.527903237	-0.08814126	0.601849911	-0.5289761036
## 90	0.791033869	-0.941763110	0.31645698	-0.650966070	-0.2970715747
## 91	-1.412825449	0.393179126	0.37192569	-1.139849241	-0.5115340113
## 92	1.255026980	-0.830353740	-2.40596841	-0.623308611	0.0948477340
## 93	-0.319792681	-0.377148906	0.92609723	0.888837711	0.9060271448
## 94	0.755409595	-0.816858663	1.16240692	-0.438587366	-1.3524098744
## 95	-2.604719149	-0.852131301	-0.52149063	0.072922081	-0.7189398364
## 96	-0.474257435	0.563363321	-1.22433213	-2.547711789	-0.8581988085
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## 99	0.831594721	1.346578141	1.93894665	0.605629970	4.0184961597
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## 101	-0.072017763	-0.012194208	-1.12432791	0.270775224	-0.3077260434

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## 3	1.730438089	-0.8105877680	-2.1629592580	0.685070097	0.615352935
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## 7	0.801587128	-0.3064040671	-0.6280505752	0.079839536	-0.745188069
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## 9	-0.425396818	0.1333338583	-0.6600336345	1.038717207	-0.804095344

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## 15	0.267694798	-1.9502634348	-1.4813426726	-0.950415971	0.840561264
## 16	2.310153171	0.3543459821	-1.3368109054	-1.242687817	-0.073328218
## 17	0.554091642	-0.6156744575	-1.1375723679	0.616936261	0.007432226
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## 19	-0.544925119	0.4229382648	-1.3540758306	0.725208122	0.595710699
## 20	-0.436434661	0.7454447941	0.1523079540	1.439648536	0.770771271
## 21	0.704067385	-0.2336895237	-1.4570866546	-0.478990068	1.404779446
## 22	-0.162843564	-1.6391957963	-2.3733488989	-1.392127885	-1.055400222
## 23	-1.070645379	1.0559973725	-0.6991758716	-0.175483335	2.147759099
## 24	-0.519904084	-0.3026518681	0.9062635605	-1.341630324	-2.313520628
## 25	-1.517536051	0.3696604800	-0.1653049287	0.021426057	-0.187965179
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## 119 -0.208463852 0.8423127794 0.3476287091 0.108955490 0.198675386
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## 121 -1.897308774 -0.2109986967 -0.7636021425 -0.936496196 1.273587666
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## 123 -1.701902908 -1.0991422378 -0.4590682204 -0.663172851 -1.458584982
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## 172	0.964423710	-0.5471908055	0.1758649146	-1.682747102	0.072854092
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## 180	-0.253604768	0.9444332444	1.6032829884	-0.144280211	-0.266607219
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## 184	0.631270235	0.3416477322	0.0045010365	-0.506893479	-0.628198441
## 185	-0.382734364	-1.1065824025	-0.9684544668	0.874827452	1.707258770
## 186	-0.757793524	-0.0496589034	-0.2164668457	0.307921335	-0.313534757
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## 188	-0.897038705	0.1707365037	0.1939557764	0.570015685	-0.679859988
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## 192	-0.072823459	-1.0094301317	-0.5682601272	1.345078187	0.368720071
## 193	2.633111305	-1.5766298745	-0.8217140604	-2.473442506	1.088439411
## 194	0.041361309	0.0866773598	-1.4560936913	-0.929380601	0.173596970
## 195	1.668087508	0.4041339722	-0.4615053871	-1.508153953	-0.911846225
## 196	-2.080211243	-1.4999891834	1.3374206046	-0.211988542	1.721766041
## 197	-0.574435915	-1.0760848054	-0.6128372851	0.623540924	0.327692251
## 198	-0.638425678	1.1743515888	-0.9926356355	-0.500861848	0.354682806
## 199	0.379009820	0.5363632521	0.4641083001	0.362931342	1.224313849
##	V455	V456	V457	V458	V459
## 1	1.147199447	-0.413969802	-0.539520514	-0.374305301	-0.658300788
## 2	1.004042823	-1.075927097	0.115203525	0.325728232	1.729890446
## 3	-1.011624384	-0.499749275	-0.435733770	0.931122805	-1.027563510
## 4	-0.720937593	0.174108805	0.434086884	0.579708228	0.613206794
## 5	-0.571540349	-0.978798565	1.714755232	-0.141231880	-0.253530151
## 6	-0.620440224	-0.110414546	-0.798904681	0.318843941	-0.205816700
## 7	1.905967347	-1.576153765	-0.007869080	-0.130170849	0.405431367
## 8	-0.614677610	-0.203644023	-0.547894242	0.497787150	-0.081041001
## 9	0.077957586	-1.451824780	-0.022517682	-1.955248960	-0.590061476
## 10	0.634413636	-0.402066315	0.990252703	0.517797797	0.793812050
## 11	0.477483727	-2.259622070	0.819047886	0.604581253	-0.831079675
## 12	-0.108556064	1.430122716	1.045635854	0.444432169	-0.043937944
## 13	-1.234987835	-0.339565977	-1.666610865	0.564256112	-0.264282580
## 14	0.276729918	1.374371747	-0.385779459	-0.631123176	-1.085051644
## 15	-0.120644265	0.193779812	0.232491715	3.174309103	-0.109774459
## 16	-0.260071187	-2.148599209	-1.425809888	-1.722703453	-0.297380605
## 17	-0.196959557	0.552230459	0.004618158	0.744505165	-0.031174165
## 18	-0.264670317	-2.232064753	-0.993261633	-0.847663252	1.227311901
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## 20	-0.959706544	-1.092314458	-0.648885223	-0.249653242	-0.066280182
## 21	0.957902897	-0.867933151	-0.599569017	0.642511932	-0.732630010
## 22	-0.795820996	-0.661075876	0.255243289	1.124541692	1.538847173
## 23	-1.170352783	0.218326205	0.235745887	-1.533374044	0.038801329
## 24	-1.027871820	1.479930592	-0.595045565	-0.595963731	-0.291963702
## 25	0.724922866	-1.209265428	-1.183245220	-1.136109455	0.080072768

## 26	0.215594924	-0.911986030	1.304787556	0.235278055	-0.760668689
## 27	1.095487515	1.235690601	2.677985671	0.120667228	0.189100155
## 28	0.621002113	-0.381460698	0.197973506	0.679114623	-0.063577599
## 29	0.960776291	0.923754897	-0.241376460	-2.211295337	1.354259971
## 30	0.387925690	0.276685073	-1.643262876	-2.037282114	-0.965403533
## 31	1.486392997	1.318671158	-0.769761171	-0.513386914	-0.747274323
## 32	0.711864608	-0.670181774	1.284311683	-1.163572470	-0.566521636
## 33	1.364080947	-0.044917462	-0.096026062	-0.484626143	-0.652627066
## 34	1.718089734	-0.067690904	0.609470741	-0.629964294	1.519729842
## 35	2.446270831	0.883013952	-0.658064167	0.071270065	-0.944000940
## 36	-0.026800461	-1.550878957	0.676273810	0.325785622	0.975805059
## 37	-1.119806383	0.334147286	-0.651571464	0.675552472	0.894078704
## 38	-1.264446112	-0.325515074	-1.883857390	-1.648974752	0.197924977
## 39	0.727990082	-1.309581744	-1.885836655	-0.936029526	-0.030034714
## 40	-1.391925638	-1.162979752	1.041937780	-0.518915215	0.117390658
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## 42	-0.747690995	-0.498855972	-0.675800549	-1.593577268	-0.630879495
## 43	1.256940378	-1.976851678	0.936034982	1.645596571	-0.715066527
## 44	0.684754001	0.871522701	-0.411204266	-1.175862195	-1.357463926
## 45	0.280675938	-1.631300942	0.909000514	0.285109585	1.003998990
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## 47	-1.457690618	0.670081521	0.263406236	0.420447947	1.040776302
## 48	-0.410133790	1.218384119	-1.784054831	0.909042707	1.238469394
## 49	-1.555031595	0.209842237	-1.180629267	0.038529815	-1.032829856
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## 51	-0.375589101	-0.182462920	-0.593437611	1.144185927	-0.505346713
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## 55	-0.556324886	-1.218412435	0.920243501	1.410861555	-0.565618364
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## 80 -0.735826626 0.080443832 0.698429810 0.012519142 -0.165969156
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## 2	1.0771694977	-0.306644676	-0.382431654	0.135146161	1.10741029
## 3	-0.5571455274	0.384046798	0.051813792	0.183858381	-1.52306548
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## 5	0.4209069614	-0.217483106	2.272727187	1.140117915	0.11046420
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## 7	-0.1348407702	-0.861991104	0.313978202	0.260705028	0.08934772
## 8	-0.0356635032	1.168829884	2.090520701	-1.267245524	-0.25224216
## 9	0.2062683015	1.064974490	-1.011161842	0.101915774	0.11109576
## 10	-0.1294473973	-0.078966652	0.391741195	-0.280229244	1.19379347
## 11	1.2837658045	0.050037892	0.311779231	-2.245980761	-0.57106747
## 12	-0.2900362467	-0.920180983	0.345256253	-2.584128538	-0.87901319
## 13	0.6069924998	-0.658736782	-0.571449369	0.722555964	0.30544189
## 14	-0.5607836728	2.132246027	0.532402997	-0.408192514	0.20252617
## 15	0.2831653206	-1.473306399	-0.566559708	-0.275792482	-2.02460435
## 16	0.8810468875	0.138692459	0.582284797	0.532280936	-0.14421003
## 17	-0.8767525679	-0.901678445	0.413113092	0.504384085	-3.36309832
## 18	-0.9831762260	-0.434056360	-1.452347389	-0.930099562	-1.46865169
## 19	0.1234906247	-1.315777080	0.972026130	0.391658718	0.52676091
## 20	0.2634646889	-0.723920687	0.436931657	-0.430426737	-1.37155686
## 21	0.4075144788	-1.866162419	-2.156772034	0.659526196	1.65969801
## 22	-1.9812807205	-1.462294763	0.621168206	0.843254154	0.94737566
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## 24	-0.7783290185	-0.750659700	1.038513376	0.412605669	1.22494956
## 25	1.2648874916	-0.437959603	-0.550056751	-0.301173079	-0.04325271
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## 63	1.3204171808	-1.420015721	1.525889797	1.176080620	-0.81839302
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## 126	1.6999936681	-0.222731229	-0.718718617	-0.040592199	0.36933798
## 127	-1.8825387352	0.930493984	-1.098311513	-1.267911339	0.08276987
## 128	1.0839991744	1.654700125	0.982583809	-0.854095881	-1.65655444
## 129	0.1104685121	0.548282894	-1.452158517	1.927240602	-0.79989667
## 130	-0.8427527122	0.317372025	-0.007383565	-0.776577469	1.00507157
## 131	-0.7823409264	-0.256823280	2.089029706	-0.785097176	-1.22806446
## 132	1.5889664930	-0.738707482	0.842089884	0.419266454	1.04218765
## 133	-0.5834933603	0.426598904	0.997780853	0.313609104	0.61826104
## 134	0.2740033845	0.648366661	1.838125718	0.742481395	0.43058256
## 135	1.7820142453	0.411112406	-0.473669103	0.970495191	0.69774125
## 136	-0.2221223492	-0.403044581	-0.174205330	-1.480163902	0.81383814
## 137	0.4311561784	1.285928753	-0.832319928	0.402283516	0.38184629
## 138	-0.3815389117	-0.539580659	-0.017158563	-1.472543042	0.41124137
## 139	-0.8020336267	0.416998519	-0.300696977	0.420671719	-1.56545633
## 140	1.1049456621	1.138282608	-1.628651256	-1.150686794	-0.72813736
## 141	2.0377895952	0.880501923	-0.484501634	0.090032222	-0.40709922
## 142	0.9990898233	1.501246683	-0.500379461	-0.805699652	0.59407748
## 143	-0.6653061349	-1.252264035	-0.261018773	1.819371643	-0.81619074
## 144	-0.8403720050	-0.518924695	0.618446725	0.990618885	2.08728654
## 145	0.5298501665	-0.981679744	0.240098221	-0.041797850	-0.12799313
## 146	-0.7907137123	-0.420114489	0.601151848	1.496004927	-0.85318232
## 147	-0.6485390372	-0.740519588	0.279094446	0.266888633	0.88662056
## 148	0.4086977040	-0.971920937	-0.967967251	-0.187199897	1.42139033
## 149	-1.6204505044	1.221721209	1.306861946	-0.155776046	-1.42139534

## 150	-0.6903332532	-1.445882726	-1.112670754	0.150856010	0.87419767	
## 151	-2.2095589517	-1.084478463	-0.128019917	0.239906363	-0.38460509	
## 152	-0.4820494167	-0.006576973	0.312512658	0.579094754	-0.67101889	
## 153	-0.0294281966	-0.347452339	-1.123466221	-1.190226377	-0.18671482	
## 154	0.3815047648	0.913294300	0.184868722	1.272367524	1.53404897	
## 155	-1.3706843211	0.566490987	-0.261845136	0.357216638	0.60009606	
## 156	-0.6612700096	0.569241798	-0.467981506	-2.032182069	1.15785710	
## 157	2.0477160014	0.039888364	-0.448360643	1.798475089	-2.12161816	
## 158	-0.0985997623	-0.845961486	0.520171499	1.109132450	0.50987355	
## 159	0.4413861954	-2.264217699	-0.362504570	-0.403174394	2.40685201	
## 160	-1.2493626855	-0.263616886	1.018835292	1.645459350	-1.02937654	
## 161	-0.3882759762	0.906067467	0.214944089	0.732457468	0.12917775	
## 162	-2.9984762301	-0.271125082	0.096662198	-0.008255641	-0.14963278	
## 163	-1.5571777457	0.101962224	-0.431387448	0.639618865	-2.25490138	
## 164	-0.6128303731	0.223224925	-0.563432031	-0.016677759	0.01813906	
## 165	0.2007620333	1.116306418	-2.849737737	0.089648769	-0.42978154	
## 166	-0.1684333758	0.297579797	-1.246462859	-0.631805254	0.57143621	
## 167	0.2648479774	-0.695886832	0.551509746	-0.140293552	0.39969199	
## 168	-1.0701100890	0.705385997	0.902688520	0.259055656	0.88247902	
## 169	1.1424576306	-0.090551403	-0.151167464	0.497820702	1.41645876	
## 170	0.9183353972	-0.090551798	0.632613615	-2.198998826	-1.25584245	
## 171	0.0116780393	1.526996788	-0.174323881	-0.549122775	1.11734020	
## 172	-0.9288656748	0.213813486	0.112220926	1.733138846	-0.88983564	
## 173	1.2453227706	1.440297053	0.723162678	2.146441477	-1.65724455	
## 174	1.0846903041	-1.461745439	-0.492654640	0.945270421	-0.51010493	
## 175	-0.0867959434	0.609632305	0.993332766	0.813301204	-0.58444398	
## 176	-0.9855788253	1.365009148	-0.854238434	-0.121292513	-1.27952786	
## 177	0.8085515957	1.079699725	0.310702420	0.777281682	0.35890932	
## 178	-2.2478186509	1.038398563	-0.873833111	-0.189932986	0.19917332	
## 179	-1.0113975836	0.207450879	0.059260120	-0.070986432	-0.02812811	
## 180	-1.2312220432	1.733460813	-1.492219042	0.110857924	-0.63756558	
## 181	1.5111316608	0.353612390	0.353993735	1.474781154	0.79991092	
## 182	-0.0048711067	0.526187464	-0.623451089	1.795403132	0.61848409	
## 183	-0.0746731234	-1.504582811	-0.628766001	0.244227735	-1.08912310	
## 184	1.7882968487	-2.397280145	0.318301764	0.282158962	0.09624908	
## 185	0.4701253779	2.289874855	1.252242963	1.543433129	-1.46178664	
## 186	1.0894794996	-1.613339194	-1.313143606	-0.459520679	0.32811853	
## 187	-1.3447153720	-1.364437245	0.764774090	-1.325862030	0.49611809	
## 188	-0.9085591713	-2.108508011	1.695792353	-1.231542011	0.27278649	
## 189	-0.2979035015	0.859093715	-1.219728577	2.118324631	-1.17002959	
## 190	0.6518034265	0.300822226	1.183590283	0.492728071	-0.65361504	
## 191	-2.9324076390	-0.412262010	0.367142745	1.637995058	0.11930983	
## 192	1.5367684983	-0.278848801	0.899289192	0.931479532	-0.13486948	
## 193	0.2485757882	-0.856625570	0.820662968	-0.519997034	1.17020521	
## 194	-0.0460053986	1.136234465	1.303078473	0.244645879	1.49223913	
## 195	-0.3331843124	1.838649763	-0.663032554	-0.365623837	0.20679528	
## 196	0.6299930755	2.816820249	-1.021683046	-1.858162752	0.72821456	
## 197	-1.7611692283	0.994463989	-0.858265587	0.457922682	0.90235182	
## 198	-0.2323983080	-0.537301118	1.370985598	0.355455321	-1.19543117	
## 199	0.1015522820	-0.440363695	-1.465571639	0.070586730	0.84896009	
##	V465	V466	V467	V468	V469	V470
## 1	-1.100258550	1.37791886	-0.55421343	-0.071029592	-1.690606806	0.46240026
## 2	0.518133058	-0.04535232	-1.39844368	0.120353702	-1.630097882	-0.27694469
## 3	-1.467026389	-0.50523636	-0.65823510	0.361624746	0.295510776	1.20660221

## 4	0.126532964	-0.42037268	1.69555192	0.460701885	0.654330642	0.02036644
## 5	0.447068429	-1.98651739	-0.27526008	-0.041474238	0.364446262	-0.14441710
## 6	-0.027367103	0.32687718	1.31337478	-1.028755923	1.196790022	-0.77024069
## 7	-0.002684745	0.02199769	1.74827301	-1.234687856	0.338765440	-0.51495224
## 8	-1.303671376	1.66760952	-0.74747892	-2.153546414	0.650806200	-1.18970035
## 9	0.776147381	-0.45499779	-0.33095022	0.782939599	1.318295321	-0.16594308
## 10	0.603311687	1.09640550	-0.91933521	0.007677355	-0.615702651	0.65723877
## 11	0.906851953	1.67021845	-0.72675717	-1.814252127	-0.451052070	0.99177484
## 12	-1.342807664	0.36393401	1.01660135	0.986031438	-0.038249171	0.12767077
## 13	0.664439566	-0.28800070	-0.23460150	0.982312196	-0.141587340	-0.04997068
## 14	-0.573787332	-2.09470161	-2.13576153	-0.178402552	-0.031969821	1.57975242
## 15	-0.874187745	-0.18134569	-1.12896403	-0.327235170	-1.190371613	0.56546328
## 16	-0.698558626	-0.62402698	-1.36433644	-1.055582273	-0.217076002	0.33208909
## 17	-1.580962518	1.25433215	-0.93150945	0.957541404	-1.838994165	-0.51972099
## 18	0.293886783	-0.23245813	0.19047744	0.341393065	0.470242105	0.56677898
## 19	-1.378396570	0.51865967	1.36085431	-0.066603208	-1.418268167	0.95326252
## 20	0.804335435	1.16772894	-0.47880899	0.272350549	0.952420044	-0.75901025
## 21	1.122448679	0.74571983	0.11231668	-0.460807866	-0.017222101	1.28362693
## 22	-0.023235948	0.01745991	1.19206485	1.292376271	0.002660843	0.38879035
## 23	0.842761517	-0.12889678	-0.30301663	-1.956630938	-0.111102465	-0.80339762
## 24	0.151803893	0.69306431	0.92733194	-1.231111028	0.988818587	-0.50816754
## 25	-0.206762336	-1.27804843	0.37480569	-0.020044439	1.134045282	-1.65507933
## 26	-1.130847061	-1.16652900	-2.18817350	-0.735441924	2.075783183	0.52692116
## 27	-2.637722734	-1.41986303	-0.06863424	-0.464610962	0.979016579	0.44427111
## 28	-1.736693503	-1.60015479	1.66476855	2.078928946	0.239982475	0.85662513
## 29	0.378624109	-2.05603213	-1.16776009	0.068906337	-0.726732312	0.10373753
## 30	-0.124381935	-0.73581637	1.94991658	-0.861197477	-0.288273530	-0.59708368
## 31	0.340517057	0.76275823	0.30230294	0.366108591	-0.372491972	-0.47177130
## 32	-0.912898517	-0.01058081	0.62736003	1.166538592	0.603516909	0.73270179
## 33	0.256002895	-0.28413384	-0.27693147	1.620672818	-1.849630566	0.70104875
## 34	1.865768721	0.07376826	0.74174913	-0.399590480	-0.288222756	-0.82350645
## 35	0.118067901	-0.57368370	-0.87324160	0.218291701	-0.601026479	1.81996242
## 36	-0.916481245	0.06996714	-0.50369847	0.183988871	-1.233609609	-1.26035768
## 37	-0.156489356	1.77463799	-0.40414691	-0.071786621	-0.897948913	2.64059891
## 38	-1.531656307	-0.32607192	-1.93821449	-0.267585450	-0.414724899	0.48592229
## 39	0.699669010	0.64736722	-1.94061136	-0.436231812	0.249676663	-0.11319290
## 40	0.210073550	-0.17095968	-0.71505933	0.636654930	-0.604010585	-1.50729948
## 41	-1.573449412	-0.87058378	0.73560650	0.239160897	0.020016054	0.58421604
## 42	-0.003335941	-0.55852052	-0.29734093	0.164209903	-1.467528146	-0.14014269
## 43	-0.479390597	0.79710632	0.08434450	-2.242114741	-0.486840488	-2.01936394
## 44	0.169549716	0.72287905	-0.69462566	1.409350255	1.715952580	0.52619375
## 45	-0.188314942	0.18357592	0.55607964	1.370008228	-1.053589893	0.09018426
## 46	-1.130110419	-1.44868466	0.69595026	-1.497348614	-1.537632414	0.66752297
## 47	0.500839329	0.65062256	0.30282034	-1.175684545	-0.609196029	-0.30250941
## 48	0.019736680	1.02243639	2.29636156	-0.030701408	0.728677505	0.08829902
## 49	-1.137912139	0.12766290	0.69291054	1.359406922	-0.762916492	-0.34126412
## 50	0.342554451	0.74100858	1.41867241	-1.370241916	0.309782142	-0.65653789
## 51	-0.005791704	-1.92442116	0.26956374	-0.431078663	0.865190671	-0.66909699
## 52	-1.627443951	-0.18383660	-2.60061894	-2.115971512	0.355797760	0.58625487
## 53	1.154953913	1.56193125	1.17944410	-1.151166500	-1.889214222	-1.17655028
## 54	0.483007137	-0.62893096	0.45259707	0.007385350	-1.545472281	0.21625543
## 55	-1.415041933	0.61814396	0.81571879	0.246314086	-1.371895735	1.48045889
## 56	0.684522297	0.49569188	-0.40013948	-1.757854126	-1.552569838	-1.04099533
## 57	0.301860180	-1.12190420	-0.19630496	-1.692480674	-0.624346115	0.64900540

## 58	1.119247524	0.06647336	-1.13075402	1.213277008	-1.048957799	0.27970709
## 59	-0.367324465	0.47928424	0.28514310	0.092419019	0.016417827	-0.37770352
## 60	-1.887663595	0.48834694	-0.01536234	0.711123675	1.411284151	0.56037541
## 61	0.334669475	-0.52214409	-0.95844327	-0.133482981	-1.059181093	-0.66800672
## 62	1.011453783	-1.20168827	-0.94131646	2.381229021	-2.281083061	2.37537982
## 63	-0.350336334	2.28071450	0.15670521	-0.723486355	-1.113707837	-0.75621469
## 64	0.247870105	1.61217905	0.61730204	-0.952903620	0.917352098	-1.01524457
## 65	1.867471390	0.07566682	-0.22664550	-0.871602397	1.867122616	-0.79999959
## 66	0.054043776	0.73431461	-1.69202439	0.532723950	1.142806408	-1.30931426
## 67	-0.277753729	1.24671415	0.41303579	-0.977797347	-0.748439941	2.57292703
## 68	-0.171557871	-0.37535481	0.21057895	0.540854060	0.654715448	0.50367424
## 69	-2.267338114	-0.70567430	-1.29613242	-0.397944971	0.208591465	-0.16287010
## 70	-0.668693752	2.52836721	-0.24156000	-0.309148178	-0.168933783	0.79695699
## 71	0.863480523	0.91894111	0.16221557	-0.936459902	2.168486030	-0.28840594
## 72	-1.923799445	0.41817247	1.69331291	0.424255383	0.776581597	0.25730058
## 73	0.351016631	-0.43859206	-0.67214772	-0.050040980	-0.298669882	-1.92987339
## 74	1.348117269	-1.07288742	-1.25104329	0.918752541	-0.882654593	-0.33137210
## 75	-0.223722251	0.69580516	-1.65223869	0.824269862	0.136472919	1.76807627
## 76	0.111029953	-0.24017801	-0.44938602	-0.399975323	1.397377309	-0.56559501
## 77	0.312942355	-0.87512818	-1.36591805	-0.045926221	-0.003388461	-0.15946458
## 78	-1.522377946	-2.52722765	0.13437859	1.144156043	1.351999284	0.28623132
## 79	-1.800546802	-0.29657912	0.87200646	0.614454718	0.257621492	-0.85732985
## 80	0.497813071	-1.44751573	0.73540944	2.538445957	-0.683310156	-0.42151447
## 81	0.206752251	0.93501469	-0.34182456	0.618008623	0.852489831	-1.23331054
## 82	0.074785651	-0.49994720	0.75179007	-0.766141682	0.405669324	0.69722916
## 83	-1.105955317	-0.88285108	0.68841655	0.037249727	-1.682111100	1.88839600
## 84	-0.317643798	0.71141276	-0.05188973	0.458461902	1.592186499	-0.02169952
## 85	-0.772524584	-1.10772770	-0.31561021	-1.199241548	-0.408821930	-1.36730514
## 86	0.849548350	0.82499475	0.86030310	1.901885414	1.828977131	0.43835032
## 87	-0.555978696	0.46510133	1.20664520	0.664938447	0.165199255	0.10878769
## 88	0.952373906	-0.02282553	1.71900896	-2.600513378	0.221387306	-0.71729596
## 89	1.666927647	2.06997909	0.01336874	0.454846854	-0.764125972	-0.52818141
## 90	-0.754310839	-0.55977874	-0.74439489	-0.640386363	1.660799064	-1.12999413
## 91	1.042024554	0.91973478	-0.26283184	0.317813233	-1.805994700	-0.42014224
## 92	-1.013965368	-1.06301667	0.99145296	0.208407817	-1.240253920	-0.98236638
## 93	0.557204959	0.13233550	-0.04606262	-0.761224634	0.870741584	2.04608984
## 94	0.553203716	-1.18120565	2.06235184	-1.766170473	-0.817391478	1.90673497
## 95	-0.435084470	-2.31096648	-0.84571309	-1.109828257	1.237597965	1.38993543
## 96	0.611727954	-0.42048718	1.84205776	-1.657308330	-0.933142551	1.20275416
## 97	0.093407581	-0.38438416	-0.58009797	0.183686058	0.365464834	-0.45104734
## 98	-2.641975659	0.65879505	0.23481414	0.015077138	0.259782680	0.87826937
## 99	-0.242553908	1.33097449	-0.61701987	2.359478930	-0.382022700	2.42881037
## 100	2.131110049	-1.02090496	-0.38621397	-2.017460911	0.619137054	0.60159141
## 101	0.698198485	-0.25348221	-0.26533100	1.109621968	0.733532239	-0.97060900
## 102	1.460512462	-1.01417343	-0.50406869	-0.208558902	1.295725260	-0.79742070
## 103	-0.889432147	-0.73681915	1.50904082	1.986369691	0.211234309	-1.03723014
## 104	1.302504744	0.08243736	1.34175143	0.094748676	1.710318854	-0.12373301
## 105	0.965728568	-0.02837775	0.28724945	-0.562798508	-0.574219426	0.95638368
## 106	-1.590429473	1.03973661	-0.18552719	1.030253892	1.442352231	-1.96849648
## 107	0.263340924	-0.58438566	0.67207058	0.369597389	0.298763426	0.04500231
## 108	1.822584544	-0.48199907	1.54199427	-1.258384519	-2.093871095	-0.30379277
## 109	-1.300140290	0.04194196	1.20467658	-0.819390827	-1.844102019	0.28731340
## 110	0.510170526	-0.22109070	-0.43480461	1.386722932	-1.088121097	-0.41885422
## 111	-0.263715691	-1.83729431	0.61582733	-0.728550975	0.544453087	-0.21410654

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## 112 0.431500705 -1.83160427 0.08531688 -0.901930887 -0.656365911 1.22264018
## 113 -0.242485267 1.23424563 -0.14742194 -0.325344871 1.474864755 0.47441507
## 114 0.061329219 0.19154927 0.34236480 -2.326521834 1.386631444 1.18998164
## 115 -0.133574198 0.32299358 0.11178843 -0.499600814 -0.643122279 -0.15557972
## 116 -1.220102760 0.05406101 0.71328152 -0.317523876 0.995133106 -0.05142546
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## 118 0.406916878 -0.38869914 -0.05583538 0.719555743 -0.775090843 -0.91201451
## 119 0.753034490 -0.38349322 -0.37693564 2.021847943 -1.718240756 -0.88476577
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## 123 1.088252188 -2.06602893 -0.86251238 -0.721867656 0.388292545 0.08669350
## 124 -0.471095217 -0.04579280 1.17977823 -0.757418451 -0.568633611 1.31234505
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## 128 -0.321248314 -0.14514243 0.02298488 -0.331557406 0.288854120 0.64529619
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## 198 -0.206766405 0.70308179 -0.06857852 0.992202957 0.738252460 -1.38182278
## 199 2.616354339 -1.00834014 -0.91983424 -0.576625293 2.083497248 0.01700820
##          V471          V472          V473          V474          V475
## 1  -0.3044798841 -0.610803607 -0.361816621 0.69195006 -0.61530945
## 2  -0.5380100858 1.071653256 0.758057112 0.44805652 -0.22096170
## 3  -0.3663615883 0.062207916 0.264588526 0.46998212 0.37860366
## 4   0.9688905753 -1.055093604 -0.270886833 -0.75377118 -0.25016114
## 5  -0.1426970002 -0.465190202 -0.571006321 0.66264469 1.32145671
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## 10 -0.7039123023 0.106485954 -1.391512803 0.85001406 -0.19723299
## 11 -1.2863872399 -2.354476509 0.956789114 0.81000495 1.56759836
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## 17  0.7686142405 0.881396660 -0.661286490 -0.16051737 1.49198258
## 18 -0.9373217244 -0.950801554 -0.586676187 2.76507859 1.00389969
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## 23	-0.9964190336	-0.130869014	-0.208692853	0.01281636	-0.67533181
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## 25	0.2874814861	-0.228503947	0.177247052	-0.17058513	1.19897143
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## 27	-1.3268955393	1.212651422	1.940610509	2.60785451	0.09491748
## 28	0.7926493536	-0.301141963	-1.503248521	-1.13186140	-0.01616372
## 29	0.6189205345	-0.939836853	1.128737413	-1.67566346	-2.06312259
## 30	-0.6684853397	0.723133604	0.934098083	0.73056061	-0.76262562
## 31	-1.3898349720	1.325171566	-1.543648059	-0.84438630	1.43766435
## 32	-1.0152077776	-0.165661561	1.400874178	-0.73434927	-2.62518606
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## 36	-0.5457006361	1.027254990	1.689104304	0.03100884	-1.04506898
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## 41	-1.9633734803	-1.484062701	-0.407118298	0.85950663	-0.44229772
## 42	0.8426159082	-0.691777930	-0.560425601	-0.48985232	0.10433158
## 43	1.5801890380	-0.070556713	0.786065797	-1.27320621	0.57686864
## 44	-0.4900390452	2.230732723	2.536108132	-0.14140340	0.24165316
## 45	-0.7096907275	0.117790982	0.802635816	-1.00617789	1.57377323
## 46	0.1653560056	-0.041921243	0.712469876	-2.14631354	-0.64057011
## 47	-0.7321301797	0.622094267	-0.217435287	-0.79512179	-0.62343146
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## 54	-1.4913420227	1.165175599	2.614987698	-0.34373945	0.61871216
## 55	-1.3472111112	1.876478220	-0.023179521	-0.67331544	0.53722242
## 56	0.6544236120	-0.543729764	-1.491776742	-0.63672029	-0.19878312
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## 60	0.5266209911	-0.575218762	1.094418923	-0.94840670	0.93998199
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## 64	0.1718264313	0.567876329	0.920441586	0.43309544	0.37131890
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## 68	-0.2365192723	-1.157062730	1.842251869	-1.21985397	-2.40539813
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## 73	0.7320413609	1.246816278	-1.090487658	0.78456754	0.99301043

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## 74 -1.3464958099 0.225412174 -0.430359145 -1.38538786 -0.61877721
## 75 0.0284953836 -1.456473845 2.477414537 0.69760764 -0.24307709
## 76 -1.8599719671 0.425691858 -0.655818723 0.67061942 1.96629165
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## 83 2.1440118555 0.931382081 -0.207131661 -0.14270976 -0.74832854
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## 94 -0.9665149512 0.058036719 0.981553177 0.10904498 -1.28893453
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## 98 -0.4517871448 0.553462151 1.075581187 0.66860878 -0.30532820
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## 114 0.4663840442 -0.943656031 0.222160120 -0.37456782 0.47112792
## 115 0.0273015527 -0.176538736 -2.870312340 0.05545878 0.57424754
## 116 -0.1780483674 -1.053584411 -0.407436062 -1.19359088 0.15344621
## 117 0.1630420356 1.576922740 0.633898744 -1.28947425 0.36212960
## 118 0.4691207360 -1.399800625 0.260432820 -0.07272453 -0.41159954
## 119 -1.1260469311 0.253015681 0.137440792 -0.11376873 0.37030101
## 120 -0.1265945928 -0.405563848 -1.392274926 -0.55149075 -0.97602330
## 121 -1.3096941519 1.053071429 0.397903005 0.85240365 0.10788187
## 122 0.2749028330 0.835368157 -1.364268877 -0.38108377 1.43833452
## 123 -0.7600047492 -0.866297612 1.386694138 -1.53349322 0.55310472
## 124 0.7706980528 1.358713415 0.886542920 0.98620135 2.05783938
## 125 -0.1459133561 -0.266579781 0.273533471 0.39351281 -0.31494791
## 126 -1.4631498563 0.584610729 0.610833478 -0.08479927 -0.81675451
## 127 -0.9775235697 1.031788995 0.642017341 -0.60751543 0.43919639

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## 128 1.4530789808 -1.448858209 0.183559974 0.54255948 -0.59190889
## 129 -0.0955503580 -0.536622981 0.040152129 1.26377546 -2.56120477
## 130 -1.8107845695 -0.449760206 -1.002206680 -0.23677580 0.36674294
## 131 0.9397299499 1.471669799 0.028846610 -0.41709761 -0.07175071
## 132 0.5881645728 0.180399441 -1.040196190 -0.49328967 2.40529099
## 133 -1.0402527854 -0.376271243 1.421204688 -0.90977989 0.66450560
## 134 0.5537724024 2.366827503 -0.815103578 -0.16468078 -0.13635174
## 135 0.1851224532 1.237201618 0.925224820 -0.10458607 -1.88634656
## 136 1.4484702070 2.208306312 -0.606923836 -0.10126301 0.08086929
## 137 1.0395527513 -1.411574743 -0.209969789 1.09607382 0.49419327
## 138 -1.2917059900 -0.526664321 1.910885605 -0.31590919 0.83521452
## 139 1.7148225293 0.702359772 0.568763721 -0.15039265 -0.03758191
## 140 -0.8782420666 -0.439122710 -0.604696368 1.81265145 -1.17452667
## 141 -0.1635107061 0.364723925 0.905930692 -0.73751495 -0.20302093
## 142 -0.6094087959 -0.225593505 0.191245489 -0.20129470 0.38273164
## 143 -1.0269842535 -0.574076700 0.304238115 0.74612434 1.56150101
## 144 -0.3362278177 -1.027675815 -0.013622207 -0.94612922 -0.03831231
## 145 0.4173076704 -0.652183957 -0.652967480 -0.76283692 -0.49205682
## 146 1.0153257151 0.196827155 0.112284261 -2.38503606 0.63736251
## 147 1.2313120622 -0.304158949 0.594090850 0.30299062 2.02124509
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## 149 1.9927200703 1.252939104 2.001172152 0.14396465 2.94498107
## 150 -0.6453849556 0.267504723 1.354364910 -0.18699983 -1.03282933
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## 152 -0.0137981473 -0.324971793 1.340663142 0.31601925 -0.15539837
## 153 2.3605160864 -1.420753231 -0.544275759 -1.44144910 0.93021551
## 154 0.9130387779 0.556252970 -1.384744068 0.29900890 -1.21815283
## 155 -0.2301902870 -0.854056899 0.522649366 0.83228317 0.86367776
## 156 -0.3361882353 -0.078266881 -0.348466423 0.72770309 -0.44710063
## 157 -0.1121065820 0.261950884 0.346016166 -0.79881352 -0.53938287
## 158 -0.4326838462 1.199125274 -2.004158730 -0.57890577 -0.29061922
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## 162 1.5352029336 2.152242513 2.800587481 -0.30605652 0.45044363
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## 164 0.6198293051 -0.112334103 1.332967059 2.23051962 -0.51033893
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## 173 0.1319834476 0.879671876 -0.313167468 -0.32555485 0.48609313
## 174 -0.1592938311 1.027150572 0.318393729 -0.60177119 -1.35873512
## 175 0.4695174121 1.137684763 0.339347113 0.31769099 0.16660191
## 176 -0.1345916368 -1.487179389 0.451549883 1.56881623 -1.36421459
## 177 -0.0519940343 1.324843774 0.009363509 0.69642629 1.08460570
## 178 -0.1056424313 -2.436460614 -1.602131632 0.21882866 0.43152406
## 179 -2.8138882824 -0.022260080 0.912200662 0.14363244 0.49235833
## 180 0.4795197833 0.173825782 0.158523793 0.33391881 0.31675644
## 181 -0.6602405993 -0.192193914 0.224983705 -1.38875797 -0.01284593

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## 182	0.5976927993	-0.650971606	-1.787700037	1.41946036	-0.43732921
## 183	-1.0918521686	-0.968402987	1.471661898	0.67022645	-1.50554605
## 184	-0.1205651727	-0.330351411	-1.549873560	-0.19091338	0.58878311
## 185	0.5439093038	-0.850583868	1.067119954	-1.43948356	0.87160471
## 186	-0.2272478050	0.840219461	-2.059868029	0.53708836	-1.23440663
## 187	0.4488254776	-0.087483733	-1.220640992	0.26766036	-1.04112514
## 188	0.8827117563	1.094240475	-0.197035319	-1.36534978	-1.05436457
## 189	-1.0558915959	0.140280581	-0.397942987	1.22037611	-0.33524750
## 190	1.5931389891	0.215272107	1.332007135	-0.57537838	-0.75787615
## 191	0.2361865156	0.015345772	1.048141114	0.07421504	0.17232753
## 192	-1.4337270791	-0.675775583	-0.101888886	-0.03169759	0.07493192
## 193	-0.8299335837	0.053916026	0.824074924	-1.11223681	0.06902552
## 194	0.4550088070	-0.031243205	0.420834905	-0.39328631	-1.70186178
## 195	0.4765805362	-0.563628712	-2.328214288	-0.15856557	1.34529063
## 196	-1.9346188929	0.982217325	-0.139782422	0.46972801	0.48336678
## 197	0.0604560278	-0.361009576	0.413141566	0.38412519	-0.11020318
## 198	-0.0627902232	-0.478441684	0.777473719	-0.76946624	0.79016800
## 199	1.4541225234	-0.051775783	-0.853622542	0.14354465	-0.64675909
##	V476	V477	V478	V479	V480
## 1	0.982549918	1.333084133	-2.612353e-01	-0.54629764	1.806286836
## 2	-0.218626925	0.178680693	-1.150782e-02	-0.38775457	-0.008014072
## 3	0.640690712	0.668227486	-1.611470e+00	-1.47643643	-0.732180034
## 4	-0.690444852	-0.578293387	4.763566e-01	0.75109205	-0.032143838
## 5	0.211966348	-1.082916040	1.385776e+00	-0.61685912	-0.491183386
## 6	1.030879982	-0.643928773	-7.068033e-02	-1.13988858	1.277061689
## 7	0.707700649	-0.285864261	-9.370236e-01	1.14640335	-1.324208155
## 8	-0.448769932	1.230550923	4.139581e-01	-0.91281522	-2.992520661
## 9	0.794421736	0.557671387	-4.079046e-02	0.72860334	-1.496714661
## 10	0.596385763	-1.012330739	-1.106933e+00	0.35851549	-0.651461031
## 11	1.657352376	0.432463287	1.581323e-01	0.65118485	1.776873689
## 12	-1.397412998	1.949046640	6.194429e-01	0.01280341	1.229558987
## 13	1.803557274	0.870148770	-4.239764e-01	0.20502589	0.675104417
## 14	0.496210602	-0.744849774	-1.192592e+00	-0.74163821	-2.299043311
## 15	-1.760647883	-1.826144510	-1.972825e+00	0.63175355	-1.045373501
## 16	-0.780102459	1.493939017	7.328694e-01	-0.20149744	-0.212975288
## 17	-0.725216904	-0.474731905	-8.931923e-01	0.15192472	2.437394170
## 18	1.243979443	0.244293825	-1.428948e+00	0.37819915	-0.142175994
## 19	-0.136554445	0.834105897	-3.063274e-01	-0.98035706	1.163905214
## 20	-0.275835981	0.114164191	6.772872e-01	-0.67860908	-0.278418732
## 21	1.179759532	0.090002849	7.557318e-02	-0.19985164	-0.363892587
## 22	0.164142469	-1.777781885	2.086335e+00	-0.55809521	-0.758662059
## 23	1.321607324	0.479285264	1.241295e+00	0.15596726	-0.132181024
## 24	0.485727548	1.866624661	1.060940e+00	-0.25968389	0.854913191
## 25	0.091002663	-1.411421991	-7.652317e-01	-0.74485110	-0.705346984
## 26	-0.643637080	-0.989633497	-5.290590e-01	-0.39542384	0.064577402
## 27	0.641813865	0.361690668	1.595723e+00	-0.01681047	-0.920845482
## 28	-0.802667741	-1.694198570	-6.884814e-01	-0.41100462	-0.270349568
## 29	-0.425375034	0.781071692	-4.421445e-01	-1.85605955	0.566721105
## 30	-0.396822238	-1.908080544	4.013934e-01	0.81582053	-1.136592002
## 31	1.037414336	-0.378135564	-6.902320e-02	-0.16113863	0.723596393
## 32	0.535476092	-0.303445426	-6.737414e-01	0.85535988	0.164425806
## 33	0.097421951	-0.125954824	5.983551e-01	1.39421014	1.002389851
## 34	0.285684840	0.358449455	-1.163795e+00	-1.40526470	0.403948497
## 35	0.101131206	0.530001885	-8.751941e-01	-0.29049337	0.611943261

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## 36 -1.715548774 -0.352155545 -3.548553e-01 -0.22930119 1.440366513
## 37 0.004264284 0.845979746 -3.840565e-01 0.01423128 -1.224499677
## 38 0.370333507 0.061794244 9.553025e-01 0.11217101 -1.187611155
## 39 0.321286325 0.536815962 -2.948033e-01 -0.25169923 0.378026216
## 40 -1.065014812 -0.614333612 -1.119760e-01 0.76434868 -0.212659429
## 41 1.659845905 1.145202236 -1.135248e+00 -0.63682507 -0.171900085
## 42 -0.082595184 0.076193131 9.127530e-01 -0.85784519 -0.547153516
## 43 1.163592764 -0.673956314 -6.762879e-01 0.04427502 0.387907287
## 44 -1.036373963 -2.444406919 6.021186e-01 0.18945537 0.052633570
## 45 0.463613499 0.952391119 3.059419e-01 -1.29547636 1.005951887
## 46 0.312996333 -0.145341570 -8.829490e-01 0.44738239 -1.723596908
## 47 0.838737726 0.526629116 6.122255e-01 -0.10234960 -0.497443539
## 48 1.708458093 -0.840327471 2.012764e-01 -0.10031950 -0.429364075
## 49 -0.234942385 -0.346459641 4.690110e-01 0.55717656 1.113225314
## 50 0.441460273 -0.236163199 -1.331816e+00 -0.19788120 0.630360986
## 51 1.638601779 0.779187378 1.281029e+00 -2.13710878 -0.065283899
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## 54 0.720904709 -0.619193930 3.137427e-01 4.96495504 0.757020847
## 55 -1.415870737 -0.226351329 1.072926e+00 -0.61780992 1.351137182
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## 61 0.388368246 1.185253054 1.135952e+00 -1.96144265 -1.099979821
## 62 -0.390341069 0.908851112 8.361860e-01 -1.79785562 -0.193097024
## 63 -0.392675630 -0.262317492 -3.790256e-01 1.16049666 -0.448577358
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## 66 -0.546521545 0.791902326 7.992212e-01 -0.56292058 -0.076856275
## 67 0.859676938 0.282674827 -2.102503e-01 -1.58165086 0.533354432
## 68 -0.421801592 -0.594220676 -1.697830e-01 -0.54523014 0.408218412
## 69 -0.577215519 1.390047107 6.818165e-01 1.05901163 -0.262617228
## 70 1.205881576 0.171475646 3.106484e-01 0.95964659 -2.201884694
## 71 -1.220006505 -1.618302466 -4.981047e-01 -0.31879517 0.953702101
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## 73 0.773151157 -1.584408006 -2.518646e-01 -2.00591237 1.124995763
## 74 0.631898775 1.522764561 -4.804144e-02 -1.17001139 0.609224593
## 75 1.969364194 0.043312116 3.653844e-01 -0.88938093 -1.201281318
## 76 0.917046621 0.790988522 1.123420e+00 0.57608633 0.268955674
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## 81 0.123182130 0.088713290 -8.676858e-01 0.25535305 -1.748885537
## 82 -0.381239461 -0.106743498 1.382462e+00 -0.28187652 -0.075795632
## 83 -0.218255211 0.990967489 1.946128e+00 -0.56706944 0.163196895
## 84 0.697822681 0.476188128 7.631449e-01 0.61527025 -0.183410410
## 85 0.733511336 0.922811516 4.242653e-01 -0.03094807 1.552423529
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## 90 -1.391051921 -0.075777971 -3.805112e-01 1.02365228 1.309109777
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## 94 1.109287336 -0.040052679 1.785470e+00 -0.56560391 -1.619228555
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## 97 1.385039068 -0.022413811 -2.733708e-01 0.85340272 0.477163152
## 98 0.655789478 0.262609503 -1.530649e+00 0.19548243 0.982977491
## 99 1.556715469 1.374746422 9.618658e-01 1.16022484 -0.180966611
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## 101 1.136978483 -0.299635971 -1.050788e+00 0.20833065 -0.548841144
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## 106 -1.704393228 -0.567791627 1.211349e+00 -0.09954937 0.056559992
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## 108 0.384373606 1.054392792 -1.350973e+00 0.56329052 1.015076373
## 109 0.655331607 0.852143006 1.078764e+00 0.23267031 -1.507743953
## 110 0.516628475 -1.034295184 1.289587e-01 1.48556911 0.126324393
## 111 0.373037318 -0.336796703 -3.395165e-01 1.43199979 -0.461616127
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## 116 -0.059095707 0.928417758 -8.498213e-01 -0.31369065 -0.999397118
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## 118 -0.793373344 -1.678187357 -2.968918e-01 1.07623477 0.804160778
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## 122 -0.365843261 0.667312881 -5.546001e-01 1.25364025 -1.592432506
## 123 -0.690902689 0.539745726 1.345571e+00 1.32546252 0.074647143
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## 125 -0.004619286 0.380668619 -7.339458e-01 0.01182367 -1.292587139
## 126 -0.950890180 1.092027227 5.433356e-01 0.85455742 -0.888816342
## 127 0.729295367 1.269065510 -6.410899e-01 -0.94462628 -0.319370064
## 128 -0.043244505 -2.986003612 8.077758e-01 -0.48610350 0.457064717
## 129 -0.092297806 0.551286122 -5.881544e-01 -0.51085903 0.185381330
## 130 -0.381645142 0.642426972 1.304940e+00 1.02450061 0.904448338
## 131 0.878260326 0.451162384 -1.252564e-01 -0.10201480 0.045342343
## 132 0.620707301 -0.654394716 -2.089393e-01 -0.73080344 -0.410859872
## 133 -2.004640575 -0.471601415 7.403064e-01 0.92873987 -1.029813700
## 134 -2.240888832 0.544124588 1.303564e+00 -0.18446326 -0.932617933
## 135 -0.567242571 -1.129184107 8.455107e-01 -0.23518075 -0.545826517
## 136 0.621232583 -0.245617994 3.527003e-01 -0.22292695 -2.703602723
## 137 1.914465904 -1.071223610 -9.714630e-01 -0.22133293 -0.293897279
## 138 -0.600757164 -0.047291083 -1.000432e+00 2.38281355 -0.374200942
## 139 -0.077417623 -0.741571388 -6.152797e-01 1.99475460 -0.327551200
## 140 0.182493466 0.011512560 1.036721e+00 1.35946962 -0.982079546
## 141 -0.273338018 1.802715721 1.149308e-01 -0.88813438 0.239242209
## 142 0.356837064 -0.995104004 -7.770388e-01 0.25610591 -0.097150591
## 143 0.235489517 0.135040226 4.526994e-01 -2.44805228 -1.154000256

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## 144 0.962832193 -1.089135396 -1.759939e+00 -1.19758817 0.286016800
## 145 -0.635373955 -0.465992063 -1.240222e+00 -1.78003438 -0.012307323
## 146 1.005721135 -0.900017607 2.513896e+00 2.02012970 -0.454910263
## 147 -1.090374623 0.242915254 -6.574916e-01 -0.04130719 1.887356421
## 148 -0.281534666 0.606138226 1.503606e+00 -1.66925067 -0.420932972
## 149 -1.123653900 0.449664160 -4.982500e-01 0.83094670 1.094197905
## 150 -0.323932366 0.170057664 -5.265491e-01 -0.08908437 -0.593790583
## 151 -0.744276095 -1.212937730 -3.279971e-01 0.36217209 -0.777725675
## 152 0.097173321 -0.990045026 6.915334e-01 0.89701208 0.962879353
## 153 0.245098866 0.828827652 -2.556307e+00 -1.08349577 -1.502258581
## 154 -0.570744185 0.903850621 -9.717755e-01 1.53361622 0.329538444
## 155 0.574949042 0.792334250 -1.342215e-01 0.15142989 0.155564330
## 156 -0.537783632 0.728789909 3.431415e-01 -0.27247165 -0.214008331
## 157 -0.318882073 0.701390535 3.928013e-01 1.24868784 0.112848928
## 158 -1.561914714 1.009014051 5.040700e-01 0.15310232 -0.047241759
## 159 0.428533705 -0.518461552 2.108822e+00 -0.68353425 -0.714118769
## 160 -1.138075244 -2.318072506 1.893170e+00 1.68020204 1.009616206
## 161 0.632322884 -0.221041960 -1.632488e+00 -0.35828417 -0.123265743
## 162 -0.867730385 1.458762797 2.150921e+00 0.53990166 -0.085335186
## 163 1.182677629 -0.004898566 1.122396e-01 0.61801312 0.251311737
## 164 -0.563838514 0.247067427 -2.742866e-01 0.05453675 0.769054555
## 165 1.291749279 0.557016231 -2.266299e-01 -0.22669304 -0.669555283
## 166 -0.823340152 -0.391802320 1.871345e+00 1.21623825 -1.441519372
## 167 0.540806223 -2.208129953 -1.061718e+00 -1.14744382 -0.607750225
## 168 0.629780543 -1.000053520 -3.159336e-01 1.03549663 1.721995637
## 169 0.475534179 2.130398513 2.167963e-01 0.01858795 0.738433409
## 170 0.894077078 1.711561902 -1.300755e+00 0.39835077 -0.009864943
## 171 1.051312754 0.101156925 -8.507471e-01 -1.03488232 0.206041508
## 172 -0.597273619 0.369513377 2.195203e+00 -1.77748063 -0.617483501
## 173 -0.088760907 1.105218639 1.537381e+00 -0.47849678 -0.149236147
## 174 -1.123540674 0.368316547 6.752255e-01 -0.70636777 -1.218836521
## 175 1.275060785 -1.147529915 9.973217e-01 1.65525710 1.210864891
## 176 0.369404643 -1.329445058 6.521560e-02 1.09930114 -0.368928563
## 177 1.205266341 -0.924511635 -1.097075e+00 1.38968287 -2.485825721
## 178 -1.188117615 0.508718111 -5.729055e-01 0.05433991 -1.560585336
## 179 -1.635368465 -0.526051136 8.247948e-05 -0.10296106 0.084217923
## 180 -0.867118696 0.582523630 5.137905e-01 1.16505131 0.798981065
## 181 0.088280239 1.252017760 -2.313126e-01 1.12328923 -0.278600089
## 182 0.715296922 -0.822221128 9.776785e-01 1.63158945 0.884710934
## 183 1.571112841 -1.507418451 -2.033926e-01 -0.43663604 0.864952848
## 184 1.027069487 -0.524480471 3.939195e-01 -0.04982803 -0.006333087
## 185 -0.306924146 -0.160696845 1.617599e+00 1.67581824 1.128979911
## 186 0.287019651 1.427760372 5.894803e-01 -0.19601375 1.244141608
## 187 0.866149397 -1.823774863 -1.653050e-01 -1.53566511 1.935098161
## 188 0.226714707 0.518983388 6.241229e-01 -0.54289803 0.726262568
## 189 0.578158308 0.246082258 4.626335e-01 1.60254713 -1.358684401
## 190 0.206869417 0.145961276 -1.109126e+00 0.19591860 -1.452068259
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## 198	0.028787800	-0.440579117	1.156203e-01	1.38058185	-0.182092138
## 199	0.669539711	-0.110786857	-6.299176e-02	-1.89791327	-1.581038762
##	V481	V482	V483	V484	V485
## 1	-0.9661560304	-1.042535084	-0.293682607	-0.459923076	0.250050339
## 2	-1.8413720788	-0.793539261	-0.351151577	-0.020722274	1.357792204
## 3	0.8255385233	-1.256093548	-0.406944180	1.576651653	-0.358731032
## 4	-0.6784140100	-1.043338097	0.662526786	-0.704766851	-0.724402068
## 5	1.2249083590	0.937246772	1.712890707	0.226882902	-1.968387484
## 6	-0.0056386509	0.424541994	0.134273827	-1.422008336	-0.308533805
## 7	1.4273875566	-0.224227542	-0.647857817	0.433728664	-0.127294139
## 8	-0.0970036469	-0.174108889	0.141152929	-1.267410871	0.849189897
## 9	0.0886647195	0.344690107	-0.702995354	-0.365519238	1.692377449
## 10	1.6831202032	-0.869197795	2.580642092	0.006364823	1.780253581
## 11	-2.2475302265	0.743474603	-0.023891124	0.615602793	0.098619830
## 12	-1.7659646130	1.073709943	-1.423785575	1.108312400	0.292959507
## 13	-1.5686122140	0.104197738	0.409776161	1.195182189	1.617541978
## 14	-0.8653632733	-0.579165046	0.940162516	-0.985037751	1.545048894
## 15	-0.6784539690	0.809403669	-0.126648120	-0.369854442	-0.311761725
## 16	-0.5668461180	-0.103528156	-0.506408045	0.549964493	-0.572434754
## 17	0.1676507598	0.480719349	-0.384144806	-0.905648430	-0.104733824
## 18	0.1501540660	0.250716296	0.379632132	-0.901758961	-0.310598379
## 19	0.4119561749	-1.446052282	-0.474648784	-1.054522656	1.169965006
## 20	0.9895928287	-0.762020136	-0.781265614	-0.074199706	0.333145715
## 21	-0.7416296964	-0.782239623	-0.500008388	-0.204730327	1.884347797
## 22	-1.2205989250	-0.174929634	-0.818919100	0.231424042	-0.241724899
## 23	0.1122988637	0.192931767	1.513066792	-0.658411648	-0.325954772
## 24	0.3550764878	0.571365151	-0.307587501	-1.611576772	0.397835469
## 25	-0.0311091856	0.244982810	1.289328925	1.121762223	0.400939171
## 26	-0.3481833831	-1.375160328	1.958301530	0.667417610	0.666182194
## 27	0.2622085592	0.308723783	1.345585862	0.783903385	0.403782989
## 28	0.5385576428	3.722329196	-0.365449414	-0.049340530	-0.259813119
## 29	0.4460087318	2.047049412	-0.898635158	-1.068469422	-0.863726711
## 30	0.4713848547	0.075419836	0.564229324	-0.266178640	-0.562806148
## 31	0.4012746225	-2.343058984	-1.037617818	-0.856004931	0.434849133
## 32	-2.4429198020	1.132031551	-0.521902781	0.086918702	1.528657185
## 33	0.8640696693	0.792143315	0.295743027	0.420332332	0.337330957
## 34	-1.6174777577	-1.929112761	-0.048931353	-1.508818363	-0.805668359
## 35	-1.0362232039	0.455797857	1.860573604	1.069099651	0.066198686
## 36	0.4844992543	0.243475573	0.183664317	-0.866445033	0.197563707
## 37	0.3123834279	0.972449705	-0.072026898	0.904267186	0.700031234
## 38	-1.0278792543	0.970794861	-0.632033353	0.795805678	-0.679151831
## 39	-0.3972400763	-0.742588016	-0.426961635	0.479021673	0.342887557
## 40	-0.0102571739	0.426046466	0.169891040	-0.453893583	-1.216253799
## 41	0.2870137236	-0.977026420	-0.793857073	0.598438077	-0.071728486
## 42	-0.8301259764	0.218570789	-1.532646639	0.960786303	1.126895367
## 43	-1.6071122004	0.656562623	0.496762647	0.665092064	-0.474659464
## 44	-1.6724040379	-1.214996541	-2.587191035	0.078400580	-0.186757976
## 45	-1.8243270386	1.192705902	0.173715146	-2.087106202	1.706783022
## 46	0.0573885960	-0.750062777	1.624442991	-1.004950191	1.319803370
## 47	0.0468563240	-1.062276437	2.053264462	-0.081597270	-0.321757185
## 48	0.4946916826	-0.086290238	-0.216309604	0.600970265	-1.086778337
## 49	-1.1297584592	-1.579709211	0.636788398	-0.664624316	1.543785281
## 50	-0.0124807607	0.518623341	0.461042482	-2.073911366	0.009444242
## 51	-0.6913463622	-0.568942226	-0.092775214	1.258951707	0.698844632

## 52	0.3208973170	0.085699482	-0.239379998	-0.304520231	-1.548749007
## 53	-0.8371158219	0.479953177	-0.491440186	-1.356600544	-0.003333455
## 54	1.1073791950	0.481449173	0.164536351	0.595352396	-1.390806441
## 55	1.7503814105	-0.366773207	1.631361167	0.139021766	-0.515495725
## 56	0.0487206797	-0.402667131	0.077642219	0.077997146	-0.783621615
## 57	0.1867185410	-0.001523315	-1.175567015	2.156750231	0.930984498
## 58	0.0769574650	0.519422330	2.481137676	1.653980924	-1.083673871
## 59	-0.6801137555	0.685936457	1.271542863	-1.026263761	-1.504626778
## 60	0.7405036940	-0.154000770	0.247315353	0.623721185	-0.331762415
## 61	2.4525602211	0.237248793	1.286458914	0.200313853	0.583511465
## 62	0.7200592363	1.490150603	1.212441973	0.531380456	-0.486828999
## 63	1.5438624373	0.428187289	-1.404539773	-3.962218246	0.436532838
## 64	-0.7122611062	-1.218835714	0.092808278	-0.973869321	-0.542657395
## 65	-0.3625004102	-0.819182997	0.794883327	-0.192581713	1.237266583
## 66	1.8265962356	-3.240914340	-0.288884304	-0.052305348	0.305476212
## 67	0.2167789163	-0.181395046	0.591890361	0.543188188	0.281608507
## 68	-0.7209736632	-2.537577283	-1.077984570	-0.016780076	-0.085801827
## 69	-0.3289130372	0.694679182	-0.946952693	0.420307059	-2.356365199
## 70	0.4046751833	-0.563122981	-0.009706973	-1.105100018	-0.860836903
## 71	-0.2220764243	-0.419630860	-1.929595240	-0.468399979	-1.642718938
## 72	0.3595284866	0.858002123	-1.214091521	0.779244463	0.193258267
## 73	-2.5212790138	-0.269535876	-2.085588384	1.258876847	0.181656207
## 74	0.4695924798	0.150296370	-0.283648931	1.355773268	0.766272895
## 75	-1.1952421888	0.092510431	-1.075936507	0.060499951	0.596197531
## 76	1.4053039149	-0.151630690	1.066479249	-2.860105192	-0.590284334
## 77	0.4583474083	0.421402686	1.009854229	0.652755968	-0.356837329
## 78	0.2476956510	0.249025370	1.387506656	-0.430367449	-0.571225286
## 79	-1.6171527233	0.163177257	-1.514862933	-0.511792744	1.127528983
## 80	-0.1586316130	-0.791851233	0.485687538	2.233010056	2.238805938
## 81	0.0997186798	0.167477561	2.003019094	-0.332478660	-0.898639802
## 82	-1.1755756460	-0.046548344	-0.037715135	1.290379005	0.168451810
## 83	-1.2941062470	-2.140185556	-2.879835087	1.207971688	-0.539133002
## 84	-0.7735112442	-0.544418195	0.083462441	0.258013120	1.025564443
## 85	-1.1421684884	-0.992584637	0.219492940	2.497033134	-2.065505985
## 86	-0.8203703158	-2.423098725	0.809808687	-1.135745780	-1.179161942
## 87	1.1678991695	0.152596527	-0.321773986	-1.924919018	0.710337770
## 88	-0.3564742761	1.145914198	-0.166801951	1.882879649	0.138846605
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## 90	1.6429878603	-0.297865800	1.722420853	0.609975921	-0.383805658
## 91	-1.8708789851	0.793387601	1.894084783	-0.716188249	0.684317689
## 92	-0.2497488016	0.470416297	1.578403336	-1.306396087	-0.317711983
## 93	-2.9556225394	0.734183490	-0.898077116	-1.545547208	1.333572687
## 94	0.3563955502	-0.360960978	-0.719151144	1.252431059	-0.885295498
## 95	-0.9275467762	-0.344215540	0.204944280	0.322809913	-0.233965950
## 96	-0.7841478348	2.242270217	-0.699397890	2.227367836	-1.299207812
## 97	-1.3970388962	-1.569351429	0.389161905	-0.673914257	1.340421619
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## 99	1.0525380976	1.789390961	0.262967313	-0.722938655	-0.682901186
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## 106 -0.4669549657 1.897926257 -0.647286627 -0.821681946 -0.404985039
## 107 -1.0419309114 0.216301515 0.043484791 0.943408404 1.936614697
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## 137 1.5538961050 -1.059283105 -1.784235308 -0.853850212 -0.074739406
## 138 1.1206047695 1.456197069 -1.683798258 0.662655908 -0.510371724
## 139 1.0169191076 -1.010592213 -0.227076804 0.332581293 -0.654115182
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## 143 2.2877291591 -0.059705165 0.562843960 1.394891638 1.297694786
## 144 -0.2404273105 0.227857683 1.054877642 -0.433292249 0.788231203
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## 146 -1.0599622558 -0.984687986 0.299265132 -0.012848779 0.901043607
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## 151 0.0707901821 -1.802550621 1.501666418 -1.865063677 -0.600390862
## 152 -0.5367485486 0.756681435 -0.091138835 -1.188367396 -0.133114993
## 153 -0.6579615485 1.673014722 0.915420535 0.521004632 -0.970914088
## 154 -0.2151877207 -1.163242277 -0.497534743 0.352794420 -1.069342042
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## 156 0.4712383928 -1.043385621 -0.918590131 0.430652093 0.040674397
## 157 0.1519155537 -0.235649049 0.224943115 0.020396065 1.259087538
## 158 2.7922418760 -0.104638644 -1.391155796 -0.122184991 -1.216864429
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## 160	1.9435806925	0.941159245	-1.377652002	0.421118577	1.058037939
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## 162	0.6499342931	0.355616960	-1.676260572	-1.257190827	0.544875593
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## 164	-0.2962933614	-0.085205609	0.379908877	0.612093198	-0.766812530
## 165	0.0916922155	1.126791289	0.042985084	0.408071522	1.791216376
## 166	0.6855272116	0.875072881	-1.212026921	-0.568064223	-0.375571613
## 167	-0.5767581724	-0.835385217	-0.148242347	0.524473655	0.104536787
## 168	-0.3467699555	-0.714284204	-0.017977813	-0.869500777	1.104902752
## 169	1.1024886687	-0.085332726	1.853884795	3.598081224	0.671769928
## 170	-0.7452765695	-0.429110675	-0.768770451	0.118010413	0.762043777
## 171	-0.4417560629	0.535578471	-0.993088182	0.281787702	-0.058434749
## 172	1.5660464116	-1.474360946	-0.406296658	0.349076152	1.077274043
## 173	0.6607749496	0.632263511	0.508420064	-1.376454068	-0.123645244
## 174	0.8490715667	-0.550723528	-0.724703990	-0.215298365	-0.686427679
## 175	-0.6027742917	0.638663165	-0.743674576	1.044262831	-1.076550914
## 176	-0.0274508569	1.389414516	-1.916835984	0.484962293	-0.531261277
## 177	1.1603201419	0.688664264	-0.299309615	-1.279278157	0.446827677
## 178	1.1913316363	-0.871588960	-0.824732508	0.193669219	-2.303173370
## 179	0.7138838364	0.759867619	-0.702993313	0.403134001	-0.698597061
## 180	1.7166012542	-0.617719548	0.234853301	-0.261319465	-0.658613066
## 181	0.4543812301	0.340080988	1.158774967	0.669953720	0.228449377
## 182	-1.8356058044	-0.740187592	-0.431723937	0.573899434	0.109988943
## 183	-1.6166661958	0.477163680	1.320383478	1.423967939	0.823127443
## 184	0.0869485359	2.546692220	0.271735080	0.029655859	0.838359542
## 185	-0.7068929733	0.578123508	-0.159602598	-0.179134702	-2.136044805
## 186	-0.8524995747	0.719870226	0.576689816	1.173410452	-0.527605582
## 187	-1.8761097599	-0.892876863	1.869509873	0.669998756	-0.431644530
## 188	1.1443443221	-0.335621049	0.900661872	-0.526742456	0.048921328
## 189	-1.5935660684	0.091225689	-0.241314636	0.680813510	1.060514589
## 190	0.4087532125	-0.209753225	-0.624501098	-0.336464005	-0.096432384
## 191	-0.9466304792	-1.152127148	0.674469380	-0.645501629	0.079019860
## 192	0.1923484585	-1.692993271	0.187816810	-0.357536893	0.526114609
## 193	-0.1797194643	1.180852003	-1.190022694	-0.444209213	2.040447882
## 194	-0.7776880156	-0.064347391	-0.408630436	0.597427103	0.164366934
## 195	1.2262405469	-0.806204805	0.450296714	0.528730249	0.759850889
## 196	-0.7752905694	-0.493164605	-0.592990995	2.527715096	-0.812275264
## 197	0.5308194266	0.071759309	-0.073218696	-0.390946556	1.691854673
## 198	-1.9431610629	0.324742545	0.166434414	-0.291977769	1.394071767
## 199	0.5455993321	0.577145316	-0.805801731	0.206668134	0.216106864
##	V486	V487	V488	V489	V490
## 1	0.257237033	0.46585104	1.569597013	0.2050288069	0.45496440
## 2	-0.564651159	1.69182159	0.999207846	-2.2005333518	-0.15730483
## 3	-2.073361319	-0.37744709	-0.958087750	-0.2750110287	0.34870777
## 4	-0.502260852	1.11739573	0.539135305	2.0524239228	-1.13317600
## 5	0.914589053	-0.71460274	0.090501895	-0.8210079521	-1.62109580
## 6	1.439364021	-1.20096486	0.707053173	0.9235412697	-0.53562807
## 7	1.106336006	-1.79652847	0.122053632	-1.1191821809	-1.11578864
## 8	-0.887752618	-0.61380308	-0.923321791	-0.2747641379	-1.08669779
## 9	-0.849498172	0.20961744	1.685470752	3.6993453150	-0.47984604
## 10	-0.502753957	0.31710211	-0.242599315	-1.1807611215	1.90559518
## 11	0.746511365	-0.11028905	1.138797328	0.3496700347	0.77550398
## 12	-0.173136226	0.60833164	0.068137189	1.3310017432	0.16325072
## 13	-0.069167864	-0.93102426	0.344527306	-1.6971402678	0.36887032

## 14	0.446992806	0.47796801	0.481742782	1.1138932931	0.27845635
## 15	0.239742070	-0.15280220	1.816710930	-0.4096157328	0.36561593
## 16	0.446949804	-1.76558706	1.052821794	0.9246425495	-0.20896446
## 17	0.065599191	1.07674602	0.129864076	-0.2771846999	-0.91415242
## 18	-0.496794540	-0.35382357	0.260099015	-0.8366599318	0.53763545
## 19	0.747093865	-1.06359503	1.503342571	0.1655669512	0.39348543
## 20	2.300848334	1.24743504	-0.151045233	-0.2508325959	2.44395468
## 21	0.647514199	0.27711484	-0.742266254	-0.4148515893	1.26183397
## 22	0.849857709	1.35002476	-1.551574011	1.2353615863	-0.37159865
## 23	0.177026045	-0.26224819	-0.766229981	-0.3207992351	-0.63168544
## 24	-0.301985193	0.50836357	1.088332346	0.4305874871	-1.78263404
## 25	0.050354912	1.97308797	0.084044622	0.5583809511	0.70441657
## 26	0.325718171	0.35759149	-1.685051682	1.6148542633	0.20620793
## 27	-1.252685729	0.76080286	-0.066478666	-0.1577071813	0.85441760
## 28	-0.253927064	-0.86433931	-0.809906213	0.7486772561	0.13140766
## 29	-0.468835815	0.89593136	0.364325850	0.7363510062	-2.02319425
## 30	-0.119895450	-0.85805568	1.587132049	0.3596151066	-0.26243174
## 31	0.941812941	0.83221117	1.110846022	0.3011718469	0.76733768
## 32	-2.023680438	0.97067192	2.065393567	-0.0716019162	0.69122271
## 33	-1.066804906	-2.54960915	0.501190254	-1.2782042648	-0.17518257
## 34	-0.241482388	-2.28355078	2.041271130	-0.7155414965	-0.61629001
## 35	-0.896463646	-0.88101237	0.488723890	-1.5598995099	-1.26590306
## 36	-0.379763270	-1.08730097	1.597410355	-1.5104689939	-0.54832598
## 37	1.652386730	-0.27860239	0.288010391	-0.9810367313	-1.21659758
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## 39	-1.154001954	-0.90711090	1.543477603	1.7398583741	-0.50376926
## 40	-0.345034924	-1.05752188	-0.622286045	-0.5786558335	-1.76485700
## 41	-0.731470955	1.80593677	-0.232934380	-0.2485386589	-0.01934729
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## 45	-1.728864281	1.07071073	-1.307644627	1.2745785480	-1.62747654
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## 49	1.712950533	-0.84192768	0.487027918	0.3424218930	0.95772889
## 50	-1.035405340	-0.95440497	-1.516052197	-0.5086086456	-0.99236238
## 51	0.781222218	0.18589351	-1.004476867	0.5905415060	-1.16221565
## 52	-0.364443064	0.57270253	-1.203262814	-0.8903237470	1.51127919
## 53	-1.316881463	-0.66468825	-0.390576201	0.6537521752	1.56192408
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## 56	-0.402278109	0.11905263	-2.747609681	0.9535700010	0.76031148
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## 60	-0.257449398	-0.73034352	1.492774328	0.6880140334	2.12181753
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## 78	0.268690769	0.48014288	0.010253284	-1.2684612150	-0.19907205
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## 80	-2.082598363	-0.34156494	-0.124859629	-0.2345539518	-0.67907626
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## 82	0.793886168	-0.62355744	0.667464385	0.5544647842	-2.15820483
## 83	-0.209798617	0.96507382	1.364883636	-0.9470772847	0.02219643
## 84	0.402352217	1.10975160	-0.584815363	0.4875244480	1.60731329
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## 86	1.767219584	0.08270472	-0.894988799	-0.9757888302	0.59754638
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## 88	1.353989777	0.10217367	0.279105214	-0.4565476163	0.50838482
## 89	0.359226295	1.11559124	-2.627460647	-0.1085156064	1.47287307
## 90	0.625683420	0.32126456	-1.850865005	0.5518401932	-1.54462202
## 91	-0.157158717	0.32498500	1.865309324	-0.2519118871	0.71270082
## 92	-0.364729950	0.60525420	-1.282303536	-1.5134151625	-1.39022336
## 93	-0.925345801	-1.17579677	1.124321213	-0.2623827296	0.08605540
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## 95	-0.003421836	-0.16134381	-1.664603899	0.5391347043	-0.28956450
## 96	-0.367904949	1.63412269	0.655221526	-0.9761811356	-1.52434330
## 97	-0.796418211	-0.94073541	0.613967686	-0.7332902345	0.46419125
## 98	0.401115774	-1.00033046	-0.952562000	1.0471086491	1.00201922
## 99	-1.682076324	-0.48318914	-1.464612654	0.4741448782	-0.62180756
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## 101	-0.124354261	0.16025217	-0.541471880	0.6521512690	-0.61851326
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## 103	-0.855915898	0.47583287	0.005637772	-1.2584464465	-0.31297318
## 104	0.695541539	-0.81563193	-2.508200953	0.0051815503	0.70525613
## 105	-0.365270117	0.70348631	0.136826989	-1.8889650159	-0.38732339
## 106	-0.040235313	-0.06889292	-0.826712748	-1.0676947562	0.58363970
## 107	0.080347195	0.58498258	-0.664800039	-0.6197253543	-0.17294647
## 108	-1.682837859	-1.19798523	-0.669771309	-0.5968760414	-1.70237119
## 109	-0.175445512	-0.62321747	0.982160289	1.1028106432	-0.32393279
## 110	0.879611122	-0.23066044	-0.761503481	0.1623916696	-0.51476002
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## 121	-0.241053184	-0.53664784	-1.396191704	1.4479410928	-0.16755220

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## 122 1.002213074 -0.77523622 -0.647148563 1.2567201870 -0.58491862
## 123 0.718983763 -0.06644586 1.762801476 -1.5246411898 0.57980025
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## 155 -0.566682665 -0.85267593 0.879157410 -0.4777911781 1.97603926
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## 174 0.727320098 -0.91284246 -1.009109371 -1.8566182680 -1.43189307
## 175 0.293286489 0.32568387 0.982437721 -0.3497272338 -0.92949599

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## 179	0.786166688	-1.03398609	-0.663066612	-0.6773118416	0.89754508
## 180	0.137106035	-1.07050354	0.640463971	-1.6539858320	0.58809193
## 181	-0.819835319	-0.81897803	-1.588383207	-0.4507474091	0.15881232
## 182	-0.055153126	0.95116900	0.649383441	-0.5915570993	0.86045942
## 183	0.856088352	-0.51408082	-0.203604331	-0.1729436843	0.54021954
## 184	-0.892301964	0.02982633	1.588317702	0.2051539647	-0.84496490
## 185	-0.184957934	1.32904164	-0.210731722	-0.3261929852	-0.07174461
## 186	-1.433273996	1.94426099	-0.406125106	0.0428061192	-0.45477763
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## 188	1.331644111	-0.89968055	0.368707469	1.0687761195	0.48248517
## 189	0.557476931	1.49360621	1.479166135	0.5737407289	-1.37903862
## 190	-0.951404164	-1.66376004	0.408581266	-1.7874844077	-0.80531549
## 191	-0.814289567	-0.31210141	0.264894287	0.1904975367	0.16688323
## 192	1.522945710	-1.22892731	-0.579282561	-0.1427032734	0.59710029
## 193	0.135027305	-0.05333391	0.932402136	-0.9986244200	1.52711359
## 194	0.546736215	-1.86025399	-0.494032145	-1.6026992527	0.91901696
## 195	0.782324321	0.73018000	-0.784051518	-0.7621245620	1.97174370
## 196	-0.629811051	0.70112543	0.749670774	1.3327080149	1.67790736
## 197	-1.603318758	1.36326185	-1.837695529	1.0350647270	0.69155586
## 198	1.599075713	-1.20332745	0.494460140	-0.5771753400	-0.04353203
## 199	1.009495343	-1.41383551	-0.163515393	-0.2787853234	0.59900767
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## 1	0.959724209	2.884090484	-0.646522909	-1.197509341	-1.70403734
## 2	-1.594789275	1.004394662	-2.783572041	-0.173581709	1.12029002
## 3	-1.083137872	-0.706191706	-0.484863517	-0.752193767	-0.16199398
## 4	-0.573029118	1.929218035	1.105355389	-1.352694506	-1.14913142
## 5	-0.994204315	0.550065861	-0.082644313	0.478245097	0.69922094
## 6	1.251117764	-0.591868049	1.418863899	0.490627587	-2.16238651
## 7	1.104663631	1.913021044	-0.354579527	0.122511250	1.60397208
## 8	0.200035679	0.976833308	-0.269469378	-2.507527743	0.59096603
## 9	-0.759119703	-0.518275200	0.014631037	-0.658647059	-0.98700526
## 10	-0.894087177	1.226165585	-0.622706227	-0.569464958	0.67170390
## 11	0.904329966	-0.632096756	-2.105833522	-1.697570956	-0.58014063
## 12	-1.764133790	-2.576920049	1.005584149	2.483523909	0.22509586
## 13	-0.533674098	-0.038789271	2.709370625	1.059006324	0.66238251
## 14	-0.465094853	1.632814018	0.902709151	0.790534746	-1.08410035
## 15	-0.990835800	-0.433000269	-0.804536786	-0.632648460	-1.12267802
## 16	1.428194091	-0.483792206	-0.770704634	0.421259108	0.04114530
## 17	-0.130815893	-0.122679922	0.176952238	-1.900439396	-0.57660226
## 18	1.238210645	1.275248228	0.370568914	0.348079593	1.59878843
## 19	0.346569942	-0.275240334	-1.031437958	0.888797915	1.37290012
## 20	-0.076440014	-0.494110518	0.351776396	-0.367714130	0.18419610
## 21	-0.188235382	-0.051726044	0.554137311	1.635539933	0.10045828
## 22	-0.983568659	0.955846963	1.106692624	-0.237245750	1.07865576
## 23	0.621209417	0.655725543	0.988296977	-0.038838425	0.29005305
## 24	0.691857412	-0.627697870	0.148178682	0.103330566	-1.26411043
## 25	0.855639300	-1.151150981	-0.010641598	-0.433019556	-0.20503411
## 26	-0.530617006	-0.165859424	-0.444260334	0.105959688	0.84092654
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## 30	0.085492504	1.281098394	1.136062422	-1.588429754	0.13203334
## 31	-1.948024346	-0.957043521	0.866299989	0.774535518	0.37870953
## 32	0.710264789	-0.817542347	1.020193763	-2.137806643	-0.52508801
## 33	-0.785039194	-0.251323146	1.279318317	0.735370872	0.76391085
## 34	-0.573007201	0.421361626	-1.336045418	0.429592740	0.42633309
## 35	1.194905091	-1.868155528	-1.812767258	0.362080093	0.66945556
## 36	0.453423697	-0.171566690	0.490113876	0.126766014	-0.06607277
## 37	-0.734277574	-0.409224063	0.336579372	1.405734163	-0.50831761
## 38	0.301475959	0.399207581	-0.380598862	-2.217264231	0.70665166
## 39	0.306063168	0.657067486	1.166557709	1.275499166	0.49884074
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## 42	0.906118337	-1.206635100	2.044332108	1.181736926	0.22568283
## 43	-0.305533586	-0.907879375	-2.418731745	-1.111781069	-0.15338408
## 44	-0.381585813	-0.047184802	-1.880390737	0.011983202	0.65021421
## 45	-1.993922673	-0.201212716	0.231021396	-2.191339451	0.53980268
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## 47	0.988591094	-0.890521835	0.612818521	0.581775594	1.36654485
## 48	-1.325994581	1.040224768	0.564901604	-0.381472760	1.52255156
## 49	-0.435834761	0.089192341	-0.715686106	-0.994151558	0.45990912
## 50	0.530308425	-0.203626098	0.027623166	-0.729914002	0.33843454
## 51	-0.842648270	-0.883574293	0.636946317	0.812383462	-0.03530466
## 52	0.362527800	-0.335882304	-1.693284503	-2.030271174	0.06038852
## 53	1.258524255	0.412204213	-0.599142347	0.806280954	-1.65301017
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## 55	-1.668697992	-0.637951976	0.882153123	1.089182575	1.10640533
## 56	0.442008240	-0.630630422	1.691221988	1.118624756	1.00439792
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## 58	-0.356309705	0.058718931	-0.258322006	2.176372158	-0.20738728
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## 60	-1.445325936	-0.418071356	-0.392757938	1.565311614	1.01753928
## 61	0.177742575	-0.222863972	0.340558319	1.490363828	-2.04058391
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## 64	-1.233895267	-0.268251809	-0.826312742	-1.356819698	0.34910059
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## 76	0.721182395	-0.345883886	-1.059456715	-0.391729905	0.20266990
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## 82	0.011181398	-0.636482634	1.441729500	0.211804346	0.12235559
## 83	0.523003741	0.269362444	0.871020411	1.284320181	0.42254781

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## 93	-0.938513624	-0.719667176	0.608957444	-1.061703382	-0.51756611
## 94	0.052901848	-1.902230983	0.519711755	-0.796895617	0.97535374
## 95	0.672450232	0.305822565	0.088479928	1.058305687	0.67290360
## 96	-0.628584833	0.108546187	0.944156295	0.911780371	-0.19930002
## 97	-0.993997979	-0.528212908	-0.476435871	-0.651660135	0.38472579
## 98	-1.483478865	0.012141272	1.062984613	-0.465270957	0.86819737
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## 100	-0.504815101	-1.329056905	1.562948359	2.247041566	-0.11539411
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## 106	0.030941466	0.591169583	-0.059503152	-0.146092904	0.25727559
## 107	0.093971529	0.097707404	0.452692721	0.212182559	0.54946121
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## 119	0.366589144	0.841649319	0.276529002	1.018550001	0.47107313
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## 190 1.549631272 -0.815749822 -0.456396799 -0.148708170 0.63953305
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## 192	0.011979024	0.780497007	1.007908982	0.177180588	1.24174980
## 193	0.479727575	0.419862789	0.333481890	-0.024987546	1.25502479
## 194	-1.229317728	-1.616412496	1.170461336	0.123208016	-0.37463941
## 195	-0.596703390	-0.637540949	1.570819962	-0.153841417	-0.40528372
## 196	1.421834572	-0.154687954	1.576812278	0.481536295	-2.25311057
## 197	-0.257866575	0.474988864	-0.052142729	0.772350473	0.48484257
## 198	0.567407627	-0.446658377	-0.589851390	-0.600008417	0.94486967
## 199	-0.072752474	-0.225151541	-0.190187656	0.087474358	0.09062187
##	V496	V497	V498	V499	V500
## 1	-0.898922107	0.788425078	-0.001209931	-0.292884341	-1.86853046
## 2	-0.989744074	0.136729632	-0.908575132	0.510011491	-1.47540706
## 3	-1.758289190	-0.237141683	0.273930133	-0.723927128	0.67634628
## 4	1.055572940	0.807712181	0.423645063	1.218784276	-0.22666241
## 5	-0.599780130	-0.242132261	0.498019813	0.822230207	0.10670524
## 6	0.089860996	-0.006081230	-0.474542993	1.459063874	0.35223905
## 7	0.370011935	0.300969646	-0.064371645	-0.655584868	-0.56573973
## 8	1.976818635	1.003167601	-1.076963062	-1.592992419	-1.35408965
## 9	1.013016359	1.143347652	-0.778007354	-2.312518754	0.84933567
## 10	0.244142180	-0.147431363	-1.403567071	-0.954952245	0.63790067
## 11	-0.464955661	1.004727036	0.161657876	0.086018741	-0.26841931
## 12	1.132081313	0.794926939	-0.260141922	-0.288024705	-0.94336983
## 13	0.836019775	-0.042872018	-0.706779921	1.738413930	-0.91317575
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## 15	0.290093522	1.293234908	0.124700121	0.074049982	-0.20775927
## 16	0.038059210	-0.261188509	-0.781549265	0.516708001	0.12697409
## 17	0.333630109	0.544714356	-1.103522273	0.075771810	-0.49429203
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## 28	0.985592742	0.218641446	-1.700619578	2.249345664	-0.52704002
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## 53	-1.805289084	-1.205753645	0.272978463	0.136161345	1.24586968
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## 55	-0.535413704	-0.931876785	-0.084552577	-0.175394800	-1.18449962
## 56	-0.219185077	0.083159227	2.346148993	1.446874245	-0.38117354
## 57	0.830241111	-1.453351616	-0.467861273	-1.029103980	0.42145880
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## 66	-0.742247368	-0.206578492	0.683383907	2.965670072	-0.63600400
## 67	0.518851978	-0.542683594	0.640251803	1.427867840	-1.81665717
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## 69	0.073411109	-0.219624871	0.197262155	0.217237669	-1.35391885
## 70	0.443588390	-1.511378083	-0.245361085	-0.615338368	0.87947620
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## 76	0.109350905	0.760065674	0.879223720	0.215270207	1.10845176
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## 99	-1.490568425	0.157536814	0.973547819	-1.529589844	-0.79826112

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## 100 -0.225399080 0.321363396 0.130013536 0.578667035 2.65383369
## 101 0.688021407 -0.165366009 -0.113042743 0.117921593 -0.93885968
## 102 0.088330955 -0.499277210 0.546067587 0.062928925 -0.06242259
## 103 -1.541579987 -0.416437893 0.581292003 -1.227781755 0.02445606
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## 160 -0.919457555 0.473263966 -0.066892084 -1.610040689 1.49729724
## 161 0.055987939 -0.375494882 -0.661738598 0.361362054 -2.06489954
## 162 0.641470089 -1.530841174 0.614310670 -0.212883050 -0.03645230
## 163 -0.561180890 -2.088949797 -1.132570895 -2.085076810 1.14068220
## 164 -1.481222188 1.377613648 1.559803100 0.559934896 1.26973565
## 165 -0.414268961 -1.789012073 -0.264761096 -1.009182476 -0.31600277
## 166 -1.123741093 -2.213459698 -0.795344113 -2.050227207 0.81279168
## 167 0.473543082 -1.054295409 0.311951291 1.177338205 -0.11319266
## 168 0.236601936 1.836833233 -2.723640085 0.097177926 1.02630531
## 169 0.506482605 -2.278622886 -1.062608657 2.001514467 0.34717744
## 170 0.495922362 3.421286015 1.186003389 -1.126165191 -0.35402130
## 171 -2.447493376 0.514748739 -0.472993949 1.307656995 0.82685542
## 172 0.896225979 0.211470157 -0.526887154 0.032957538 0.11703385
## 173 0.019908333 -1.762497359 -0.016149034 0.007209791 0.38382936
## 174 -0.473453003 -1.410804229 1.384781021 -0.397632554 -1.97806418
## 175 -0.959959971 -0.307415974 0.095218236 -1.068144658 -1.10819394
## 176 -0.991446598 0.073912456 0.464236341 -0.287792660 0.46599402
## 177 0.693637873 -1.488892731 -1.830377897 0.499120966 0.02020031
## 178 0.803996038 1.211264756 0.179079720 0.710113008 -1.16847946
## 179 -0.125052122 0.071749275 -0.704078042 0.622030589 -1.09451091
## 180 1.543947991 1.310831362 -0.192826914 3.135607599 0.58322692
## 181 -0.887304047 0.871718583 0.955622054 -1.126801227 1.43620139
## 182 1.234914283 0.365991562 1.672721335 1.695082095 -1.19735572
## 183 1.159136143 -1.281979199 -0.826448765 1.556457813 -0.73329885
## 184 0.879561438 -1.929205598 1.354158401 -0.855349233 2.36202220
## 185 -0.145231201 -0.356519301 -0.082334302 -0.029597796 -0.31596124
## 186 -0.408091302 -2.238716283 0.253474778 0.079025459 -0.41444870
## 187 0.082554318 0.354495235 -1.288733204 1.368178977 0.73305237
## 188 -0.614280288 -0.107077950 0.874032072 0.487762915 -1.93292650
## 189 -0.123677593 0.484666765 -1.364932969 0.723925544 0.18778052
## 190 -0.655744616 -0.598448618 0.943312088 0.393146309 -0.27558075
## 191 0.241789485 -1.103004898 0.641508804 -0.605450101 0.45958372
## 192 -1.526864026 0.228233106 0.377203592 0.637210520 -0.81919436
## 193 -0.473668402 -0.262859736 -1.616988896 -1.214218351 -0.12913941
## 194 0.230482260 -0.251191354 -0.083446122 -0.401275251 0.50933729
## 195 0.955905515 -0.792795723 1.435712787 -0.240379137 0.52096204
## 196 -0.159295750 -1.057063151 -1.573957439 -0.092434076 0.01960093
## 197 0.518252311 -0.078928151 0.782313033 -0.328077005 1.18796093
## 198 -1.087270720 0.391309123 -0.289335912 -0.155315867 1.51778807
## 199 -0.757365897 0.207477032 0.109541255 -0.536374392 0.21793201
## [ reached 'max' / getOption("max.print") -- omitted 801 rows ]
```

Alternatively, the data can be normalized beforehand and the parameter is set to `FALSE` in the function call. However, this example won't do so, but the output of `normalize` is displayed below.

```
# see the effects of normalize()
as.data.frame(normalize(z))
```

```
##          V1          V2          V3          V4          V5
```

## 1	0.0003429703	0.0481267298	-0.0132513669	0.0219344997	-0.0621458536
## 2	-0.0089624039	0.0123908688	0.0357868975	0.0112677085	0.0641425394
## 3	-0.0647868882	0.0105393443	-0.0258082404	0.0306516404	0.0211169396
## 4	-0.0295189712	0.0395045582	-0.0442724713	0.0446800198	-0.0723941866
## 5	0.0121050383	-0.0102003109	-0.0001985549	0.0427143554	-0.0106223853
## 6	0.0180233096	0.0129887751	-0.0496850900	0.0058897766	-0.0785342392
## 7	-0.0571080260	-0.0166728610	-0.0621594362	-0.0692689847	-0.0034409559
## 8	-0.0166790511	0.0465039867	0.0043808938	-0.0192256525	0.0343595979
## 9	-0.0708954317	-0.0530046683	-0.0380529723	0.0594355395	-0.0202179919
## 10	-0.0118740978	0.0459609573	0.1635722856	0.0468200970	0.0285382850
## 11	0.0467943876	-0.0059380854	0.0491046784	0.0105077738	0.0169426334
## 12	0.0323110587	0.0318140981	0.0282218983	-0.1103139549	-0.0209687425
## 13	-0.0111748584	0.0673532054	0.0337473333	-0.0786958591	0.0298923612
## 14	0.0450423428	-0.0073370358	0.0884165893	-0.0299329907	0.0499169811
## 15	0.0323216178	-0.0220144090	0.0283015483	0.0168978421	-0.0488255582
## 16	0.0035637942	-0.0447504745	-0.0692902873	-0.0265953743	-0.0626707339
## 17	-0.0416633315	0.0478228709	-0.0355536776	0.0435745596	0.0038562569
## 18	-0.0092309468	-0.0103264257	-0.0496629280	-0.0087274085	-0.1146408542
## 19	0.0416835525	-0.0540696483	-0.0352772005	-0.1428311176	-0.0046942761
## 20	0.0213758719	-0.0204501530	0.0305706187	-0.0366010504	0.0172395043
## 21	-0.0259410470	-0.0368585099	0.0097096078	0.0737009392	-0.0477838894
## 22	-0.0950346945	0.0279703988	-0.0614923833	-0.0181780849	0.0172294780
## 23	-0.0311931182	0.0232685866	-0.0430278054	0.0106209314	-0.0381510601
## 24	-0.0979372064	-0.0082061347	0.0435084421	0.0783562006	-0.0178488413
## 25	-0.0540100050	-0.0167451306	-0.0356088815	-0.0702868227	-0.0083657105
## 26	-0.0177307846	-0.0269117017	-0.0345680410	-0.0044717153	-0.0148249674
## 27	-0.0304462275	-0.0323135948	-0.0246388842	-0.0238028865	0.0224632524
## 28	-0.0372067537	0.0539514448	0.0083253972	-0.0709301366	-0.0050699310
## 29	-0.0047351496	-0.0354584676	0.0136019116	0.0614958787	0.0510773167
## 30	-0.0120852049	-0.0690656807	-0.0176092231	-0.0173799010	-0.0765691631
## 31	-0.0878709984	0.0816082367	0.0730371979	0.0092026272	-0.0339758662
## 32	-0.0040163987	0.0285954667	0.0870643659	-0.0311378899	-0.0254770605
## 33	0.0434759865	0.0469527937	0.0324431633	0.0604055226	-0.0771330619
## 34	0.0078812145	-0.0508642654	0.0210584820	0.0258712006	0.0309806985
## 35	-0.0620629867	-0.0732014240	0.0547294447	-0.0263527658	0.0134159955
## 36	-0.0619137783	-0.0497795253	-0.0640782626	-0.0240290274	-0.0511504735
## 37	0.0154570146	-0.0036898664	0.0160589796	0.0232708291	-0.0268776952
## 38	-0.0770449671	0.0644006668	-0.0141485628	0.0436337524	0.0471360821
## 39	-0.0145182806	0.0167740463	-0.0080119174	0.0013588023	-0.0112372899
## 40	-0.0286462943	0.0309302305	0.0147536368	0.0255038918	-0.0782472704
## 41	0.0479427832	0.0674583502	-0.0050624284	-0.0385048076	-0.0312474104
## 42	-0.0353133851	0.0331641004	0.0407820532	-0.0620914719	0.0323073745
## 43	-0.0398789567	0.0060888435	0.0388801555	0.0154867572	-0.0251198339
## 44	0.0350534219	-0.0418460806	-0.0156272565	0.1015602462	0.0601675872
## 45	-0.0427082580	0.0468743197	-0.0259050918	-0.0011270494	-0.0007611607
## 46	-0.0017766510	-0.0041493826	0.0386966583	0.0116464227	-0.0157526621
## 47	0.0099948317	-0.0286685112	0.0356951558	0.0577002597	-0.0607439295
## 48	-0.0134049731	-0.0102930784	-0.0053079348	0.0168444239	0.0079034023
## 49	-0.0290570027	0.0262327690	-0.0751639427	-0.0762093391	0.0201407668
## 50	0.0280364339	-0.0148057698	0.0013651659	-0.0259285329	0.0215728453
## 51	-0.0178419345	0.0500776692	0.0239236646	0.0186675467	0.0348046462
## 52	-0.0151474875	-0.0003421036	-0.0438337458	0.0464940770	-0.0511371742
## 53	0.0598768951	-0.0799553678	0.0655764738	0.0497256961	-0.0288672264
## 54	0.0975322526	-0.0337665139	-0.0263433708	-0.0290597543	0.0603982631

## 55	0.0216889267	-0.0445375547	-0.0310001365	0.1142372942	-0.0082881113
## 56	0.0357831381	-0.0218774840	0.0023685767	0.0023208841	-0.0103938433
## 57	-0.0417885199	-0.0294584834	0.0630719683	-0.0537716746	-0.0137785084
## 58	0.0243223037	0.0122318755	0.0248981918	0.0270556508	0.0773516024
## 59	-0.0308715350	0.0760885874	0.0275280756	-0.0757915665	0.0440995247
## 60	0.0121034400	-0.0684176721	-0.0049366226	0.0287541206	-0.0109490100
## 61	-0.0563266432	-0.0224390317	-0.0961971453	-0.0062072505	0.0710698489
## 62	-0.0203206525	0.0866548795	-0.0391388580	0.0549512870	-0.0494866452
## 63	-0.0363539835	0.0079794229	-0.0661803484	0.0037292112	-0.0455105698
## 64	0.0151987427	-0.0109520192	0.0197922464	0.0041250595	-0.0485302777
## 65	0.0481294215	-0.0488300341	-0.0313572297	-0.0223359078	0.0537535478
## 66	0.0511559398	-0.0099007506	0.0082147491	-0.0147752065	0.0186567941
## 67	0.0326556238	0.0683080585	0.0246764901	-0.0451773602	-0.0971641774
## 68	-0.0226848786	0.0101831077	-0.0141221443	-0.0647805596	-0.0064855138
## 69	0.0246430147	0.0517786880	0.0360695997	-0.0407292864	-0.0115679540
## 70	-0.0560488132	-0.0225969591	-0.0111575467	-0.0045909136	0.0507609799
## 71	0.0166565423	-0.0474928813	-0.0379740880	-0.0436314216	-0.0145349679
## 72	-0.0668983244	0.0465680331	0.0217667333	-0.0689336889	-0.0439202455
## 73	-0.0481054335	-0.0736250968	0.0287102304	-0.0190505694	-0.0009802634
## 74	-0.0098542674	-0.0135447612	-0.0282286655	0.1134015616	-0.0734408879
## 75	-0.0646863401	0.0109670890	0.0138310431	-0.0044625688	-0.0057084273
## 76	0.0541882600	0.0624833504	0.0122572526	-0.0158617460	0.0267684006
## 77	-0.0690515379	-0.0725362749	-0.0142615525	0.0070231529	-0.0031793638
## 78	-0.0193189253	0.0485653636	0.0005483461	0.0766353271	-0.0084939542
## 79	-0.0483838686	0.0044401227	0.0169029289	0.0366962429	0.0641568484
## 80	0.0680081315	-0.0406219397	0.0186577741	0.0219950236	0.0267293167
## 81	0.0276990844	-0.0307972382	0.0353702487	0.0028436126	-0.0110944937
## 82	-0.0107528232	0.0167918902	0.0669659372	-0.0635696769	0.0570674960
## 83	0.0302836906	0.0905585297	-0.0532017643	0.0881646261	-0.0150111048
## 84	0.0321851317	0.0197350816	0.0952651236	-0.0152167049	-0.0086882587
## 85	0.0195075004	-0.1347456576	-0.0066113003	-0.0077995919	0.0380517419
## 86	0.0066388031	-0.0041815103	-0.0045047920	-0.0308955178	0.0128535447
## 87	0.0290107724	-0.1016427394	-0.0281753093	-0.0195242143	-0.0815227363
## 88	0.0951082507	-0.0883495350	0.0121714225	-0.0042170954	0.0160343026
## 89	-0.0514822349	-0.0688902902	-0.0601989308	-0.1113853536	0.0389022156
## 90	-0.0037572609	-0.0245746840	-0.0453760238	0.1213256396	-0.0179283898
## 91	-0.0193580470	0.0193470209	0.0759326771	0.0342594507	-0.0137216721
## 92	-0.0088053687	-0.0162964480	0.0073037505	0.0137847844	0.0025305517
## 93	0.0027143556	-0.0129226295	-0.0510684819	-0.0431382153	0.0608208064
## 94	0.0516174235	0.0122788948	-0.0911468207	-0.0597231695	0.0096097663
## 95	0.0274955039	-0.0585857636	-0.0539713953	-0.0364906651	-0.0255413441
## 96	-0.0651597699	-0.1212395376	-0.0386203318	0.1688347402	0.0198121746
## 97	-0.0729004728	-0.0688307321	0.0552380641	-0.0280513538	-0.0228461576
## 98	0.0408221942	0.0288534031	-0.0411404373	-0.0460939917	0.0378893557
## 99	0.0060172273	0.0352391057	-0.0419273469	-0.0059124010	0.0694517628
## 100	0.0525591030	-0.0290323450	0.0269806184	-0.0079467499	0.0252725748
## 101	-0.0343064493	-0.0745589675	-0.0721142869	-0.0216780836	0.0850729394
## 102	0.0178285482	-0.0116437933	-0.1069490797	0.0215198577	-0.0739187773
## 103	-0.0487430573	0.0128625485	0.0599996071	-0.0311306476	0.0280407044
## 104	0.0299100793	-0.0433196248	0.0069772045	0.0355922511	-0.0082379477
## 105	-0.0294266706	0.0595051925	-0.0090089654	-0.0072876897	-0.0065343089
## 106	0.0251439973	0.0041942502	0.0050526561	-0.0014735057	-0.0278816786
## 107	0.0294863007	0.0778066603	0.0338221558	0.0091446471	0.0171787032
## 108	-0.0725905938	0.0313262946	0.0632102913	0.0034567852	0.0011165248

## 109	0.0466847190	0.1138676481	-0.0006893126	0.0240548282	-0.0400867900
## 110	0.0497309559	0.0221432141	0.0655706649	-0.0137381455	-0.0099661114
## 111	-0.0575664714	-0.0834990877	0.0133228876	0.0421224086	0.0487038039
## 112	0.0517086015	0.0329341175	0.0380100474	-0.0007586079	0.1385121961
## 113	-0.0211480261	0.0147596007	0.0146905775	0.0490012080	-0.0811650255
## 114	-0.0147701084	0.0373315193	0.0474814369	-0.0796295991	-0.0215311285
## 115	0.0411672737	-0.0021728032	-0.0021705902	0.0081191995	0.0056268517
## 116	0.0030506562	-0.0525136597	-0.0546769445	0.0006216032	-0.0098840652
## 117	0.0450452122	-0.0445784818	-0.0001179473	-0.0260015176	0.0749708395
## 118	0.0318389603	-0.0477491346	0.1355153546	-0.0200176092	0.0340388102
## 119	0.0578830601	-0.0047783162	-0.0879347329	0.1369393816	0.0152687270
## 120	0.0396560126	-0.0565877084	0.0674750641	-0.0044050265	0.0300691470
## 121	-0.0201805701	-0.0121470304	0.0654285248	-0.0392828552	-0.1049790936
## 122	0.0087270627	-0.0488847659	-0.0301568993	-0.0441629728	0.0380354251
## 123	-0.0018928557	0.0826962815	-0.0221085063	0.0028313580	0.0591281078
## 124	-0.0534357790	0.0666489740	-0.0702193459	-0.0630430908	-0.0198381353
## 125	0.0275493920	0.0117301673	0.0561252045	0.0191818890	-0.0489559625
## 126	-0.0430342706	-0.0566157907	0.0204283599	0.0432017495	-0.0234735235
## 127	0.0106569540	-0.0368854668	0.0093929889	0.0098462205	0.0034106297
## 128	-0.0487357203	-0.0247926087	-0.1102064983	-0.0014490344	-0.0371847637
## 129	-0.0175936972	0.0338949047	-0.0315180932	-0.0564267297	0.0012106181
## 130	-0.0520135148	0.1129936828	-0.0509283051	-0.0200410509	-0.0901434027
## 131	0.0627405552	-0.0272038406	0.0753540671	-0.0481423051	0.0042949561
## 132	0.0278750162	-0.0212627806	-0.0106827401	0.0280310726	0.0114342728
## 133	-0.0887929965	-0.0690544258	-0.0544728911	0.0279545020	0.0062871183
## 134	-0.0325296084	0.0446458560	-0.0364043957	-0.0897982745	-0.0112908013
## 135	-0.0202707097	-0.1037620848	0.0296975388	-0.0160010173	0.0001074952
## 136	-0.0438476021	0.0593905084	0.0366429646	0.0171243066	0.0046915746
## 137	0.0217812938	0.0091793606	-0.0533835929	-0.0909085760	0.0593178425
## 138	0.0328468611	-0.0307308018	-0.0405540277	-0.0172518821	-0.0028772146
## 139	0.0290131638	0.0119097558	-0.0690114626	-0.0687926818	-0.0087503591
## 140	0.0425473656	0.0081253656	-0.0095366654	0.1134962565	0.0055026806
## 141	-0.0713317907	-0.0416604197	0.0061352334	0.0329749318	0.0322062899
## 142	-0.0525626639	-0.0505424621	0.0364441510	-0.0734264936	-0.0087857911
## 143	-0.0860650810	-0.0023879032	0.0291850958	0.0448515209	-0.0147654425
## 144	0.0660253054	-0.0161227824	-0.0317895329	0.0322999922	0.0302396690
## 145	0.0151722188	0.0442063539	-0.0122918904	0.0163149301	0.0552243738
## 146	0.0466119817	-0.0068071395	-0.0155658364	0.1076663238	0.0358501120
## 147	0.0240970155	0.0391045304	0.0056685069	0.0375870901	0.0084646185
## 148	0.0039987555	0.0487679870	0.0014790382	-0.0271930284	0.0912399901
## 149	0.0554828797	-0.0373419947	0.0518311818	-0.0174358518	-0.0094782130
## 150	0.0033924564	-0.0329761808	0.0217387446	0.1013001782	0.0654020769
## 151	-0.0170514087	0.0206439776	0.0611043197	0.0307727180	-0.0465244002
## 152	-0.0120956642	-0.0643482999	-0.0901069198	-0.0053860596	-0.0228054374
## 153	0.0500871597	0.0009270816	0.0180094446	0.0480745850	-0.0420870767
## 154	-0.0393626094	0.0256353118	-0.0175817260	-0.0532094497	0.0637368962
## 155	-0.0384181481	0.0292412335	0.0013229627	0.0243653373	-0.0167993257
## 156	-0.1033421509	-0.0258926279	-0.0230214592	0.0026849776	0.1008567308
## 157	0.0282092416	0.0120270198	-0.0418787157	-0.0151508663	-0.1282237425
## 158	0.0509278680	-0.0249384629	0.0503398545	0.0513550598	0.0016914207
## 159	-0.0559230496	0.0178708169	-0.0642929803	0.1089185301	-0.0446683666
## 160	-0.0684534961	-0.0086985645	-0.0968377629	-0.0527035560	0.0061701856
## 161	0.0302370744	0.0295458712	0.0109874109	-0.0223894986	0.0583397668
## 162	-0.0247778185	0.0289780412	-0.0361742961	-0.0259041075	0.0487848279

## 163	0.0220974082	-0.0180649254	-0.0432788224	0.0066530748	-0.0266720686
## 164	-0.0325484500	0.0984266686	0.0370862452	0.0197481429	-0.0664395583
## 165	-0.0195948437	-0.0613986477	-0.0322428956	-0.0738084089	0.0464264078
## 166	-0.0301666354	-0.0081617701	0.1070050164	0.0510019098	-0.1137537364
## 167	0.0433758887	-0.0084697531	0.0070228417	0.0399552844	0.0513801169
## 168	-0.0634054691	-0.0020833217	-0.0077424028	-0.0137251608	0.0192517800
## 169	0.0074687216	0.1028049071	0.0252238552	0.0220156528	0.0473958896
## 170	-0.0610510068	-0.0424435128	-0.0379965871	-0.0152473616	-0.0481599660
## 171	-0.0509712158	-0.0051772994	0.0714783094	-0.0757771223	-0.0344441329
## 172	-0.0190030515	-0.0860797414	-0.0266641734	0.0440015698	-0.0234183142
## 173	0.0060169403	-0.0256231342	-0.0299447472	0.0200187194	0.0086025577
## 174	0.0488476516	0.0324642831	0.0403208231	0.0199673383	-0.0000540164
## 175	-0.0273524072	0.0873359513	0.0064407026	0.0392257828	-0.0498728563
## 176	0.0561752531	0.0345724601	-0.0784605809	0.0280498600	-0.0169820620
## 177	0.0095634824	-0.0048649237	0.0365001404	-0.0352065360	0.0255846274
## 178	-0.0145092199	-0.0617497488	0.0147181927	-0.0292608580	-0.0820985871
## 179	0.0420787184	0.0093520045	-0.0159635829	0.0785596373	-0.0663607628
## 180	0.0251384433	0.0003965937	-0.0360002451	-0.0368727640	0.0136717113
## 181	0.0187904972	-0.0825930138	0.0286104072	0.0273594520	-0.0574631464
## 182	0.0272179370	0.0312154629	-0.0760624082	0.0158578148	-0.0993939088
## 183	-0.0620057308	-0.0172412287	0.0617024194	-0.0443810478	0.0093899526
## 184	-0.0096417530	0.0423749121	0.0392963383	0.0473015705	0.0181319546
## 185	0.0255408113	-0.0117750218	-0.0097229505	-0.0013488915	-0.0447059056
## 186	0.0939109029	-0.0083094224	0.0506695971	0.0763100573	0.0127370986
## 187	-0.0140837401	-0.0008678521	0.0355172448	0.0485129648	-0.0027253677
## 188	0.0122277338	0.0190091678	-0.0260679963	-0.0167914410	0.0537689026
## 189	0.0299171513	-0.0279683302	0.0659221201	-0.0059526270	-0.0772941705
## 190	0.0016286360	-0.0121678728	0.0413981113	-0.0839575170	0.0282310674
## 191	0.0046290590	-0.0057940463	-0.0295286927	0.0637804025	-0.0335847653
## 192	0.0433710546	0.0222703823	0.0067036172	-0.0414761405	-0.0226881861
## 193	-0.0324913270	-0.0128461866	0.0014002149	0.0741204493	0.1009459828
## 194	-0.0618567413	-0.0041648990	0.0253609989	-0.0893547703	0.0506750846
## 195	-0.0640430086	0.0490613387	0.0256532476	-0.0900725501	0.0725005861
## 196	-0.0141279073	-0.1063653838	0.0176916969	-0.0425137126	0.0067402561
## 197	-0.0753336524	-0.0758187693	0.0380014632	-0.0445096017	-0.0084724936
## 198	-0.0623528489	0.0111205897	-0.0336233293	-0.0230719348	0.0139045174
## 199	-0.0504456474	0.0218547060	0.1010243312	0.0022948894	-0.0134340087
##	V6	V7	V8	V9	V10
## 1	0.0458221656	0.0523198782	-7.886754e-03	-0.0285429114	-0.0477721535
## 2	-0.0138375697	-0.0586051686	-4.797178e-03	-0.0292119778	-0.0551659250
## 3	0.0051185045	0.0673176969	-3.165694e-02	-0.0056871818	-0.0049361207
## 4	0.0457364949	0.0524439568	1.750121e-02	-0.0057054843	0.0274719754
## 5	0.0067722495	-0.0273986507	4.874431e-03	-0.0551506593	0.0571280203
## 6	-0.0201086886	0.1080580189	1.790648e-03	0.0361384109	0.0800019738
## 7	-0.0075913278	-0.0400017246	-2.870044e-02	0.0113986107	-0.0284524373
## 8	-0.0453499708	-0.0547286088	-7.639069e-03	-0.0535578235	0.0342353137
## 9	-0.0300083018	0.0014461605	-2.685934e-02	-0.0127299566	-0.0229291961
## 10	0.0103785769	0.0315119862	-7.630245e-02	0.0212880122	-0.0373837044
## 11	-0.0312804128	0.0499193958	5.211111e-02	0.0112869303	0.0104165978
## 12	0.0078101291	0.0313199720	5.529233e-02	-0.0543748935	-0.0043403931
## 13	0.0415910806	-0.0880691921	3.434601e-02	-0.0025195329	0.0055762435
## 14	0.0660393230	0.0136121491	-7.102425e-02	0.0484599891	-0.0163982458
## 15	-0.0502611768	0.0246083368	-2.866398e-02	-0.0346038576	0.0416283720
## 16	0.0116372810	0.0194555167	2.136607e-02	-0.0031978999	0.0141943100

## 17	-0.0608055683	-0.0404746496	-7.277286e-02	-0.0403201638	0.0278014107
## 18	-0.0335636462	0.0394759494	3.883269e-02	-0.0361650145	0.0541770715
## 19	-0.0819344745	0.0092948112	3.116768e-02	-0.0401388497	0.0038365422
## 20	0.0235216642	-0.0259544080	2.993788e-03	0.0152121121	0.0399228841
## 21	0.0297254701	0.0450847553	-3.765165e-02	0.0460081845	0.0652225578
## 22	-0.0172230358	0.0617072924	-1.286763e-02	-0.0071517306	0.0715039999
## 23	0.0089785211	-0.0442038192	6.684105e-02	-0.0278917777	0.0479163545
## 24	-0.0589488452	-0.0030957894	-6.488664e-02	-0.0140961261	0.0640480115
## 25	0.0153701634	-0.0923319307	-1.928706e-03	0.0639965128	0.0265045733
## 26	-0.0343448851	-0.0430567346	-2.880968e-02	-0.0780675872	0.0610456264
## 27	0.0276659064	0.0178534761	-8.487458e-03	0.0158040348	0.0515256847
## 28	0.0485804580	-0.0106734619	1.267370e-02	0.0548020473	0.0052898867
## 29	0.0102485589	0.0633346868	7.593919e-02	-0.0024308556	0.0515720159
## 30	-0.0221982149	-0.0302598917	1.092354e-03	-0.0424353522	-0.0014904262
## 31	0.0041976957	0.0033636349	-3.847078e-02	-0.0703336822	0.0715756572
## 32	-0.0402899231	0.0167230644	6.575271e-02	0.0956347416	-0.0017439546
## 33	0.0733309490	0.1131556417	-3.089490e-02	0.0649335983	0.0075428391
## 34	-0.0522540827	-0.0225931122	-7.430507e-02	0.0298903572	0.1046559547
## 35	-0.0176370285	-0.0065292887	9.529111e-02	0.1393426105	0.0519661730
## 36	0.0135896176	-0.0278816312	1.180554e-01	-0.0042469740	-0.0075579314
## 37	0.0154503322	-0.0425946818	2.521616e-02	0.0146887665	-0.0809095282
## 38	-0.0149822369	0.0294789466	-1.453931e-02	0.0149847700	0.0279333283
## 39	0.0060108415	-0.0196273236	-7.835450e-03	0.0727905887	-0.0566712821
## 40	-0.0391838379	0.0087974199	7.584864e-02	0.0297056936	-0.0938231873
## 41	-0.0398546729	0.1081599737	5.668437e-02	-0.0149326982	-0.0053546644
## 42	0.0795927336	0.0348008915	-2.936413e-02	-0.0039725272	-0.0673499518
## 43	0.0678498252	0.0084646954	-6.063551e-02	-0.0334351667	-0.0690222550
## 44	0.0196360471	-0.0538628085	1.435527e-02	-0.0122335934	0.0188442764
## 45	-0.0379909813	0.0257260240	-6.691077e-02	-0.0157168915	0.0074773577
## 46	-0.0123574704	-0.0097465665	-2.789489e-02	0.0604235647	-0.0299401680
## 47	0.0118745094	0.0316134482	1.664533e-02	0.0559214411	-0.0551361288
## 48	0.0407538363	0.0494544526	6.310320e-02	0.0188264322	0.0130140388
## 49	-0.0447654472	0.0061854563	-8.465427e-02	-0.0476983464	-0.0191784563
## 50	-0.0148925616	0.0100664472	5.472963e-02	0.0527813447	-0.0739774846
## 51	0.0130989472	0.0911020446	1.136777e-01	0.0211018240	0.0007230158
## 52	-0.0951291938	0.0345692644	-5.238199e-02	0.0460694324	-0.0394387739
## 53	0.0531759813	0.0130581339	-1.699375e-02	-0.0210914749	0.0652340688
## 54	0.0871129423	-0.0452968402	-4.007216e-02	-0.0481819622	-0.0512519672
## 55	0.0478341445	-0.0055543559	2.602043e-02	-0.0211105059	0.0183508319
## 56	0.0044807213	-0.0022489955	-2.461982e-02	0.0256094011	0.0319639369
## 57	-0.0418651716	0.0209923859	3.123587e-02	-0.0350739670	-0.0018365316
## 58	-0.0551302016	0.0022357003	1.410102e-02	0.0288960091	-0.0758217540
## 59	-0.0269757174	-0.0084271856	1.478511e-02	-0.0326262280	0.0014900671
## 60	0.0549662928	0.0145652805	7.464369e-02	-0.0037805103	0.0041499590
## 61	0.0204880637	-0.0068583300	-2.480196e-02	-0.0499108901	0.0811996341
## 62	-0.0053056826	0.0122976155	4.875349e-02	-0.0496933200	0.0379977986
## 63	0.0148241038	-0.0535482704	6.742865e-02	0.0319040007	-0.0120899251
## 64	-0.1068176932	0.0024196697	-4.045726e-02	-0.0217984801	0.0983552937
## 65	0.0148526033	0.0636340073	-2.525828e-02	-0.0059799919	-0.0522528649
## 66	0.0277219844	-0.0376050158	1.365098e-02	0.0128475660	-0.0416314358
## 67	-0.0153072761	0.0584723611	6.458485e-02	-0.0350983567	-0.0131695016
## 68	0.0338635873	0.0413330508	1.404870e-02	-0.0975037994	-0.0873900641
## 69	-0.0176588187	0.0296376872	2.035883e-02	-0.0058885048	0.0146121300
## 70	-0.0150814304	0.0798868252	1.073682e-02	0.0096486634	-0.0316183994

## 71	0.0194647891	0.0431675745	2.262202e-03	0.0140914451	0.0423889456
## 72	0.0310813492	-0.0392242157	6.920510e-03	-0.0031345787	-0.1173293257
## 73	0.0215565350	0.0367804742	-2.789008e-02	0.0242711301	0.0782148981
## 74	-0.0436644195	-0.0315991505	5.674456e-02	0.0548800459	0.0082304112
## 75	0.0557052409	0.0396083823	-1.624593e-02	0.0153893042	0.0531632837
## 76	0.0160087202	0.0374596982	4.977800e-02	-0.0163232291	-0.0350135250
## 77	-0.0120257253	0.0267600022	-6.125196e-03	-0.0224449820	0.0252679373
## 78	-0.0181201031	0.0505404516	8.722247e-03	-0.0108540954	0.0159149239
## 79	0.0010987133	-0.0412215583	-3.663280e-02	0.0373375056	-0.0208674998
## 80	0.0707691551	-0.0294465469	-1.280791e-02	0.0599201250	-0.0304233401
## 81	-0.0081124943	-0.0044635573	-2.839723e-02	0.0257204399	0.0671707782
## 82	0.0128916805	-0.0082939139	-3.136841e-02	-0.0160943322	-0.1039456174
## 83	0.0054664208	-0.0255275578	-3.271899e-02	0.0615503869	-0.0301672656
## 84	0.0086098164	0.0125546818	1.733795e-02	0.0008290916	-0.0557661368
## 85	0.0152904996	0.0290646538	3.816622e-03	0.0138812383	-0.0255231979
## 86	-0.0154745827	-0.0617229137	-6.448276e-03	-0.0156206857	0.0574410884
## 87	0.0171884888	0.0453060056	-5.237186e-02	-0.0164509021	-0.0062376652
## 88	0.0025714837	-0.0388162519	1.162173e-02	0.0162770889	0.0631419014
## 89	0.0066522682	0.0246465121	-5.336357e-02	0.0572617641	-0.0148102985
## 90	0.0546795560	-0.0261508486	2.518984e-02	-0.0476651533	0.0044307111
## 91	0.0504134816	0.0505069160	-4.111285e-02	-0.0382001384	-0.0110292278
## 92	-0.0169015771	0.0108759366	7.987776e-03	-0.0089303354	0.0275162897
## 93	-0.0605602803	-0.0832055485	3.276884e-02	0.0153931684	0.0336599445
## 94	0.0083223332	0.0518530779	3.108998e-02	-0.0554295733	-0.1121348360
## 95	0.0323880388	0.0324680703	-6.636870e-02	-0.0017727743	-0.0423609091
## 96	-0.0179078419	0.0465784258	2.250531e-02	-0.0343859131	-0.0413911111
## 97	-0.0795769703	0.0654795335	5.539164e-02	0.0086692433	-0.0407652474
## 98	0.0013557899	-0.0781961915	-3.627785e-02	0.1129063152	0.0446573457
## 99	0.0327142733	0.0295603924	1.914816e-02	0.0237461772	-0.0459855808
## 100	0.0969960956	-0.0146861971	2.421061e-04	-0.0549553042	-0.0688508460
## 101	0.0397364610	-0.0730213832	3.816073e-02	0.0135301480	0.0830717708
## 102	0.0217200374	0.0181232165	8.541963e-02	0.0167958660	0.0089411248
## 103	0.0965089679	0.0799623072	-6.221759e-02	0.0037590939	-0.0196449601
## 104	-0.0288987698	0.0137785543	-2.601625e-03	-0.0725098694	-0.0584783389
## 105	0.0796912098	-0.0677018512	4.200041e-02	-0.0904292527	-0.0162684858
## 106	-0.0050532644	-0.0137644054	3.745208e-03	0.0068156808	0.0338422239
## 107	-0.0261270426	0.0788911327	2.161432e-02	-0.0396572938	-0.0340735233
## 108	-0.0166601210	-0.0162147101	1.055816e-02	-0.0104035201	-0.0128715518
## 109	0.0680845953	0.0176458988	6.687936e-02	-0.0452855772	-0.0564952573
## 110	0.0024045418	-0.0491590380	6.509454e-03	0.0515127155	-0.0742629031
## 111	0.0303839583	0.0768840248	-6.001536e-03	-0.0422698369	0.0522136853
## 112	0.0871409526	0.0824341940	2.237550e-02	0.0206644151	0.0119753575
## 113	0.0711192989	0.0070161342	4.137787e-02	0.0634627569	0.0003464509
## 114	-0.0148214365	0.0255517579	-9.313702e-03	0.0088714650	0.0243730039
## 115	-0.0203645275	0.0753241717	-1.031941e-01	0.0306472113	0.0450721952
## 116	-0.0269440315	0.0486126836	4.052688e-02	-0.0010331734	0.0737459905
## 117	0.0005132269	0.0310312630	1.409314e-02	0.0200310713	-0.0122353436
## 118	-0.0238217201	0.0107811149	-1.612271e-02	-0.0227413071	0.0573349885
## 119	-0.0731318269	-0.0351789681	-4.679396e-03	0.0676669374	-0.0226893682
## 120	0.0370866538	-0.0096457156	-5.367970e-02	0.0025490502	-0.0279469573
## 121	0.0473820904	-0.0661535086	4.199679e-02	0.0080770273	0.0031119026
## 122	-0.0362845039	0.0200344921	2.324827e-02	-0.0135409763	-0.0285908368
## 123	0.0072092203	-0.0082943539	-3.017685e-02	-0.0319456671	0.0040122372
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## 125 -0.0493120475 0.0226961068 -5.563776e-03 0.0758928671 -0.0406102976
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## 132 -0.0037431811 0.0099850039 2.355777e-02 -0.0425527868 -0.0387130840
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## 145 -0.0157131565 -0.0315142949 -6.707273e-03 0.0556824869 0.0337712168
## 146 0.0349263201 0.0045612749 6.765364e-02 -0.0275386934 -0.0446537874
## 147 -0.0244984752 -0.0275745125 4.766444e-02 0.0069861746 -0.0540980762
## 148 0.0090937875 0.0600633545 3.237212e-02 -0.0050794260 -0.0351641745
## 149 -0.0220017059 -0.0331276194 3.077775e-04 0.0642502504 -0.0075368154
## 150 -0.0459229597 -0.0135347930 9.282756e-02 -0.0269381237 0.0463821028
## 151 0.0044017175 0.1310789193 -2.107442e-02 0.0087092998 -0.0554895651
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## 155 -0.0274496152 0.0825811486 -9.161657e-04 -0.0230692469 0.0026658493
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## 162 -0.0219374627 -0.0409050563 5.801220e-02 0.0145796975 -0.0081727300
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## 165 -0.0137416695 -0.0607574210 -1.263238e-02 0.0001193722 0.0362660736
## 166 -0.0177256094 -0.0640425300 1.031032e-02 -0.0073432344 -0.0222495525
## 167 0.0838677362 -0.0181283821 1.068239e-01 0.0311752638 -0.0561546196
## 168 0.0490720556 0.0445280181 2.269148e-02 -0.0275515945 -0.0363304177
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## 175 -0.0812736895 -0.0165856270 -2.488223e-02 0.0260792745 -0.0437144198
## 176 0.0022288042 0.0004400921 8.080017e-02 -0.0136788834 0.0096858366
## 177 0.0132237554 0.0287042663 7.543103e-02 0.0338881388 0.0242662971
## 178 -0.1086534255 -0.0207902505 -5.973430e-04 0.0766195853 0.03171110740

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## 179 -0.0567819030 0.0007778376 -3.885700e-02 -0.0101537392 -0.0023024897
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## 181 -0.0225442469 -0.0352783212 -6.029925e-05 -0.0091100066 0.0604351912
## 182 -0.0321863404 0.0118896889 3.030204e-03 0.0182670019 0.0018497327
## 183 -0.0457447213 0.0603764148 -2.003977e-02 0.0193663724 0.0203577013
## 184 0.0328295308 0.0193275621 -7.867439e-02 -0.0259066941 -0.0461674054
## 185 0.0550173116 0.0197546126 2.855614e-03 -0.0372530947 -0.0723445909
## 186 -0.0478312037 -0.0311690672 2.492397e-02 0.0620652079 -0.0026288400
## 187 -0.0305962002 -0.0421865737 3.991606e-02 -0.0061054606 0.0833864419
## 188 -0.1157059432 0.0387486489 -5.594195e-02 0.0041174840 -0.0052810047
## 189 -0.0015607888 0.0804763588 4.171636e-02 -0.0157947923 0.0055030835
## 190 -0.0655720376 0.0142268774 -1.224431e-01 0.0205335800 -0.0058948884
## 191 -0.0020406336 -0.0203972690 1.476246e-02 -0.0031226872 -0.0119353636
## 192 -0.0143221965 0.1042620825 8.998280e-02 -0.0655625654 -0.0865731859
## 193 0.0312751410 0.0151903593 -4.276792e-03 0.0020317551 0.0418512771
## 194 0.0461651464 -0.0097268326 1.905816e-02 -0.0302041369 -0.0355817442
## 195 0.0700229802 -0.0119290057 -5.450022e-02 0.0025575645 0.0185194169
## 196 -0.0633368518 0.0126046161 -5.914510e-02 0.0137870054 0.0135595527
## 197 0.0201571993 -0.0457827613 -6.261118e-02 0.0387512249 -0.0066704834
## 198 0.0687215166 0.0048339185 2.784377e-02 -0.0503499717 0.0133770328
## 199 -0.0833128845 -0.0444879332 -3.817418e-02 0.0394518186 -0.0286778268
##          V11          V12          V13          V14          V15
## 1 0.0642351870 0.0678786264 -1.267961e-02 -0.0488595415 0.0424673614
## 2 0.0134514338 -0.0197759817 -6.484973e-02 -0.0020487941 0.0528610451
## 3 0.0045178725 -0.0432572322 -9.245266e-05 0.0344172743 -0.0396367814
## 4 -0.0120622356 -0.0469247289 4.715793e-02 -0.0487282198 0.0437387739
## 5 -0.0727005548 -0.0375274840 -4.835153e-02 -0.0596784404 0.0114650800
## 6 0.0477808626 -0.0600453228 -7.737392e-03 0.0958617749 0.0713916276
## 7 0.0249434908 -0.0803843906 -2.217346e-02 0.0251651211 0.0186427220
## 8 -0.0756446021 0.0079023820 -8.860322e-02 -0.0023664177 -0.0223214057
## 9 -0.0523173342 -0.0304364822 1.185158e-02 0.0420003930 0.0058335594
## 10 0.0226960671 -0.0301546187 -1.893888e-02 0.0078880629 0.0453233376
## 11 0.0009138480 0.0268925273 7.428587e-02 -0.0183909634 -0.0079486162
## 12 -0.0093232659 0.0096861678 7.428524e-03 -0.0262012952 -0.0418246560
## 13 -0.0146659036 -0.0169491234 -1.798150e-02 0.0911850797 0.0167401349
## 14 -0.0556169433 -0.0133323962 -6.628094e-02 -0.0068805085 -0.0807100667
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## 16 0.0007126260 -0.0559294199 5.101990e-02 -0.0162666445 -0.0553039633
## 17 -0.0111976319 -0.0413183276 3.457057e-02 -0.0685896621 -0.0747187832
## 18 -0.0318420580 -0.0452652256 3.748699e-02 0.0853207705 -0.0507714505
## 19 -0.0740591323 -0.0247487437 -7.079176e-02 -0.0560232203 0.0146831265
## 20 -0.0150858372 0.0580387013 1.055900e-02 -0.0024453816 -0.0209630775
## 21 -0.0341010276 -0.0187583460 3.723764e-02 0.0130586171 -0.0475835799
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## 23 -0.0521733179 0.0653821575 -2.605981e-02 0.0220410706 0.0807368666
## 24 0.0121681342 -0.1150961734 -2.953651e-03 0.0078067316 -0.0307786836
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## 33 0.0686301096 0.0277503872 -6.871978e-03 -0.0152804305 0.0082998415
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## 35 0.0157206868 -0.0048367919 -1.935599e-02 0.0038838214 0.0151767082
## 36 -0.0052159638 -0.0714824669 8.923987e-02 0.0431046675 -0.0312149666
## 37 -0.0046551140 0.0187933890 4.100368e-02 0.0008595411 0.0379503391
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## 45 0.0794947891 -0.0577707377 5.021801e-02 -0.0530248251 0.0553170048
## 46 -0.0809439641 -0.0346823370 1.302167e-03 0.0133612695 -0.0098448055
## 47 -0.0165287314 -0.0134873829 -3.947441e-03 0.0485015296 0.1049762564
## 48 0.0233093582 -0.0563603924 -4.205629e-03 -0.0701515664 -0.0417756105
## 49 -0.0196024765 -0.0416813631 3.687460e-02 0.0613994983 -0.0077533787
## 50 0.0638660605 -0.0379954622 1.292851e-02 -0.0135926564 0.0138991635
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## 54 -0.0508624894 0.0226394881 5.822542e-02 0.0373185267 0.0892418549
## 55 -0.0100748776 -0.0333663687 5.690713e-02 0.0771840610 0.0646295720
## 56 -0.0480012289 0.0352495064 1.269629e-02 -0.0276709117 0.0653343591
## 57 0.0009972309 -0.0352497687 4.826839e-02 -0.0127078169 0.0589111252
## 58 -0.0668428658 -0.0004926523 -1.736889e-03 0.0291482748 -0.0343061708
## 59 0.0466116046 0.0239395623 -3.816712e-02 -0.0176248084 -0.0036765067
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## 62 -0.0529599944 0.0684604307 -1.564794e-02 -0.0022409879 0.0199831135
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## 65 -0.0640562450 0.0171565362 1.299031e-03 -0.0028073709 0.0254368212
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## 68 0.0135810723 -0.0025997206 -1.668838e-02 0.0084082741 -0.0130937404
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## 70 0.0317761127 -0.0806884727 1.585159e-02 0.0147877019 0.0519956186
## 71 0.0719504091 -0.0218235084 7.949102e-02 0.0523172721 0.0193744310
## 72 -0.0043899407 -0.0274204825 2.098015e-02 0.0238466798 0.0657219647
## 73 0.0612712762 0.0172954606 -2.061716e-02 0.0656647367 0.0097771738
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## 77 -0.0290125112 -0.0722413890 -7.123984e-03 -0.0219987815 0.0035376387
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## 81 -0.0099804649 0.0438216897 7.271513e-02 0.0115843390 -0.0249376494
## 82 0.1185502051 0.0284524169 1.778034e-02 -0.0190694349 -0.0302085189
## 83 -0.0887285544 -0.0581349811 1.695156e-02 0.0592306261 0.0278339011
## 84 0.0733738849 0.0375954558 5.061952e-02 -0.0425831624 -0.0075041245
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## 87 -0.0144234086 -0.0349116550 1.943528e-02 0.0129130775 0.0545109801
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## 94 -0.0127582035 -0.0212859179 -2.771439e-02 -0.0429572913 -0.0097028557
## 95 0.0035725478 -0.0787191938 -1.831684e-02 -0.0169536351 0.0094296443
## 96 0.0393491531 0.0455268861 5.476140e-02 -0.0211158138 0.0490963421
## 97 0.0466947740 -0.1177902393 -2.712272e-02 -0.0036025425 0.0222419836
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## 99 -0.0187544192 -0.0492762527 2.650158e-02 -0.0139456592 0.0120965339
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## 107 0.0056694376 0.0397411628 2.168192e-02 -0.0224897797 0.0252793528
## 108 -0.0257618054 -0.0389767017 6.977926e-02 0.0358495332 -0.0002380254
## 109 -0.0133380560 0.0460450443 1.652053e-02 -0.0004066388 0.0311458758
## 110 0.0057202908 -0.0406065164 1.040097e-02 0.0443588507 -0.0467040325
## 111 0.0013856428 -0.0764978092 -6.276829e-02 0.1057747848 -0.0187918093
## 112 0.0329667572 -0.0504548021 1.607643e-04 -0.0697504022 -0.0350189387
## 113 0.0744548989 -0.0354395567 -5.634494e-02 -0.0110624419 -0.0156804977
## 114 0.0733617603 0.0055335805 2.876614e-02 -0.1177009918 -0.0901639957
## 115 0.0309138678 -0.0224776871 -4.398479e-02 -0.0633844235 0.0262074929
## 116 0.1249717994 -0.0497648081 1.575333e-02 0.0311764436 -0.0214630181
## 117 0.0121689711 -0.0551050101 3.988730e-02 -0.0525363708 -0.0244156925
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## 119 0.0154560981 0.0559039583 5.069962e-02 0.0248711933 -0.0334965213
## 120 -0.0130603008 -0.0454045614 -5.562731e-03 -0.0062263829 -0.1238839289
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## 138 0.0634742876 0.0828869653 1.451842e-02 -0.0417693204 -0.0194336591
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## 141 -0.0292984815 0.1096077552 -5.046477e-02 -0.0114644921 0.0002678821
## 142 0.0074989883 -0.0030609933 7.320596e-03 -0.0762542199 -0.0704251891
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## 154 -0.0664978654 0.0314028207 1.350149e-02 0.0195544509 -0.0146885163
## 155 -0.0260517995 0.0676476501 -7.752844e-02 0.0573770145 -0.0438512062
## 156 0.0342858329 -0.0182623723 1.125447e-03 -0.0430303750 0.0332385111
## 157 -0.0108658853 -0.0028719768 -1.234869e-02 -0.0083151299 0.0274442532
## 158 -0.0187194870 -0.0008154397 9.882025e-02 -0.0040084385 0.0390344491
## 159 -0.0313551130 -0.0089366029 6.609017e-02 -0.0139093140 0.0982981907
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## 161 -0.0113988395 -0.0091170258 -1.475522e-04 0.0043130222 -0.0101775473
## 162 -0.0021277059 0.0256534533 4.250618e-02 0.0639783622 0.0052444198
## 163 0.0271286909 -0.0178912411 -2.813092e-02 0.0621041820 -0.0517490547
## 164 0.1160911155 -0.0076230290 1.721233e-02 0.0373773646 -0.0361047311
## 165 0.0069548907 -0.0477453315 -1.558507e-02 -0.0195904315 0.0573369692
## 166 0.0716102606 -0.0567873527 1.908866e-02 0.0050409132 -0.0007647263
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## 179 -0.0143841035 0.0147635294 1.164879e-02 0.0092759083 0.0158441713
## 180 -0.0905980337 0.0517208619 -1.921541e-02 -0.0224568732 -0.0006866080
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## 183 0.0335716232 -0.0503362370 1.998486e-02 -0.1223398328 -0.0144733001
## 184 0.0834994348 0.0278647063 2.497185e-02 0.0118071346 0.0283081884
## 185 0.0184699636 0.0561814691 4.285463e-02 -0.0042084588 -0.0789235844
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## 189 0.0091739321 0.0317640120 -4.206119e-02 0.0075080564 -0.1077952496
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## 193 -0.0154749492 0.0247809227 6.939163e-03 -0.0127670124 -0.0243230219
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## 195	0.1472063467	-0.0926588499	3.708467e-02	0.0058537320	-0.0395061727
## 196	-0.0230244487	0.0722006015	1.951108e-02	-0.0087230127	0.0075810604
## 197	0.0756726006	0.0458647894	-3.943938e-02	0.0219929806	-0.0711741870
## 198	0.0154425486	0.0195232241	-3.200969e-02	0.0276751592	0.0427972840
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##	V16	V17	V18	V19	V20
## 1	-0.0513158249	0.024137414	0.0023933211	-0.0450041690	0.0214270015
## 2	-0.0233791538	0.070817563	0.0570143318	-0.0340781946	-0.0161447860
## 3	0.0153794154	-0.046208714	-0.0330489214	0.0202324595	0.0318525742
## 4	-0.0292945193	-0.069904528	0.0167313554	-0.0094160674	-0.0193778269
## 5	-0.0243242763	-0.069718836	-0.0150718855	0.0103051754	0.0406726895
## 6	-0.0929694303	-0.047980171	0.0255797829	-0.0085326650	0.0476142191
## 7	0.0421912806	-0.015758756	-0.0073235560	0.0448004711	-0.0379550629
## 8	0.0454190441	0.073029277	0.0523984332	0.0220459372	0.0392674306
## 9	-0.0658766227	-0.007097614	-0.0387732543	0.0187627693	0.0607549171
## 10	0.0375212878	0.065528634	-0.0515894329	0.0315927744	-0.0104180007
## 11	0.0121377593	0.042825909	-0.0606660148	0.0173598119	-0.1056490217
## 12	0.0528590930	-0.021949288	0.0174438211	0.0401719201	0.1022771116
## 13	0.0356077879	0.040194169	-0.0535183964	0.0294260090	-0.0128059601
## 14	-0.0957450366	-0.018222725	0.0442580477	-0.0444050333	-0.0240672633
## 15	0.0269955504	-0.031645424	-0.0008211492	-0.0449478703	-0.0176918211
## 16	-0.0154661466	0.021189483	-0.0426125200	0.0285199495	0.0376489810
## 17	0.0055546810	-0.003108426	-0.0408480675	0.0144488956	0.0574000734
## 18	0.0305401245	-0.067315382	-0.0323762198	0.0841059191	0.0794953319
## 19	0.0275047060	0.004261039	0.0619616420	0.0236999505	-0.0585398964
## 20	0.0496909693	0.025398147	-0.0657804832	0.0070420026	0.0715302105
## 21	0.0745685378	0.007848262	-0.0464718802	0.0731638794	-0.0126646754
## 22	-0.0132152278	0.014894827	0.0697339155	-0.0205332023	0.0045986800
## 23	0.0978456872	-0.044672841	0.0089025374	-0.1033728639	0.0411805631
## 24	0.0246419701	-0.012343267	-0.0735022521	0.0292894571	-0.1102230286
## 25	-0.0273367480	-0.006103286	-0.0266112446	0.0055509740	0.0290120867
## 26	0.0223488223	-0.046326933	-0.0712350426	-0.0451241202	-0.0339064774
## 27	-0.0251622333	0.018713645	-0.0355273235	-0.0305935651	-0.0894056148
## 28	0.0138094895	0.027708522	0.0697655036	0.0287302319	0.0276341049
## 29	-0.0697794323	-0.041112742	0.0599187247	0.0480697622	-0.0155774288
## 30	0.0217801538	-0.048510607	-0.0234800929	0.0578736273	-0.0030412747
## 31	0.0045478982	0.062825464	-0.0374984217	-0.0125207192	-0.0282962916
## 32	-0.0162820016	-0.023296012	-0.0615371150	-0.0436837480	-0.0288912993
## 33	-0.0167628765	-0.007951770	0.0040647859	-0.0597742519	-0.0037815323
## 34	0.0056951984	-0.006727516	0.0406645588	-0.0046351026	-0.0014900592
## 35	-0.1118416145	0.058023853	0.0093707926	-0.0651653299	-0.0176489484
## 36	-0.0381657378	-0.027005818	-0.0209223207	0.0226709204	-0.0007971861
## 37	0.0595458988	-0.038756503	-0.0541482151	0.0952443234	0.0319502977
## 38	-0.0180525035	-0.017305635	-0.0676134995	-0.0905598261	-0.0519901185
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## 40	0.0034828339	-0.013127370	0.0075681863	-0.0059044285	-0.0451171788
## 41	-0.0051418269	0.066310776	0.0680310495	-0.0132448556	-0.0083544666
## 42	0.0334578060	-0.028491844	0.0096537247	-0.0094001474	0.0758915095
## 43	0.0196961114	-0.026654689	-0.0913360840	-0.0222403441	0.0791185021
## 44	-0.0517237817	0.026580858	0.0190576389	-0.0998367087	-0.0633616364
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## 46	0.0241402212	-0.037139208	-0.0910405988	-0.0290510059	-0.0642888367
## 47	0.0336620428	0.060362301	0.0946494111	0.0640297993	-0.0549702034
## 48	-0.0396151756	0.008215910	0.0266282752	-0.0417611115	-0.0035742306

## 49	-0.0265104489	0.075137419	0.0295174963	-0.0222405492	0.0135505702
## 50	-0.0076957600	0.042840204	0.0123873833	0.0385156590	-0.0628774893
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## 54	-0.0578654496	-0.036892813	0.1363971417	-0.0500136705	0.0513980726
## 55	0.0002221923	-0.017083051	0.0215452842	-0.0395288888	0.0235505572
## 56	0.0666645733	0.027184700	-0.0061579556	-0.0113882074	-0.0316484739
## 57	0.0084556164	0.079199148	-0.0599041925	-0.0689567053	0.0239798341
## 58	0.0708630593	-0.036442172	0.0258565791	-0.0487862886	0.0025480463
## 59	-0.0127324975	-0.036085726	-0.0357272221	0.0412723219	-0.0503330183
## 60	-0.0692172945	0.067614740	0.0311720426	-0.0141216222	-0.0164683031
## 61	0.0199567832	-0.134421553	-0.0253874885	-0.0516828526	0.0536581874
## 62	-0.0007816118	-0.058486279	0.0528618423	0.0485031753	-0.0054727891
## 63	0.0120293415	0.010502990	0.0501556772	-0.0425804137	-0.0544504795
## 64	-0.0336109885	0.008228570	0.0074854162	0.0694281367	0.0232897357
## 65	0.0041459410	-0.058686083	0.0488973755	-0.0049662771	-0.0033974331
## 66	-0.0329740525	0.035859122	-0.0531949234	-0.0807362809	0.0014235412
## 67	-0.0154967631	-0.013622001	0.0076027632	-0.0220431445	0.0418548690
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## 69	0.0435261195	0.028803439	0.0559570465	0.0319589749	0.0102043522
## 70	-0.0407993148	-0.020708991	0.0774922335	-0.0012696886	-0.0168045938
## 71	-0.0224805066	-0.005231597	-0.0808366778	0.0317906729	-0.0351479289
## 72	0.0748999942	-0.033402038	0.0594658835	-0.0409111524	-0.0337550867
## 73	0.0896650926	-0.030066089	-0.0168612539	-0.0103097757	0.0135717276
## 74	-0.0481002908	-0.023265456	0.0436086668	0.0710004587	-0.0667028065
## 75	-0.0128179206	-0.018225464	0.0228205344	0.0600669382	-0.0710842026
## 76	-0.0663915450	-0.014678022	0.0586662613	-0.0257316025	0.0394351500
## 77	-0.0376483238	-0.022257311	-0.0248761390	0.0366813231	-0.0482198239
## 78	-0.0232058524	0.029286847	-0.0380127622	-0.0074889524	-0.0241761927
## 79	0.0321316238	-0.012824080	0.0124960816	-0.0119602536	-0.0034509226
## 80	-0.0498719945	0.034095979	0.0418580827	-0.0114626638	0.0114822318
## 81	-0.0016960123	0.022886200	0.0725378545	-0.0468541419	0.0613333394
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## 85	0.0348925736	0.069053166	0.0227038420	0.0767211429	0.0028124644
## 86	-0.0105012238	0.047929526	0.0142797131	-0.0280318784	0.0520750748
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## 91	-0.0027632933	0.031391112	-0.0521772371	0.0171584924	0.0342382898
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## 93	-0.0089854034	-0.101352101	-0.0020645937	-0.0091327038	0.0227492077
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## 99	0.0424413467	-0.011476315	-0.0893186552	0.1135504913	-0.0282188681
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## 101	-0.0724542862	0.017389437	-0.0184234258	0.0334041826	0.0226092808
## 102	0.0298344456	-0.020193271	0.0640633871	0.0038558339	0.0515410888

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## 103 0.0492609522 -0.024248432 -0.0590857339 0.0292734567 -0.0218254392
## 104 0.0150913412 -0.038708586 0.0165265065 -0.0372146421 -0.0135346243
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## 156 0.0035604720 -0.027562324 -0.0167637914 0.0250899797 0.0434877662

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## 157 -0.0112479789 0.068215412 0.0115776046 -0.0030002329 0.0253377962
## 158 -0.0080409252 -0.041583398 0.0272698765 0.0483276568 0.0414902527
## 159 -0.0355084184 0.001624201 -0.0269891706 0.0515275335 0.0581503652
## 160 -0.0813040783 0.012763312 -0.0055477219 0.0688563112 -0.0110904078
## 161 0.0825947602 0.008329050 0.0692571188 -0.0569424698 -0.0634868378
## 162 0.0377478790 0.042440919 0.0419179602 -0.0126762126 -0.0121604941
## 163 0.0825406758 0.053860274 0.0457071518 -0.0778540530 -0.0464269120
## 164 0.0115209026 -0.035574739 0.0182529835 0.0507576731 -0.0465163338
## 165 0.1101811588 0.000674201 -0.0137950192 -0.0336963871 -0.0328316841
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## 197 -0.0667723063 -0.012635052 -0.0758057602 0.0645758182 0.0516360466
## 198 -0.0242255565 -0.107662356 -0.0287745360 -0.0338901089 -0.0490086748
## 199 -0.0767889625 0.033598859 -0.0618720302 -0.0249383751 -0.0211871946
##          V21          V22          V23          V24          V25
## 1 0.0453831146 -0.0758078874 1.119517e-03 -0.0529776993 -0.0168415758
## 2 -0.0002695177 0.0083677039 2.863798e-02 -0.0019031285 -0.0095925714
## 3 0.0734721124 -0.0319858124 -4.631085e-02 0.0428283769 -0.0815159488
## 4 0.0229503366 0.0103282980 -2.165353e-03 0.0407229623 -0.0645227419
## 5 -0.0403276705 -0.0613988895 -6.527802e-02 0.0039459189 0.0254015770
## 6 -0.0734925789 -0.0666848406 -1.162730e-02 0.0467686794 0.0183299993
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## 9 -0.0764939312 -0.0205233562 4.539249e-04 -0.0004226773 0.0103082838
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## 11	0.0967918898	0.0909356703	4.114800e-03	-0.0199814444	-0.0838136895
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## 22	-0.0029352702	0.0203826246	-3.345880e-02	-0.0240865299	0.0597303770
## 23	-0.0115506364	0.0176776524	-3.487882e-02	-0.0108657078	-0.0953605516
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## 28	-0.0012604112	0.1175294135	-4.857432e-02	-0.0375679072	-0.0406954882
## 29	-0.0499457637	-0.0117963229	2.714896e-03	0.0486513911	0.0540138257
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## 32	0.0200230043	-0.0573203890	-4.654174e-02	-0.0393170430	-0.0323874939
## 33	0.0095049958	-0.0591058150	5.172988e-03	-0.0227323241	0.0826928686
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## 36	-0.0843686197	-0.0117244867	-6.682590e-03	0.0215621709	0.0199200655
## 37	-0.0260539145	-0.0286802353	4.027078e-02	0.0236834177	-0.0468838500
## 38	0.0443365987	0.0959750811	-3.852460e-02	0.0037087402	-0.0002066014
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## 42	-0.0667468982	-0.0438385602	-3.058812e-02	-0.0276096854	0.0750093834
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## 45	-0.0527593680	-0.0494147347	3.959045e-03	0.0052612777	-0.0220175643
## 46	-0.0772729877	0.0030448668	-3.868209e-02	-0.0046304951	0.0151020351
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## 48	-0.0464809964	-0.0387455735	3.876279e-03	0.0480810311	0.0024443527
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## 50	0.0417968376	-0.0722678832	2.777223e-02	0.0687837413	0.0931416771
## 51	0.0518756366	0.0298901644	5.450538e-02	0.0558190218	-0.0056581931
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## 53	0.0481209190	-0.0104435619	-1.088890e-01	0.0187768559	-0.0456451492
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## 62	-0.0176496640	0.0716791576	5.012732e-03	-0.0072495501	-0.0620114395
## 63	-0.0330008059	-0.0167048461	-5.117102e-02	-0.0038385069	0.0029821464
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## 68	0.0466958257	0.0268926689	5.752542e-02	-0.0332255223	0.0425109736
## 69	0.0288590349	-0.0134577925	3.184199e-02	0.0623106311	-0.0041823518
## 70	-0.0633262927	0.0047551494	-5.514564e-02	-0.0189075517	0.0158662476
## 71	-0.0254815487	-0.0198529498	-8.415202e-02	-0.0498367258	0.0091713500
## 72	-0.0018919242	0.0087460117	-3.178169e-02	-0.0637423696	0.0516875721
## 73	0.0411210319	0.0223330281	-4.779940e-02	-0.0066767815	0.0100676930
## 74	-0.0177874834	0.0102029447	5.471775e-02	0.0532976468	0.0160553072
## 75	-0.0527194414	-0.0512802227	-3.738375e-03	-0.0413126424	-0.0152874783
## 76	-0.0065524634	0.0001792976	1.701429e-02	0.0229806594	-0.0275534368
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## 78	0.0523452099	-0.0172322978	-2.569990e-02	-0.0014147499	-0.0002079809
## 79	0.0285034057	0.0186810649	1.464740e-02	0.0271674915	0.0397339084
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## 83	-0.0010275044	0.0289474307	-8.017369e-03	0.0264098653	0.0470036021
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## 87	-0.0434824985	-0.0660214105	5.515339e-02	-0.0057328388	-0.0335718856
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## 153 -0.0712756907 0.0087966522 -3.602681e-03 -0.0236606006 -0.0197155887
## 154 0.0828832188 0.0263512086 5.031327e-02 0.0719881621 -0.0091025113
## 155 0.0513048972 0.0496125931 5.771060e-02 -0.0024797948 0.0044045630
## 156 -0.0120978474 0.0333203711 -4.496093e-02 0.0263340876 -0.0488812688
## 157 0.0042263561 -0.0287529380 3.162468e-02 -0.0220685415 -0.0335661180
## 158 0.0174604997 -0.0451660212 -7.652566e-02 -0.0344243367 -0.0442959241
## 159 0.0028612796 0.0558008596 1.436949e-02 0.0061276264 0.1299342979
## 160 -0.0301921952 0.0337314066 -3.599434e-02 0.0302190791 0.0455360268
## 161 -0.0204819182 -0.0117812302 4.192092e-02 -0.0635470212 -0.0462176965
## 162 -0.0188826470 -0.0079509162 -1.080456e-01 -0.0186035478 0.0300647548
## 163 0.1275736238 -0.1134472881 1.284710e-02 -0.0160008592 0.0277617393
## 164 0.0176063644 0.0036449658 1.071276e-02 -0.0863525625 -0.0577537863
## 165 -0.0023196709 0.0151957500 -4.833345e-02 0.0239585239 0.0527970604
## 166 -0.0856477664 0.0612079562 6.381791e-02 0.0130253275 0.0134640111
## 167 -0.0004409942 -0.0011897762 -6.893154e-02 0.0456306090 0.0650367751
## 168 -0.0139285891 0.0111961428 -1.760519e-02 -0.0145063836 -0.0032828639
## 169 -0.0096480835 -0.0306250753 -6.283749e-02 0.0194090052 -0.0197381184
## 170 0.0680288737 -0.0258159969 3.994822e-03 0.0180048528 0.0321761036
## 171 -0.0157553745 0.0304184839 7.233760e-03 0.0735602473 0.0689416908
## 172 0.0191404841 0.0359547201 -6.503822e-02 -0.0010711579 0.0584287251

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## 173	0.0396671171	-0.0184364383	2.764123e-02	0.0110737642	-0.0427800395
## 174	-0.1643294569	-0.0150707241	2.099460e-02	-0.0522672179	0.1003782904
## 175	-0.0187753639	0.0135595040	-5.012813e-02	-0.0743283420	0.0155040645
## 176	-0.0893036657	0.0819300215	2.652030e-02	0.0532962279	0.0540013949
## 177	0.0100916294	-0.0368118227	-1.519529e-02	0.0166132356	-0.0497969661
## 178	0.0104037917	0.0107809697	-1.008455e-02	0.0200840308	-0.0855300325
## 179	-0.0117188090	0.0098369980	-3.957855e-02	0.0073977187	-0.0500336804
## 180	0.0026622971	-0.0969770078	6.650105e-02	0.0398519868	0.0877708271
## 181	0.0096030927	-0.0722915300	1.572473e-02	-0.0602504083	0.0184450938
## 182	-0.0332313049	-0.0803983331	-5.683932e-02	0.0020871905	0.0129346215
## 183	0.0103135394	0.0274311350	7.641631e-03	0.0402221797	-0.0167717136
## 184	-0.0019485402	-0.0017037507	-4.590617e-02	-0.0305397223	-0.0193470598
## 185	-0.0400292236	-0.0302173077	-1.068867e-02	-0.0178903188	-0.0507790473
## 186	0.0021231193	0.0377006404	1.070324e-02	0.0408370345	0.0283253841
## 187	-0.0315998983	0.0399012722	2.920205e-02	-0.0009970867	-0.0716406677
## 188	0.0772976516	0.0074133886	-2.273982e-02	0.0415705435	0.0347451649
## 189	0.0521694360	-0.0353358035	1.569106e-03	0.0346829263	-0.0659596533
## 190	0.0005498740	-0.0489773002	-1.041263e-01	0.0146965428	0.0094208251
## 191	-0.0318295628	0.0666193430	-8.730572e-02	-0.0288158014	-0.0050154395
## 192	0.0041347727	0.0190647977	3.671379e-02	0.0474392717	-0.0394103756
## 193	0.0316918227	-0.0559336695	-1.283450e-02	0.0117111925	0.0574410408
## 194	0.0279109925	0.0732630271	-7.839754e-03	-0.0258975159	-0.0277221941
## 195	0.0902673048	-0.0172805535	-4.901433e-02	0.0139505845	0.0408930514
## 196	-0.0170705421	0.0251281219	6.366419e-02	-0.0364864986	-0.0248565024
## 197	0.0361766140	0.0068253750	-6.872090e-03	0.0093064769	0.0355661193
## 198	0.0166438300	-0.0274069575	3.173564e-02	0.0246324357	-0.0200404131
## 199	0.0376796405	0.0292360486	-3.754790e-02	-0.0016022100	-0.0278911513
##	V26	V27	V28	V29	V30
## 1	-0.0255336690	0.0035034809	0.0463978974	-0.0219881856	-0.0347797986
## 2	0.0503626817	-0.0248442674	-0.0182491579	0.0211745924	0.0090680709
## 3	0.0414994933	-0.0498914357	-0.0275459291	0.0324264393	0.0465066340
## 4	-0.0621348915	-0.0230168689	-0.0887420948	-0.0560389392	-0.0021366128
## 5	0.0856002323	-0.0234732286	-0.0111599090	0.0394013295	-0.0334407014
## 6	0.0277441456	0.0572613000	-0.0041336359	-0.0978925478	-0.0335084655
## 7	0.0228804535	0.0729116235	0.1065740262	0.0588644038	0.0043966884
## 8	0.0162577075	-0.0041194245	-0.0040326337	0.0596412034	-0.0512191335
## 9	-0.0922857643	0.0721702906	-0.0120489650	0.0208325296	-0.0083058871
## 10	0.0497160412	0.0543749264	0.0420184164	-0.0127216040	0.0113047373
## 11	-0.0433612114	-0.0498389346	0.0023736488	-0.0324382228	-0.0031455997
## 12	-0.0125773779	-0.0422513060	0.0089081462	-0.0023000007	-0.0579841521
## 13	-0.0007996302	-0.0127808071	0.0321346222	0.0064257379	0.0558959736
## 14	0.0212372976	-0.0695913380	0.0152919498	0.0451969014	-0.0219145197
## 15	-0.0507418653	-0.0385884416	-0.0341855535	0.0114701507	0.0147346164
## 16	0.0846352159	0.0039365159	0.0355654138	-0.0041351783	-0.0411870315
## 17	0.0438599511	-0.0323937664	0.0772557000	0.0292897534	0.0401109259
## 18	-0.0737140162	-0.0925048750	-0.0825393036	-0.0251296184	0.0403922946
## 19	-0.0157430418	-0.0375141105	-0.0097980742	-0.0356301188	-0.0478849843
## 20	-0.0062422613	0.0242430132	0.0231210925	-0.0503252799	-0.0666114815
## 21	0.0369535951	-0.0298402903	0.0162331490	-0.0639900898	-0.0340136380
## 22	-0.0290865142	0.0097204054	0.0546840607	0.0419443868	-0.0318977074
## 23	0.0127582434	-0.0039717465	-0.1037569012	0.0589085473	0.0054901698
## 24	-0.1151128093	-0.0487918426	-0.0072825072	0.0531179821	0.0506176309
## 25	0.0374145967	0.0306834677	-0.0357983450	-0.0483191229	-0.0500130171
## 26	-0.0390062134	0.0416264643	-0.0512546134	0.0375605282	0.0888327445

## 27	0.0150223413	-0.0028042526	0.0093476102	-0.0388165484	-0.0214981144
## 28	-0.0135088915	-0.0552313249	-0.0857242294	0.0298547637	0.0228194697
## 29	-0.0195448538	-0.0041761844	-0.0016106781	-0.0786134582	-0.0367459674
## 30	-0.0175848915	0.0122756585	-0.0475926655	-0.0250706666	0.0070424727
## 31	-0.0572135883	0.0813048999	-0.0098620084	-0.0371194628	0.0374719773
## 32	-0.0235139409	-0.0216821925	-0.0763845780	0.0477754016	-0.0279990302
## 33	-0.0575129478	0.0360566866	0.0750382772	-0.0588925660	0.0113708157
## 34	0.0144196536	-0.0517592674	-0.0044694269	-0.0360899313	0.0286008350
## 35	0.0047455182	0.0215169204	0.0164856597	0.0325969728	0.0386877661
## 36	0.0055272945	0.0869791179	0.0801678756	-0.0272022454	-0.1092511747
## 37	0.0155737116	0.0013149936	-0.0028936898	-0.0598678987	0.0001876406
## 38	-0.0933891210	-0.0036742451	0.0806702382	0.0202849006	0.0214979244
## 39	0.0337110121	-0.0215250463	0.0444265664	0.0109046295	-0.0270882526
## 40	0.0220733860	-0.0469944679	-0.0161508115	-0.0265016193	0.0245745317
## 41	0.0997881682	0.0090509009	0.0032776410	0.0067753717	0.0252295192
## 42	0.0401997673	-0.0401550409	-0.0492541897	-0.0185558095	0.0514582607
## 43	-0.0968225098	-0.0171469660	-0.0051152055	-0.0147875275	0.0618062007
## 44	0.0047256896	-0.0058019935	-0.0430422844	-0.0577506788	-0.0582633053
## 45	0.0658453792	0.0291999797	-0.0576116078	-0.0002794923	0.0496300422
## 46	-0.0199712543	-0.0439548853	-0.0102777293	-0.0439723527	0.0146795749
## 47	-0.0705632576	0.0762833620	-0.0810985811	-0.0590458755	0.0300926960
## 48	-0.0133240625	0.0072516081	-0.0631666212	0.0084384542	-0.1027161366
## 49	0.0101590637	-0.0296836640	0.0365492306	0.0546493286	0.0361347447
## 50	-0.0404931226	0.0114846053	-0.0314638928	0.0738396567	-0.0790383108
## 51	-0.0196194125	-0.0007932296	-0.0551796044	0.0915119674	-0.0485401948
## 52	0.0202365228	0.0988825031	0.0286578506	0.0250204779	0.1511459139
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## 54	0.0496975338	-0.0127146217	0.0148684004	-0.0863470733	0.0468729857
## 55	0.0517840972	0.0206154105	-0.0085084756	0.0220580994	0.0189019335
## 56	0.0457202266	-0.0341016316	-0.0255696199	0.0079253510	0.0101605024
## 57	0.0357952997	-0.0269152728	0.0320867176	0.0227883947	-0.0256031204
## 58	-0.0817094546	-0.0092467285	0.0690957140	-0.0216641086	-0.0433323454
## 59	-0.0878077699	-0.1285479872	0.0134291009	-0.0385817205	0.0358435627
## 60	0.0461432498	0.0185592188	-0.0782935976	0.0373956920	-0.0238098054
## 61	-0.0542784841	-0.1204335309	0.0287611110	0.0348185761	-0.0266529157
## 62	0.0163525841	-0.0132878238	0.0322109430	0.0118249948	-0.0074631641
## 63	-0.0310832980	-0.0439822964	0.0347353940	0.0611468068	0.0603639999
## 64	-0.0027302024	0.0191169692	0.0343233795	0.0145549828	-0.0874442317
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## 66	0.0698815882	-0.0121229257	-0.0147729460	0.0639925711	-0.0509443621
## 67	0.0806013935	0.0166237561	-0.0300006937	0.0360537758	-0.0146920232
## 68	-0.0776053184	-0.0259643462	0.0496320550	-0.0391385593	0.0219986803
## 69	0.0524602220	-0.0260072180	0.0989803959	-0.0361150139	-0.0095210285
## 70	-0.0562936187	-0.0386027162	0.0324460537	0.0030016208	-0.0182818038
## 71	0.0117343068	-0.0182685694	0.0578618125	0.0730641738	0.0234894371
## 72	0.0342974576	-0.0328825414	-0.0747984567	0.0058648933	-0.0252669398
## 73	-0.0367570134	-0.0264859065	-0.0754588115	-0.0071755699	0.0373409248
## 74	0.0433640716	-0.0181918815	-0.0114408811	-0.0904376380	-0.0085313785
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## 76	0.0021040094	0.0265169443	-0.0306652384	0.1083536096	0.0167174000
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## 78	0.0503107533	-0.0331211644	0.0135358666	-0.0290781959	0.0125122361
## 79	0.0503104245	0.0012502199	0.0160050284	0.0212373564	0.0446478792
## 80	0.0122586784	0.0444233630	-0.0251910149	-0.0631729328	0.0070480830

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## 85	-0.0487840922	-0.0094541429	-0.0053119932	-0.0090535727	-0.0747618145
## 86	0.0245940461	-0.0161936024	0.0336208201	-0.0257505060	0.0498599182
## 87	0.0307267020	-0.0310807598	-0.0245392264	-0.0113313447	-0.0088123248
## 88	0.0634898642	0.0045896112	0.0181106542	-0.0043956799	-0.0945831245
## 89	-0.0016515592	0.0035878145	0.0103241442	0.0007075751	0.0300251018
## 90	-0.0399122048	-0.0317848617	-0.0416781073	-0.0513256060	0.0047338343
## 91	0.0235802017	-0.1061901819	0.0113150506	-0.0657188360	-0.0299570645
## 92	0.0373072832	-0.0357025098	0.0101006272	-0.0474724574	0.0484471229
## 93	-0.0451376301	-0.0024481404	-0.0267410271	-0.0529719187	0.0416017041
## 94	-0.0081329829	0.0074866875	0.0355769538	0.0586324895	-0.0597421703
## 95	0.0606333290	0.0423318615	0.0457774135	-0.0320559202	0.0662824194
## 96	-0.0020423917	-0.0330248395	0.0153342297	-0.0627195149	-0.0105544588
## 97	-0.0133801058	0.0506134519	0.0073075954	0.0461197675	0.0758243256
## 98	-0.0388799353	-0.0169286981	0.0352335213	0.0250677077	-0.0102570717
## 99	0.0021435775	-0.0666404833	0.0240585815	-0.0176628016	-0.0326686201
## 100	-0.1195782931	-0.0583011536	0.0165323085	0.0556908139	-0.0554339805
## 101	0.0454125557	0.0610509395	-0.0029892088	0.1154441742	0.0407483000
## 102	-0.0136432098	-0.0290581691	0.0073923226	-0.0768798657	0.0644317311
## 103	-0.0631038585	0.0482319155	-0.0185649174	-0.0684556944	0.0554087300
## 104	-0.0211431981	-0.0452098076	0.0669510661	0.0061737485	-0.0037064267
## 105	-0.0133219519	-0.0591281773	0.0617250530	-0.0168531107	0.0284856543
## 106	0.0135894233	0.1009649548	0.0255529281	-0.0414474074	-0.0022715100
## 107	0.0199543694	-0.0299722526	-0.0123707360	0.0184096456	0.0053666293
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## 111	0.0026641003	-0.0642008284	0.0455339046	-0.0921323610	-0.0325266889
## 112	-0.0424480907	-0.0572490182	0.0124955908	-0.0414350241	0.0236978901
## 113	0.0400736486	-0.0377101460	-0.0405844819	0.0653535165	0.0159575026
## 114	0.0481558998	-0.0278180528	-0.0065769854	0.0004842807	-0.0538344661
## 115	0.0218287433	0.0352841545	0.0146539854	0.0314614401	0.0182410155
## 116	0.0424073052	-0.0364168724	0.0203003213	-0.0080400561	0.0147717495
## 117	0.0717349062	-0.0341468354	-0.0435313984	0.0027531203	-0.0516683936
## 118	0.0197860717	0.0397480699	0.0492361202	0.0148421144	-0.0004549784
## 119	0.0037935288	-0.0347362505	0.0518814046	-0.0172366247	0.0020110560
## 120	-0.0305695601	0.0380014222	0.0261617437	-0.0276405849	0.0459035214
## 121	-0.0590978824	0.0101981012	-0.0134965820	0.0374308486	-0.0004767966
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## 123	0.0049318936	0.0230651582	0.0238186783	-0.0473600414	-0.0316239442
## 124	-0.0077149962	-0.0398010017	-0.0301835438	-0.1439633167	-0.0389965776
## 125	0.0526186960	0.0160384537	-0.0220985089	-0.0490572428	0.0362186908
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## 127	0.0139226753	0.0627107268	-0.0722508399	-0.0077370302	-0.0259102094
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## 129	-0.0502149921	-0.0357196153	-0.0174366560	-0.0516811568	0.0201628939
## 130	0.0542810856	-0.0762091936	0.0394288421	-0.0274818771	-0.0214560751
## 131	-0.0652855716	-0.0205205188	-0.0282913999	-0.0048656336	-0.0227406662
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## 135 -0.0225408572 0.0536718720 0.0290857567 -0.0167551285 -0.0005979349
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## 145 0.0484335793 0.0263952649 0.0098230003 0.0485310562 0.0004129918
## 146 0.0226312542 0.0274862809 -0.0174770286 -0.0287194317 0.0405678759
## 147 -0.0233907698 -0.0585902050 0.0506879246 -0.0359878161 0.0095133275
## 148 -0.0330739090 0.0177017542 -0.0339555729 0.0378537355 0.0031277764
## 149 0.0152400098 0.0012865162 0.0712316279 -0.1030265800 0.0298803008
## 150 0.0593034256 -0.0339642312 0.0983651216 0.0508871410 -0.0207651032
## 151 -0.0076955902 0.0116748464 0.0185762704 0.0201241507 -0.0177576364
## 152 -0.0512463096 -0.0651619586 -0.0231159940 0.0947007659 -0.0241618949
## 153 0.0722697365 0.0169697333 0.0123037698 -0.0406800334 0.0688256533
## 154 0.0721925091 -0.0300222138 0.0629074250 0.0852554826 -0.0863071210
## 155 0.0596910980 0.0599342980 0.0023529076 -0.0322923690 0.0827434197
## 156 0.0141097669 0.1038437874 0.0406815115 -0.0724338352 0.0454595578
## 157 0.0577079035 0.0319780791 0.0242084028 -0.0048374688 -0.0212008353
## 158 -0.0058770538 0.0620380930 0.0206555152 -0.0142573822 -0.0705175075
## 159 0.0096121663 -0.1219102305 0.0518124674 0.0202143259 -0.0198992687
## 160 0.0558543960 -0.0162379096 -0.0170666769 0.0464124911 -0.0158536387
## 161 -0.0456481239 -0.0916315842 -0.1099376710 -0.0282559500 -0.0235109404
## 162 0.0161396507 0.0345851770 0.0079899423 0.0385439736 0.0321087721
## 163 0.0075460514 -0.0061302402 -0.0295127477 0.0168176939 -0.0167429977
## 164 -0.0686477733 -0.0012694357 0.0140201550 0.0234465633 -0.0644599003
## 165 0.0337760426 0.0553395281 0.0684870584 0.0263731602 0.0108870183
## 166 -0.0527856052 -0.0025048754 0.0899394874 0.0333091076 -0.0969872197
## 167 -0.0334640274 0.0372627083 0.0227038908 -0.0011380300 -0.1007293680
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## 176 -0.0442226793 -0.0394837585 -0.0516616704 -0.0152707301 0.0475716839
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## 178 -0.0461938196 0.0149662922 0.0263269543 0.0294991099 0.0219897905
## 179 0.0258308572 -0.0145121711 -0.0463045110 0.0670839680 -0.0542046136
## 180 0.0189447976 -0.0614996876 0.0303421555 -0.0584168580 0.0225826716
## 181 0.0156689862 0.0787454960 -0.0237476062 -0.0617308972 -0.0385180943
## 182 0.0290946062 -0.0416747531 0.0751486717 0.1066357257 0.0336520010
## 183 0.0563473017 0.0698913794 0.0248620752 0.0115819157 0.0220904904
## 184 -0.0826365933 -0.0146889815 0.0136673269 0.0485828799 0.0087819116
## 185 -0.0605684322 0.0465264768 0.0377394461 0.0172482352 -0.0409625647
## 186 -0.0062549836 0.0542496049 -0.0865950882 0.0188179927 0.0580438640
## 187 -0.0072655542 0.0642394993 -0.0715283776 -0.0143277794 0.0212478258
## 188 0.0390722504 -0.0790444441 0.0040590363 0.1135358173 -0.0144338022

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## 189	0.0275260995	-0.0338901093	-0.0023223667	-0.0442559904	0.0236390047
## 190	-0.0403577400	-0.0169104579	-0.0591072038	-0.0019804416	-0.0264935500
## 191	0.0031331721	-0.0332022807	-0.0282337454	-0.0687489557	0.0036900756
## 192	-0.0249301832	0.0257091748	0.0216917051	0.0216124054	-0.0555004603
## 193	-0.0488139250	-0.0098831824	0.0409372049	-0.0027311924	-0.0520887446
## 194	0.0668656992	0.0851480531	0.0894059753	0.0672840322	0.0056214217
## 195	0.0165391401	0.0469483638	0.0977581247	0.0051912652	-0.0199298410
## 196	0.0540675470	0.0554869640	-0.0404146895	-0.0843857148	0.0226244700
## 197	-0.0916266231	-0.0969123510	0.0578903479	-0.0651382119	0.0282308529
## 198	-0.0083845239	-0.0255028904	-0.1050279165	-0.0319746285	-0.0612761707
## 199	-0.0612004114	-0.0805005627	-0.0266687187	0.0602294391	0.0678135374
##	V31	V32	V33	V34	V35
## 1	-0.035972301	-0.0641558848	0.0268507237	-0.0076230335	0.0082486007
## 2	-0.000337168	0.0352150112	0.0140301260	0.0216599264	0.0273579073
## 3	-0.054800561	-0.0156078212	-0.0143386740	-0.0305742139	-0.0861216412
## 4	0.077178931	0.0811081551	0.0424226486	-0.0008426791	0.0610935817
## 5	0.052009254	0.0157703144	0.0571145740	0.0297039202	-0.0897888065
## 6	0.087578619	-0.0557372623	0.0081121620	0.0558756191	0.0011206245
## 7	0.009117484	-0.1312907398	-0.0314997408	0.0039401575	0.0157313926
## 8	-0.059995909	0.0317551776	0.0386486694	0.0540148777	-0.0084791810
## 9	-0.021825601	0.0155116504	0.0123024392	-0.0102108597	0.0255782683
## 10	-0.003777565	-0.0231323158	0.0654381188	0.0771680524	-0.0849758090
## 11	-0.067720834	0.0423537367	0.0009116800	0.0863388772	-0.0008070321
## 12	-0.088637554	-0.0143996685	0.0720834760	-0.0490314840	-0.0057955351
## 13	0.047594215	-0.0174327597	0.0190049689	0.0259104660	0.0185338954
## 14	-0.060826266	0.0047203625	-0.1244525111	-0.0275566885	0.0329056864
## 15	-0.039209374	-0.0183163827	-0.0109880024	0.1315927904	0.0281192021
## 16	0.068621896	-0.0047470255	0.0222781443	-0.0438494027	-0.0188680747
## 17	0.020581387	-0.0007155965	-0.0789990082	0.0992657478	0.0293956116
## 18	0.053652230	-0.0393960355	0.0519960562	-0.0269808415	0.0272465714
## 19	-0.040118249	-0.0665379958	-0.0015267318	-0.0485992736	-0.0491902031
## 20	0.095547702	-0.0471704449	0.0254019625	-0.0018325761	0.0058132108
## 21	-0.009944805	0.0554358792	-0.0279906108	0.0537037359	0.0899541750
## 22	0.046725154	0.0069599129	-0.0054743073	0.0385696987	0.0588252978
## 23	0.054033765	0.0531743261	0.0985194190	-0.0173260985	-0.0460196053
## 24	-0.005035301	-0.0146330456	0.0365651165	-0.0106313964	0.0207435657
## 25	0.003630125	-0.0424218891	0.0867297789	0.0529313308	0.0518114740
## 26	-0.002905870	0.0595940295	0.0538525446	-0.0062523300	0.0286164603
## 27	-0.013042526	0.0006943904	-0.0468788537	0.0120763502	0.0373458327
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## 29	0.044652435	0.0050483051	-0.0560932146	0.0468499973	-0.0408979545
## 30	0.054720856	-0.0763618123	-0.0533366504	0.0207304210	0.0069307296
## 31	0.021827615	0.0121937335	-0.0796198159	-0.0396692819	-0.0160301529
## 32	-0.093018671	0.0009749781	0.0542895853	0.0218019904	-0.0600013691
## 33	0.002735312	0.0327916837	0.0962479902	0.0537150774	0.0222828035
## 34	-0.029564577	-0.0313204383	0.0423408059	-0.0107598521	0.0155327835
## 35	0.001456559	0.0014659234	-0.0063173942	-0.0795121139	0.0540362935
## 36	-0.040522755	0.0226332546	-0.0507282365	-0.0290840044	-0.0817020272
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## 39	-0.038200277	-0.0156170582	0.0308513720	-0.0505064526	-0.0463338108
## 40	-0.018634930	0.1281266474	0.0204355997	0.0034531177	0.1025337915
## 41	0.001513609	-0.0154300432	0.0049600626	-0.0426423355	0.0637742967
## 42	0.045109142	-0.0181839267	-0.0401752232	-0.0448637663	-0.0164709517

## 43	0.014597806	0.0579978642	0.0478734480	-0.0176238919	-0.0070234580
## 44	-0.008964147	0.0340891747	-0.0624425025	-0.0296795391	0.0281105800
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## 46	-0.044830679	0.0310908239	-0.0262570401	-0.0312344746	0.0271069505
## 47	0.033498455	-0.0414940360	-0.0655389796	-0.0274935380	-0.0837523484
## 48	-0.069186760	0.0194895056	0.0045423557	0.0151145941	-0.0514713627
## 49	-0.062675193	0.0001273271	-0.0448727077	-0.0664402744	0.0883486297
## 50	0.044482038	0.0012659623	0.0554863454	0.0734963336	0.0137323976
## 51	0.010833494	-0.0039018756	0.0405792214	0.0067344020	-0.0443989198
## 52	-0.070515494	0.0959498754	-0.0268929838	0.0394462939	-0.0204466839
## 53	0.047181151	-0.0503282748	-0.0204554686	0.0423008181	-0.0062502768
## 54	0.011897601	0.0082687620	-0.0145027042	-0.0006256463	-0.0172622460
## 55	0.035839414	0.0075503564	-0.0017048423	-0.0596947108	-0.0932486927
## 56	-0.019729205	0.0375791971	-0.0363597487	0.0941866803	0.0317793663
## 57	-0.031876068	-0.0882086966	-0.0081936543	0.0959122904	-0.0244062557
## 58	0.043708168	-0.0344788580	-0.0464131926	0.0873956115	-0.0255749945
## 59	0.134639619	0.0030308698	0.0218330488	0.0667934149	0.0383871319
## 60	-0.050695179	-0.0219871179	-0.0398963668	-0.0041697663	0.0099486393
## 61	-0.032589765	-0.0227171914	-0.0443630013	-0.0189812015	0.0458225778
## 62	-0.023391747	0.0075130878	0.0053813702	0.0666751307	0.0086078280
## 63	0.036583567	0.0447216181	0.0104002208	0.0485917788	0.0104563192
## 64	-0.029968835	0.0272004272	-0.0480153989	0.0136172423	-0.0611272157
## 65	0.013767481	0.0591526187	-0.0159184290	-0.0046853442	0.0314163160
## 66	-0.014760539	-0.0306140899	0.0264996240	0.0234880850	-0.0161086802
## 67	0.037774601	0.0376900848	0.0046365681	-0.0118997353	0.0984603648
## 68	0.022128703	-0.0031416897	0.0629989113	0.0335377220	0.0175530069
## 69	0.016322803	0.0263278831	0.0449362649	-0.0112827039	0.0176860088
## 70	-0.037106413	0.0197695563	0.0090598066	-0.0218582828	-0.1101507882
## 71	0.069241144	-0.0959355126	-0.0262517430	-0.0715336799	0.0218572912
## 72	-0.003592732	0.0132321817	0.0288742102	-0.0534496367	-0.0097428432
## 73	-0.045542387	0.0444460101	0.0224783413	0.0106848662	-0.0630126240
## 74	-0.003030605	0.0060300244	0.0465472280	0.0032372896	0.0078907722
## 75	0.034904121	0.0357859248	0.0058553876	-0.0205321410	0.0367123678
## 76	0.070150605	0.0152021895	0.0510269902	-0.0264172317	-0.0217154062
## 77	-0.065920512	-0.0939212519	0.0807560784	0.0096594809	-0.0708886522
## 78	-0.017025319	0.0122676526	0.0048291813	0.0050183722	-0.0104017709
## 79	-0.031370336	0.0159096006	0.0394598748	0.0607458424	0.0020235913
## 80	0.041968414	-0.0292102564	0.0378402762	-0.0166860801	-0.0802536497
## 81	0.042284191	0.0211177215	-0.1269597597	-0.0048380232	-0.0195012895
## 82	-0.028455720	-0.0369148415	-0.0340752864	-0.0049835668	-0.0003702185
## 83	-0.009145443	-0.0210843318	0.0596378563	-0.0176351557	0.0356406976
## 84	-0.012125964	0.0183296953	-0.0013990982	-0.0102257507	0.0246564258
## 85	0.029260713	0.0417303070	-0.0132804626	-0.0300114193	0.0217236910
## 86	0.020806422	0.0141492612	-0.0009267260	0.0587673035	-0.1242298623
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## 96	0.005571817	0.0111081997	-0.0783892993	-0.0066776869	-0.0449720826

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## 97 -0.060814107 -0.0090758197 -0.0620813183 -0.0087253595 -0.0277434933
## 98 0.123376865 -0.0340846717 0.0382210723 -0.0566002286 0.0098450944
## 99 -0.008541759 -0.0250161556 -0.0369584829 0.0300801389 -0.0275905304
## 100 0.001550885 0.0848240642 0.0067574993 -0.0113620289 0.0341470482
## 101 -0.011651746 -0.0634518899 -0.0013972365 0.0085390444 0.0101239500
## 102 0.018220607 0.0009033814 -0.0992071192 -0.0592754834 -0.0183754627
## 103 0.017771991 -0.0369048683 -0.0139910947 -0.0446248828 0.0240817862
## 104 -0.046923550 -0.0272136983 0.0089866818 0.0354859474 -0.0324068667
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## 151 -0.080640447 -0.0037971360 0.0347752973 -0.0220691447 -0.0416385611
## 152 -0.078759828 -0.0344757211 -0.0655083696 0.0650857346 0.0203979283
## 153 -0.054568158 0.0483186663 -0.0839897894 -0.0009040750 -0.0354418551
## 154 -0.020754015 -0.0216634999 0.0380474191 0.0212323525 0.0225352736
## 155 0.136481961 0.0213399751 0.0044080436 0.0235738123 -0.0196650248
## 156 0.081905297 0.0022037167 -0.0141274378 0.0112206964 0.0889188475
## 157 0.008514414 -0.0046144119 0.0178400293 0.0564856691 0.0669154591
## 158 -0.026215819 -0.0327857150 -0.0087498075 -0.0586925692 -0.0648376238
## 159 0.035552138 -0.0540490813 -0.0057692663 -0.0062412085 -0.0368034496
## 160 0.025250832 -0.0187971259 0.0296912677 0.0290880453 0.0264441987
## 161 0.054334730 -0.0616676785 0.0281256931 -0.0299214119 0.0273735561
## 162 0.006084585 -0.0196394503 -0.0309468843 0.0061203403 0.0218092198
## 163 0.037901857 -0.0059496187 0.0154910167 0.0124223445 0.0322629494
## 164 0.023368241 -0.0845303979 -0.0249663793 0.0302308113 -0.0052125495
## 165 -0.027477996 -0.0190813484 0.0227007182 -0.0887924500 -0.0119362047
## 166 0.038820887 0.1190077696 0.0142133488 -0.0140804165 -0.0570823309
## 167 -0.025600622 0.0278052525 0.0260161288 -0.0590920062 0.0342243108
## 168 0.076621226 0.0721143408 -0.0014383777 0.0493206531 -0.0260659735
## 169 0.020429681 -0.0314016149 0.0231863684 -0.0588234141 0.0850286640
## 170 0.090977190 -0.0019003007 0.0075267003 0.0379715028 -0.0398754782
## 171 -0.023824660 0.0290766927 0.0435318989 -0.0530643819 0.1009361190
## 172 -0.022710272 0.0711764942 -0.0093636477 0.0558329217 -0.1136239515
## 173 0.069732040 0.0941485493 -0.1330972882 -0.0036440772 -0.0080572992
## 174 0.056779051 0.0223841653 0.0492252559 0.0640123619 0.1146231602
## 175 0.028482873 -0.0061555647 -0.0270186830 0.0128594162 -0.0307031027
## 176 -0.035102070 0.0186456204 -0.0785813564 0.0075009489 -0.0196374534
## 177 0.019404632 0.0211530890 -0.0183688536 -0.0238736936 0.0299202360
## 178 0.018189794 -0.0204212187 -0.0521746808 -0.0097204517 -0.0067315385
## 179 0.001479735 -0.0274235004 -0.0163286241 0.0417051054 -0.0570998014
## 180 0.014134657 0.0300028208 -0.0396025557 -0.0671994179 0.0946427218
## 181 0.015541141 0.0459313350 -0.0252934880 -0.0126396908 0.0287901937
## 182 0.022159962 0.0124094309 -0.0737074492 0.0003288624 0.0464586073
## 183 -0.003840751 -0.0217837830 -0.0662122427 -0.0604469264 0.0606603260
## 184 0.006383122 0.0032017390 0.0303438721 0.0405492658 -0.0052381197
## 185 -0.041965040 0.0650849544 -0.0591320604 0.0341769009 -0.0343796567
## 186 -0.083629357 0.0517239801 0.0880815917 0.0274486406 -0.0753373810
## 187 -0.001917586 -0.0565121891 0.0476575307 -0.0766174050 0.0574696114
## 188 0.016935982 -0.0429642250 0.0291136900 0.0385262791 0.0150465359
## 189 -0.044814889 0.0401096738 0.0020552048 -0.0360881873 -0.0037752038
## 190 -0.012894586 -0.0245631175 -0.0575920292 -0.0752893184 0.0437595571
## 191 0.062877900 0.0216757663 0.0317095965 0.0397079616 0.0083176296
## 192 0.002181012 -0.0004848399 0.0378470049 0.0011967000 -0.0076671277
## 193 -0.022058148 0.0329028348 0.0572979392 -0.0321568729 0.0276696043
## 194 0.054760038 -0.0023120458 -0.0441148857 -0.0285326133 0.0135608310
## 195 -0.024767578 -0.0030534689 -0.0849406511 -0.0143146087 0.0601702017
## 196 -0.007166945 0.0910088766 0.0583331118 -0.0440795748 -0.1401270745
## 197 -0.072738801 0.0265875193 -0.1145322879 0.0154794678 0.0844215343
## 198 -0.037183365 -0.0149849033 0.0827131217 0.0029008916 0.0049770205
## 199 -0.002990949 -0.0818810550 -0.0642820285 0.0497748522 -0.0692308591
##          V36          V37          V38          V39          V40
## 1 -0.0298915780 -0.0222395275 0.0127841980 -0.0865408690 -6.300606e-02
## 2 -0.0129292438 -0.0058781237 -0.0379960802 0.0131817351 -4.594587e-02
## 3 -0.0048324056 -0.0640023870 -0.0283704285 0.0176458718 8.768697e-03
## 4 0.0822808813 -0.0067208083 0.0572917559 0.0273153215 -6.915162e-02

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## 5	0.0085242710	-0.0367999791	0.0808392769	-0.0827529678	7.644478e-02
## 6	-0.0423931637	-0.0146636518	0.0271071997	-0.0082152550	5.799715e-02
## 7	0.0005062528	-0.0121170320	0.0553769497	0.0771912451	-3.294289e-02
## 8	0.0143212624	0.0155183565	-0.0303106205	-0.0238354428	-2.274004e-02
## 9	-0.0716514404	0.0193023521	-0.0171860098	-0.0775057211	-2.281440e-02
## 10	-0.0115103247	-0.0050524779	0.0510283926	0.0036629448	-1.234456e-01
## 11	-0.0437353485	0.0350988648	-0.0278048174	0.0242522505	-6.199137e-03
## 12	0.0245872507	0.0694398545	0.0075504809	-0.0464657761	-5.111198e-02
## 13	-0.0004615319	-0.0147562928	0.0819095635	-0.0713280188	1.645693e-02
## 14	-0.0056994766	0.0122148953	0.0185492540	0.0005753807	-7.541217e-02
## 15	-0.0211852332	-0.0317975125	0.0069019780	0.0069702992	-8.827011e-03
## 16	0.0518388154	0.1009389448	-0.0400289642	0.0348293260	-1.099253e-02
## 17	0.0567775875	-0.0857155946	-0.0173624021	0.0169658758	-1.480240e-02
## 18	0.0706870608	-0.0178370261	-0.0515501227	-0.0162699553	-4.212311e-02
## 19	-0.0012058802	0.0292802050	0.0029438090	0.0475927196	3.289968e-02
## 20	-0.0014963262	0.0801372425	0.0182515481	0.0086356583	3.195923e-02
## 21	-0.0049725330	-0.0348727492	-0.0667607509	0.0439801992	6.121909e-02
## 22	0.0727825522	0.0425641468	-0.0194529271	-0.0425685570	1.429552e-02
## 23	-0.0361431085	-0.0548611513	-0.0267751615	-0.0021992693	-1.314512e-02
## 24	-0.0436124986	-0.0049153999	-0.0451486005	0.0187582029	-9.350307e-03
## 25	-0.0387083789	-0.0368726921	0.0185430419	0.0379551345	-1.922995e-02
## 26	0.0058611036	-0.0556258388	-0.0352614712	-0.0358346189	-9.349013e-02
## 27	-0.0036242468	0.0268564633	0.0548199015	-0.0568899301	6.569428e-02
## 28	-0.0616305355	0.0451003938	0.0192108413	-0.0130535893	-5.405510e-02
## 29	-0.0320307419	-0.0544850635	0.0474958700	0.0593848933	5.391768e-02
## 30	0.0073115952	0.0623630988	-0.0451735362	0.0256718839	-1.073947e-01
## 31	-0.0087535426	-0.0342803019	0.0909993691	-0.0256898432	-2.249851e-03
## 32	-0.0200323168	-0.0258111373	0.0415360692	0.0254342225	3.896336e-03
## 33	-0.0140456868	0.0719326419	0.0282169405	0.0149760467	2.936869e-02
## 34	-0.0741598551	-0.0314209144	0.0838867392	-0.0322670429	-3.673551e-02
## 35	-0.0180034492	0.0290130049	-0.0526062141	-0.0159266123	3.348935e-02
## 36	0.0186799933	-0.0988842741	0.0407065729	0.0114192019	2.386648e-02
## 37	0.0421203955	-0.0012609815	-0.0382293325	-0.0640760633	3.967340e-02
## 38	-0.0243514328	0.0144797800	-0.0183975234	0.0241217769	-2.240976e-02
## 39	0.0247187133	0.0472279088	-0.0138327164	-0.0278385784	-3.973982e-02
## 40	0.1004354842	-0.0482123987	-0.0142209931	-0.0021460675	-2.793124e-02
## 41	0.0439094301	0.0666610422	-0.0516495017	-0.0431941499	-7.324535e-03
## 42	-0.0855931307	-0.0148476561	-0.0188066790	-0.0852205006	-1.845537e-02
## 43	-0.0032158780	0.0720249833	0.0040215040	0.0520083112	-6.312571e-02
## 44	0.0154608875	0.0229330544	0.0131954885	0.0219095557	5.213591e-02
## 45	-0.0101681347	-0.0215892162	0.0084402843	-0.0045098237	7.354261e-02
## 46	-0.0233597215	0.0141560077	0.0087983684	-0.0058519306	2.107625e-02
## 47	-0.0095010827	-0.0269011577	-0.0078485517	0.0675073962	1.560758e-02
## 48	0.0793076018	-0.0338728132	-0.0243872153	0.0336844988	2.733192e-02
## 49	-0.0928571642	0.0154409027	0.0253703169	-0.0350784655	4.614812e-02
## 50	0.0449228990	0.0145627119	0.0202815104	-0.0799225920	-6.903147e-02
## 51	0.0741064337	0.0294616234	0.0141918998	0.0115881011	3.610392e-02
## 52	-0.0611312512	0.0027559807	0.0332927865	0.0579602515	7.160993e-02
## 53	0.0276313111	-0.0325610471	-0.0523099046	-0.0281765996	-4.242570e-03
## 54	0.0183818925	-0.0776748895	0.0110491255	0.0012613029	-5.357187e-02
## 55	0.1770762405	0.0034378074	0.0378244649	-0.0259264624	-2.881288e-02
## 56	-0.0394509730	0.0114185251	-0.0493849152	-0.0498565276	2.395868e-02
## 57	0.0239861822	0.0273465491	0.1121349604	0.0769317966	9.765252e-03
## 58	-0.0312534261	0.0536753221	-0.0715779777	-0.0864968904	-2.169963e-02

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## 59 0.0827329292 -0.0667509679 0.0352470447 0.0175286878 1.512673e-02
## 60 0.0084142040 -0.0006903793 -0.0597806001 -0.0144813120 -3.550122e-02
## 61 -0.0020380893 -0.0370655613 -0.0648720531 0.0201428125 3.165889e-03
## 62 -0.0121836099 -0.0206953008 0.0429282418 0.0272030462 -5.051099e-02
## 63 0.0366022316 -0.0690375768 0.0018027442 -0.0300917559 -6.603868e-02
## 64 -0.0437292010 0.0436840944 -0.0279597069 0.0411518564 3.724105e-02
## 65 -0.0013884744 -0.0199088112 -0.0187930406 -0.0128111058 1.462886e-02
## 66 0.0441435021 0.0213778301 -0.0247824082 0.0268268364 -1.162163e-02
## 67 -0.0216918094 -0.0115536000 -0.0458440509 -0.0588113248 -2.999537e-02
## 68 -0.0347429031 0.0503734774 0.0130864772 0.0441268559 -2.640467e-02
## 69 0.0347343401 -0.0448544414 -0.0500887621 -0.0245645412 5.837958e-02
## 70 0.0101613860 0.0201021609 -0.0159258484 -0.0699571694 1.104873e-01
## 71 -0.0169352782 0.0662315749 0.0100885848 -0.0190055913 3.986493e-02
## 72 0.0359922317 0.0562542061 -0.0213996164 0.0066920390 2.983261e-02
## 73 0.0395123245 -0.0307880762 0.0172466767 -0.0370579374 -7.481921e-03
## 74 -0.0094227721 -0.0128769504 0.0883535913 0.0648121041 4.094652e-02
## 75 -0.0151999230 -0.0810269715 0.0904975033 0.0493790256 -1.076786e-01
## 76 -0.0406453160 -0.0145013026 0.0539533892 -0.0387347681 -1.223034e-02
## 77 0.0553375746 -0.0370530465 0.0304219454 -0.1255517007 -2.631182e-02
## 78 -0.0142175341 0.0358658793 -0.0018291901 -0.1177126353 -1.396753e-01
## 79 0.0132352537 -0.0087643146 -0.0819212596 0.0433504438 4.276951e-02
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## 81 -0.0212800670 0.0549761481 -0.0493420136 -0.0278795329 -3.756048e-02
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## 84 0.0501505255 -0.0146295483 -0.0948046270 -0.0373393384 9.212972e-03
## 85 -0.0831999775 0.0006475694 0.0254752437 -0.0349378476 7.224521e-03
## 86 -0.0275845615 0.0948715249 0.0138403337 0.0334964906 -1.878277e-02
## 87 -0.0502546804 0.0183702566 0.0200691730 -0.0462540708 -5.121830e-02
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## 98 -0.0195143829 0.1044905048 -0.0085319093 -0.0155773573 -2.294296e-02
## 99 -0.0579326319 -0.0003852775 -0.0390288513 -0.0463510421 3.080999e-02
## 100 0.0174755231 0.0733708712 0.0164479928 -0.0867852743 -4.414494e-02
## 101 0.0666751215 -0.0069810523 0.0350425196 0.0271718200 -1.366492e-03
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## 103 0.0176387283 -0.0324977309 0.0956629925 0.0314189510 7.556675e-02
## 104 -0.0492352996 -0.0192568027 -0.0609689435 0.0098225819 -4.079811e-02
## 105 0.0861483642 -0.0272878625 0.0325366672 0.0061734404 -6.086095e-02
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## 107 -0.0722853247 -0.0143965920 0.1353605027 0.0804090997 -3.752001e-02
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## 114 -0.0019201503 -0.0169404529 0.0017851570 -0.0275630623 5.723181e-02
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## 139 0.0264358031 0.0164822075 -0.0381305978 0.0527056012 4.609602e-02
## 140 0.0568409542 0.0445479995 0.0655968995 0.0307540363 -2.857804e-02
## 141 -0.0841136153 0.0207887829 -0.0024361479 0.0017583256 -7.868791e-03
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## 148 -0.0083017603 0.0499849628 0.0233551103 0.0549358042 4.638097e-02
## 149 -0.0445610052 -0.0313716926 -0.0050254814 0.0403004865 -9.125355e-02
## 150 0.0251642498 -0.0029714469 -0.0632256940 0.0050475118 -1.713853e-02
## 151 -0.0398594696 -0.0079126576 0.0102586149 0.0115614678 -2.218255e-02
## 152 0.0444678829 -0.0306248161 -0.0640433876 -0.0768900508 -6.113934e-02
## 153 0.0047499390 0.0500974115 0.0273962611 0.0128973628 -5.520821e-02
## 154 -0.0361817189 0.0544592314 0.0432351966 -0.0144169031 -2.193941e-02
## 155 -0.0348240105 -0.0104466531 -0.0786337610 0.0381143462 1.476090e-02
## 156 -0.0442363691 -0.0421546452 -0.0317562270 -0.0410916124 -6.272456e-02
## 157 0.0172406567 -0.0419307037 -0.0055485742 -0.0927814407 -3.071358e-02
## 158 -0.0304145571 -0.0587738449 0.0629151650 0.0048361727 -9.564305e-03
## 159 -0.0190832132 0.0747351608 -0.0108330289 -0.0634982530 1.410481e-02
## 160 -0.0281890269 -0.0031393319 -0.0036854807 -0.0423489409 -5.621864e-02
## 161 0.0119050225 -0.0249132497 0.0040295948 -0.0167485063 4.655591e-02
## 162 -0.0015438305 0.0428694998 0.0724540094 0.0092621879 2.516738e-02
## 163 -0.0448933135 -0.0189776944 0.0442420298 -0.0346403993 -6.443446e-02
## 164 0.1161071498 0.0510114900 0.0175471797 0.0411756374 6.582052e-02
## 165 -0.0058036621 -0.0497388951 0.0007161439 0.0046383148 5.634711e-02
## 166 -0.1106733756 -0.0344131268 0.0428895512 -0.0314973407 5.665992e-02

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## 167 -0.0273021455 -0.0428826585 0.0327064429 0.0541369518 -2.244057e-02
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## 169 0.0777174344 -0.0742620156 0.0277037581 0.0135952431 -2.887910e-02
## 170 -0.0360288989 -0.0186093328 -0.0112604065 -0.0158809114 -8.349476e-02
## 171 -0.1419199234 -0.0235686892 0.0525784492 -0.0185087376 -9.982948e-04
## 172 -0.0143245278 0.0075920402 0.0230208750 0.0478644917 -2.021987e-02
## 173 0.0024988366 -0.0144704496 -0.0132788001 0.0827603858 -5.952133e-02
## 174 -0.0041774894 -0.0174479467 0.0004781090 -0.0283556798 5.274732e-02
## 175 -0.0044289826 -0.1003754389 -0.1004553638 0.0293390090 -3.945872e-02
## 176 0.0192099322 0.0625274773 0.0017706837 0.0879681926 -5.682715e-02
## 177 -0.0634064285 0.0665083719 -0.0033726082 0.0914845604 -4.333769e-02
## 178 -0.0218281643 0.0199558424 0.0197887461 0.0482045370 -1.638835e-02
## 179 -0.0241628553 -0.0254308461 0.0198592537 0.0166818368 6.804805e-03
## 180 0.0752970356 -0.0326974382 -0.0023398982 -0.0403500147 -4.441086e-03
## 181 0.0139118450 -0.0278602120 0.0180028166 0.0441518560 6.367704e-03
## 182 0.0781491605 0.0031677136 0.0042442084 0.0107475796 1.068276e-04
## 183 -0.0581202369 0.0263766260 -0.0648960777 0.0232595982 -4.015446e-02
## 184 -0.0093423966 0.0157370226 0.0030208805 -0.0179932308 6.561789e-02
## 185 -0.0278096694 -0.0093905126 -0.0261255855 0.0074450810 7.594403e-02
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## 187 -0.0377354503 0.0233643075 -0.0508434778 -0.0088664544 4.853085e-02
## 188 0.0319552463 0.0050553635 0.0345848446 0.0050651070 -8.847181e-02
## 189 -0.0139722590 0.0520847114 -0.0123441586 -0.0733902577 3.595844e-02
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## 191 -0.0209832409 -0.0026610955 -0.0522138367 0.0580830928 -4.934620e-02
## 192 -0.0204033526 0.0401895578 -0.0572272373 -0.0083022679 -2.556449e-02
## 193 -0.0142887915 0.0352297435 -0.0464804870 -0.0290501096 -4.740168e-02
## 194 0.0299386515 0.0179842177 -0.0012827161 -0.0530893553 4.270078e-02
## 195 0.0498599213 -0.0134934052 -0.0063786734 -0.0233808121 -4.448336e-02
## 196 0.0001794017 0.0162576972 0.0293720254 -0.0276739989 1.674125e-02
## 197 -0.0290418886 0.0078069340 -0.0637086957 0.0213395630 2.531418e-02
## 198 0.0012137901 -0.0813541166 -0.0667365629 -0.0142430920 -1.948545e-03
## 199 0.0262598397 -0.0286674105 0.0213296040 -0.0057875554 -4.858807e-02
##          V41          V42          V43          V44          V45
## 1 8.165769e-02 0.0035237885 6.034409e-02 0.0438373968 -3.623294e-02
## 2 -4.789708e-02 0.0039572515 2.864889e-02 0.0354281938 3.486035e-03
## 3 -1.083970e-01 0.0237634251 -1.381056e-02 0.0305306196 -6.786364e-02
## 4 -1.709531e-02 0.0802995034 -7.822951e-03 0.0284372459 -3.856411e-02
## 5 1.084570e-01 0.0199981247 1.079793e-01 0.0005935315 1.968526e-02
## 6 -8.708666e-04 0.0071731142 -2.973636e-02 0.0690216261 -6.295202e-03
## 7 4.476015e-02 0.0411412414 -1.033040e-02 0.0075879042 7.308806e-03
## 8 -3.850135e-02 -0.0410585978 -5.020057e-02 -0.0924665298 -1.846083e-02
## 9 -3.748446e-02 0.0151408597 -2.314636e-03 0.0010869628 -4.223059e-02
## 10 5.455349e-02 -0.0034052226 -2.176017e-02 -0.0034743962 -4.047934e-02
## 11 -2.220346e-03 -0.0234519182 7.979108e-03 0.0143098059 -1.274660e-02
## 12 -8.326855e-02 -0.0200535193 1.030956e-01 -0.0940592570 -4.481176e-02
## 13 -3.538484e-02 0.0193226508 -1.834184e-02 0.0802399110 -2.690541e-02
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## 15 -5.480896e-02 -0.0544912318 -4.790291e-02 0.0555422811 1.065088e-01
## 16 2.968659e-02 -0.0014410629 2.936901e-02 0.0206902105 5.344528e-02
## 17 -3.407605e-03 0.0233013485 -3.300645e-02 -0.0340939809 3.516356e-02
## 18 -4.364037e-03 -0.0313948984 -6.154018e-02 0.0487506480 -6.703736e-02
## 19 -4.628441e-02 0.0432956478 4.662038e-02 -0.0298724604 2.609401e-02
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## 21  7.694247e-02 -0.0466580437 -6.103941e-02  0.0498572294 -1.380918e-02
## 22 -3.389833e-02  0.0073116006  1.972155e-02  0.0517786741  3.569107e-02
## 23  3.247942e-02  0.0470308375 -1.337066e-03  0.0604613540 -1.652795e-02
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## 25 -2.312665e-02  0.0834447637 -2.262019e-02  0.0145859992  7.099910e-02
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## 27 -4.713336e-02  0.0565154497  3.821202e-02 -0.0465113493  3.544303e-02
## 28 -2.018916e-02  0.0169564247  3.762898e-02 -0.0257682103  3.706333e-02
## 29 -6.883101e-02 -0.0591430932  3.149815e-02  0.0225957573  1.126708e-02
## 30 -3.014650e-02 -0.0155495397  4.338723e-04  0.0399957251 -1.694165e-02
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## 32  3.772159e-02 -0.0799553822  2.870266e-02 -0.0082857270  5.105776e-03
## 33 -3.859221e-03  0.0466383259  3.461750e-03 -0.0028463097 -5.757782e-02
## 34 -1.315567e-02 -0.0068368661  4.693775e-02 -0.0019482743 -1.942088e-02
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## 36  4.737100e-04 -0.0060802158 -2.384486e-02  0.0172392589  6.954541e-02
## 37  5.090363e-02 -0.0183502088 -2.059328e-02 -0.0474117082  1.027517e-02
## 38 -5.010343e-02 -0.0836193004  1.667775e-02  0.0439433486 -2.682271e-02
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## 40 -2.415952e-02  0.0326561216  1.084785e-02 -0.0259616686  7.342732e-02
## 41  1.792781e-02 -0.0462321854 -1.179062e-02 -0.0443292028 -2.775322e-02
## 42  8.075009e-03  0.0260508162 -2.725126e-02 -0.0577880778 -5.567231e-02
## 43  8.439732e-02 -0.0035329518  1.380471e-01 -0.0043181265 -2.159185e-02
## 44  2.480574e-03 -0.0702213265  8.964647e-02  0.0112419475  5.875489e-03
## 45  8.770805e-03 -0.0400530794 -4.162892e-02  0.0824922521  6.558181e-02
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## 70  2.422157e-02  0.0253987961 -2.627046e-02  0.0062333488 -1.428626e-02
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## 74  8.411277e-03  0.0580144948 -5.058494e-02 -0.0422884589 -3.843048e-02

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## 75 1.834371e-02 -0.0181309125 -9.177965e-02 0.0133263342 -7.830639e-02
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## 87 9.373254e-02 -0.0504760235 -2.486088e-02 0.0459510823 -7.405659e-02
## 88 -8.325703e-04 0.0169705856 9.688746e-04 -0.0007937290 8.988778e-02
## 89 6.677815e-02 -0.0047520185 -2.911451e-02 -0.0231083588 7.881203e-02
## 90 -6.572665e-02 0.0697056163 -3.143019e-02 -0.0471101657 4.844957e-02
## 91 -2.146311e-02 -0.0109603359 1.517656e-02 0.0277171265 -2.973821e-02
## 92 -1.928050e-02 0.0386618693 6.181617e-03 0.0289169989 -7.504919e-02
## 93 1.357979e-02 -0.0304659754 -1.507010e-03 -0.0352849868 -1.139593e-01
## 94 3.201399e-02 0.0726774220 -2.233758e-02 -0.0236474687 2.909378e-02
## 95 -2.511259e-02 -0.0192779032 -1.365986e-01 -0.0257199284 -3.113652e-02
## 96 1.000733e-01 -0.0147406131 3.701604e-02 -0.0513690654 2.189542e-02
## 97 8.509439e-02 0.0083481430 1.294364e-02 -0.0226869587 -4.721020e-02
## 98 -2.995551e-02 0.0722866369 -5.457752e-02 0.0146033056 8.174378e-03
## 99 -5.822742e-02 -0.0308092778 1.078204e-02 0.0573939120 4.094789e-02
## 100 1.513804e-02 0.0594087330 5.605951e-02 0.1287836309 -6.029434e-02
## 101 -1.930990e-02 0.0923843760 1.477014e-02 0.0088320515 2.693908e-03
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## 104 7.065735e-03 0.0102849479 6.519735e-03 0.0159663477 7.805013e-05
## 105 -1.867739e-02 -0.0448378999 -8.130470e-02 0.0317779129 -6.191922e-02
## 106 4.517615e-02 -0.0970876256 2.260022e-02 0.0623919168 2.477380e-02
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## 123 -1.658056e-02 -0.1010764982 -1.605806e-02 0.0263176913 -5.338218e-02
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## 125 -1.307107e-02 -0.0373770423 2.445913e-02 0.0795227202 1.409723e-02
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## 154 1.133625e-02 0.0407370370 -1.156945e-02 -0.0655446823 3.461955e-02
## 155 4.340926e-03 0.0146482005 -6.273563e-02 0.0694601086 3.548331e-02
## 156 -1.085052e-04 0.0572606650 -9.408546e-03 -0.0617747991 -7.362175e-02
## 157 -5.880662e-02 0.0247070221 6.009892e-02 -0.0381334322 3.231730e-02
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## 168 1.803844e-02 -0.0475216642 -5.190243e-02 0.0266209539 -3.741182e-02
## 169 2.169585e-02 -0.0280175656 1.627208e-02 -0.0703654066 -1.970519e-02
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## 179 -1.513105e-02 -0.0263238803 4.028980e-02 -0.0857683541 -4.079396e-02
## 180 2.134287e-02 -0.0365681013 -4.080837e-02 0.0532466860 -5.097019e-02
## 181 -6.177437e-02 -0.0297882933 -5.542036e-02 0.0632053657 9.662985e-03
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## 185	1.428286e-02	-0.0033490198	2.033936e-02	-0.0211181845	2.108052e-02
## 186	5.529570e-02	0.0047256722	5.707743e-03	0.0369245294	-5.243211e-04
## 187	4.122405e-02	0.0125503410	-6.775737e-02	-0.0888791901	7.209893e-06
## 188	2.298672e-02	0.0048749025	4.696999e-02	0.0126292922	4.321505e-02
## 189	-2.176293e-02	0.0423506531	4.304275e-02	0.0493949079	-5.027486e-02
## 190	-4.920642e-02	-0.0416566307	7.082692e-02	-0.0048943767	-4.624232e-02
## 191	-4.298489e-02	-0.0363610307	-3.939676e-02	-0.0401057766	-3.333153e-02
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## 194	-2.060358e-02	-0.0117709001	1.064999e-02	-0.0641008595	-7.157752e-02
## 195	-3.699811e-02	0.0430785106	-9.928380e-03	0.0166535064	2.369670e-02
## 196	-1.101991e-01	-0.0499655120	3.895267e-02	-0.0062301417	4.376566e-02
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## 198	-6.418487e-02	-0.0367852638	-6.801703e-02	-0.0446486173	-1.919701e-02
## 199	-4.491217e-02	0.0236701797	2.011997e-02	0.0548916183	1.827051e-02
##	V46	V47	V48	V49	V50
## 1	-0.0202051454	0.0134168000	-0.0362575749	0.0798818296	-0.0897552729
## 2	-0.0390862837	0.0794215498	-0.0421265655	0.0208903373	-0.0036787188
## 3	0.0123847579	0.0391260465	-0.0054630718	0.0324845115	0.0283431702
## 4	-0.0511952791	-0.0347846343	-0.0286485281	0.0702948126	-0.0645371905
## 5	-0.0042371664	-0.0637200629	0.0454970535	0.0298596991	0.0382375053
## 6	-0.0016955373	-0.0021947234	0.0354806372	-0.0222962593	-0.0188549464
## 7	-0.0282990130	-0.0345652007	-0.0550446269	-0.0390843210	-0.0917759407
## 8	0.0210427424	0.0179528062	0.0027417906	-0.0437776240	0.0131752992
## 9	0.0174923352	-0.0253515763	-0.0010861989	-0.0496224745	-0.0517303426
## 10	-0.0743050756	-0.0153709210	-0.0102367162	0.0446342200	-0.0040100206
## 11	0.0782733775	0.0355908660	0.0182947345	-0.0304816847	0.0067724808
## 12	-0.0339179039	0.0340221112	-0.0083365235	-0.0416023926	-0.0483622154
## 13	0.0346689616	-0.0132831274	-0.0591593246	0.0100513995	-0.0442884735
## 14	-0.1400337367	-0.0014588655	-0.0223051819	0.0131348487	0.0254436977
## 15	0.0032441847	0.0314976070	-0.0720905789	-0.0254696568	-0.0274423525
## 16	0.0461441561	0.0568405492	-0.0404417402	-0.0594788229	0.0606465598
## 17	0.0820875586	0.0066402759	0.0587003654	-0.0503477961	0.0763605843
## 18	-0.0045192520	0.0069365674	-0.0739111310	0.0480131396	0.0499721794
## 19	-0.0583943080	0.0586409422	-0.0012888963	-0.0072428114	0.0019461543
## 20	0.0259158277	-0.0168102257	-0.0651338761	0.0705903228	0.0170058401
## 21	-0.0121318644	-0.0038548231	-0.0563515712	-0.0252539282	-0.0058283316
## 22	-0.0163200829	-0.0080008438	-0.0519002697	-0.0554164101	-0.0171625234
## 23	0.0221830388	0.0201455484	-0.0408047584	-0.0064246055	0.0422846723
## 24	0.0265125745	0.0154314125	0.0567676071	-0.0416274168	0.0170688957
## 25	-0.0069291132	0.0359750868	-0.0769920593	-0.0143306685	0.0299722233
## 26	-0.0107563725	-0.0506802813	0.0231345327	-0.0153552419	-0.0350860218
## 27	0.0821753077	0.0233582964	-0.0109303662	0.0253541940	0.0583670818
## 28	0.0478948767	-0.0460858493	0.0125500822	0.0181258338	0.0200759531
## 29	-0.0121327381	-0.0428671200	-0.0139683141	-0.0864295373	0.0698306907
## 30	-0.0987814336	0.0696470355	0.0737660667	0.0522882283	0.0069284252
## 31	-0.0001079068	0.0646014659	0.0112905016	0.0173118195	0.0083680420
## 32	-0.0202834778	-0.0165889533	-0.0313692041	-0.0283572125	-0.0100542903
## 33	0.0181330201	-0.0323663538	-0.0373390024	-0.0081171301	0.0094184986
## 34	-0.0053752213	-0.0084664966	-0.0091787317	0.0379354749	0.0128642616
## 35	-0.1049796927	0.0730675325	-0.0051142313	-0.0051085752	-0.0002054952
## 36	-0.0130046366	0.0310402513	0.1160429871	0.0701392902	-0.0309478941

## 37	0.0047521608	0.0528960940	-0.0901881012	-0.0816160472	-0.0054982565
## 38	-0.0899421397	0.0691223013	-0.0164102805	0.0423974885	-0.0563271356
## 39	0.0240696860	-0.0386507997	0.0046268164	0.0013289342	-0.0216162634
## 40	0.0508275195	0.0727977664	0.0005214531	0.0022275377	0.0391608236
## 41	-0.0193363587	-0.0420715510	-0.0655663836	-0.0225299683	-0.0485400098
## 42	-0.0207407932	-0.0175904595	0.0340325209	0.0634931071	0.0033927014
## 43	0.0225683137	-0.0485176322	-0.0294611043	0.0049785758	0.0215407728
## 44	0.0084670291	0.0040465939	0.0629893614	-0.0498298538	0.0635157890
## 45	-0.1157254749	-0.0438651281	0.0174134686	-0.0456711619	-0.0730189527
## 46	0.0061855460	0.0482114525	0.1295796347	-0.0931015181	0.0333660089
## 47	-0.0493713680	0.0663076124	0.0364025221	-0.0300895848	-0.0240677871
## 48	0.0036573425	-0.0440956184	0.0193894739	-0.0382870580	-0.0343872395
## 49	-0.0454056137	0.0476859577	0.0287152239	-0.0002571807	-0.0281323062
## 50	-0.0327666537	-0.0190852150	0.0526086683	-0.0261720444	-0.0179566568
## 51	0.0314834770	-0.0454921147	0.0150585906	0.0788639625	-0.0105138828
## 52	0.0371003869	0.0194269585	0.0051734597	0.0604298014	-0.0575855737
## 53	0.0036291760	-0.0312239142	0.0259628989	0.0148401345	0.0580332666
## 54	0.0438075304	-0.0178169970	0.0179664761	-0.0140195871	-0.0102255802
## 55	0.0736828983	0.0487768986	-0.0625707969	0.0146451182	0.0309608224
## 56	0.0161377377	-0.1082042427	0.0327195181	-0.0887125425	-0.0239490600
## 57	0.0073361339	-0.0021338582	0.0208367340	0.0066642154	-0.0263393657
## 58	-0.0227317048	-0.0153013496	0.0538757698	0.0307902233	-0.0021216634
## 59	0.0134407001	-0.0430036511	0.0904394765	-0.0316450798	0.0272541324
## 60	-0.0156355316	0.0101572038	0.0536515569	-0.0318429068	0.0553840565
## 61	-0.0094419903	0.0213323495	-0.0162546838	0.0194523031	0.0108241964
## 62	-0.0037901239	0.0570719043	0.0202298351	0.0357511077	-0.0188304846
## 63	0.0508675238	0.0301630441	0.1376501451	-0.0282524491	-0.0510031429
## 64	-0.0179511787	0.0380009720	0.0086873620	-0.0192980368	-0.0232360046
## 65	0.1024611049	0.0107751984	0.0012160373	0.0199687789	0.0364928595
## 66	0.0081328551	-0.0167866745	-0.0169558035	-0.0405090683	0.0457676892
## 67	-0.0676570697	0.0018335748	-0.0016988106	0.0549180804	0.0288626413
## 68	-0.0246303790	0.0230585837	0.0729238478	-0.0082472724	-0.0001841560
## 69	0.0825983644	0.0491558589	0.0404690703	0.0304305338	0.0048852085
## 70	-0.0632730814	-0.0747429777	0.0184309084	-0.0119090216	-0.0647474006
## 71	0.0019496110	-0.0032503610	0.0062178567	0.0095180397	-0.0728189352
## 72	-0.0626557590	-0.0235890423	-0.1073683062	-0.0066318380	0.0220033432
## 73	-0.0347343956	0.0843610022	0.0001016244	0.0253937533	-0.0388843061
## 74	0.0080431828	0.0255147184	-0.0302825391	0.0179899072	-0.0414020208
## 75	0.0264914637	0.0243077493	-0.0156946674	0.0618957121	-0.0341261684
## 76	-0.0521220378	0.0469495567	0.0856153235	-0.0460683498	0.0404645418
## 77	-0.0527850422	0.0355727789	0.0154307326	-0.0617649802	0.0102955345
## 78	0.0212791310	0.0536840754	-0.0355066656	0.0270284443	0.0197602100
## 79	-0.0824870758	-0.0679530255	0.0167347279	0.0725020371	0.0366688716
## 80	-0.0013256006	0.0939572626	-0.0001792473	0.0359331261	-0.0698287689
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## 82	0.0070602976	-0.0493398697	0.0208946944	-0.0172586500	-0.0431456955
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## 84	0.0348171056	-0.0584408532	0.0534687078	-0.0293286125	-0.0097650435
## 85	-0.0166350289	-0.0490296891	-0.0464145120	-0.0108912677	0.0412253145
## 86	0.0176988524	-0.0936595560	0.0646568583	-0.0142599396	0.0492168834
## 87	0.0431712400	0.0783585181	0.0170267064	-0.0003521433	0.0336273313
## 88	0.0358154517	0.0249168077	0.0557253922	-0.0122230139	0.0218251633
## 89	-0.0355890532	0.0260933630	-0.0449302836	0.0664136561	-0.1035966426
## 90	-0.0092442222	0.0042865797	-0.0078869228	-0.0313530300	-0.0329581177

## 91	-0.0078382243	0.0468231996	0.0515300757	0.0162147503	-0.0114105219
## 92	-0.0142699104	0.0251958537	-0.0413838710	0.0300778834	0.0190117792
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## 94	0.0677547178	-0.0226571969	-0.0481594538	-0.0783220403	0.1036378553
## 95	0.1066317014	0.0079131639	-0.0305240948	0.0023719151	0.0359717420
## 96	-0.0138084707	-0.0595005502	-0.0905667614	-0.0211394990	0.0412546473
## 97	-0.0302461422	-0.0050465046	0.0126528729	0.0499142138	-0.0408945121
## 98	-0.0561007544	-0.0591932609	0.0008104770	-0.0013950920	0.0019878551
## 99	-0.0024219151	0.0590831335	-0.0070014878	0.0178891242	-0.0358684348
## 100	0.0108005515	-0.0699279517	-0.0184957597	0.0715379326	0.0531679305
## 101	0.0056543606	-0.0468457491	0.0410321670	0.0664395560	0.0124721365
## 102	-0.0780694718	0.0190021308	0.0568853934	0.0350122593	0.0243916952
## 103	-0.0061708238	-0.0448921737	-0.0119265274	-0.0918968186	0.0641156943
## 104	0.0271051452	0.0300126636	0.0043466301	0.0133332654	0.0737425800
## 105	-0.0135618875	0.0326273470	0.0965405465	-0.0081416212	0.0451191049
## 106	-0.0247181257	0.0334746791	-0.0315144866	0.0050639884	-0.0231371432
## 107	0.0497840138	0.0254473060	0.0262664528	-0.0464357385	-0.0480250832
## 108	0.0009843140	-0.0109048531	-0.0370912264	-0.0287438816	0.0367096205
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## 110	0.0156755469	-0.0709155893	0.0433112669	0.0310353565	-0.0547503643
## 111	0.0322286322	-0.0309813556	0.0443622421	-0.0534620851	-0.0093527281
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## 114	0.0302272709	-0.0364742228	-0.0411013733	0.0299673098	0.0290307521
## 115	0.0246735703	0.0512137768	-0.0570366054	-0.0164974640	-0.0015942478
## 116	-0.0425989392	-0.0208960926	0.0244782034	0.0844826171	0.0296268621
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## 118	0.1038934679	0.0536185403	0.0609761594	-0.0689951174	-0.0490206198
## 119	-0.0364973825	0.0693108612	0.0031482091	0.0316254942	-0.0662961762
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## 121	-0.0316853143	-0.0354407321	-0.0317490343	-0.0102373876	-0.0201281718
## 122	-0.0176417390	-0.0479598479	-0.0729984353	0.0109004220	0.0754952108
## 123	0.0056211869	0.0183364035	0.0086285302	-0.1058336600	-0.0790682050
## 124	-0.0117349735	-0.0324812243	0.0415521327	0.0435414501	0.0701278551
## 125	0.0279563368	0.0269711131	-0.0739146936	0.0286178508	-0.0526837581
## 126	0.0532906788	0.0370028581	0.1109487638	0.0209750833	0.0195411114
## 127	0.0135315845	-0.0302071257	-0.0259032892	-0.0186087580	0.0225985321
## 128	-0.0162566465	0.0159510977	-0.0112424756	0.0306167022	-0.1121633276
## 129	0.0067961138	0.0102617464	-0.0121096658	-0.0709054673	-0.0269135384
## 130	-0.0581615346	0.0693071822	-0.0724891663	0.0128170939	-0.0449648799
## 131	-0.0498976522	-0.0083874566	-0.0459695075	0.0535424866	-0.0024638502
## 132	-0.0969122564	-0.0545641336	0.0625608368	0.0133496723	0.0402092216
## 133	0.0638098050	0.0388708810	0.0294618238	-0.0305210852	0.0189547896
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## 135	0.0356521074	0.0080426857	0.0085460040	-0.0303583653	-0.0084838364
## 136	-0.0286443118	0.0149158352	-0.0227411512	0.0010053553	-0.0291667754
## 137	0.0667633417	-0.0044545537	0.0898101983	0.0184933051	-0.0507229180
## 138	0.0601070562	-0.1101082636	0.0152700294	-0.0665663686	0.0148104898
## 139	-0.0060116613	0.0230535315	-0.1163381510	-0.0048111020	-0.0013878591
## 140	0.0318946985	0.0413256081	0.0067283622	-0.0200484628	0.0008168866
## 141	0.0371365246	-0.0322677448	-0.0387202215	-0.0496977312	0.0539634323
## 142	0.0340327995	0.0256659794	0.0999585435	0.0130690847	-0.0264153074
## 143	-0.0285431772	0.0082948194	0.0151615787	0.0450998383	-0.0372732420
## 144	0.0012750482	-0.0206389097	-0.0004460794	-0.0710749330	0.0328274510


```

## 145 -0.0077098736 0.0260370224 0.0865556679 -0.0195390733 -0.0819384715
## 146 -0.0877837018 -0.0511801034 -0.0309173093 -0.0106410396 -0.0270886182
## 147 -0.0790636485 -0.0321250295 0.0399741723 -0.0713718839 -0.0800187844
## 148 -0.0674219582 -0.0236392946 0.0337987102 -0.0197166892 0.0381005872
## 149 0.0065060192 -0.0135509030 -0.0289037091 0.0393318201 0.1029315659
## 150 0.0476538738 0.0330648676 -0.0317962788 0.0519416146 0.0351618712
## 151 -0.0975860807 0.0229383458 -0.0691380451 -0.0544887452 -0.0361000196
## 152 0.0167677875 -0.0688081906 -0.0119220943 0.0007421648 -0.0268163612
## 153 -0.0434263801 0.0268470926 -0.0528056196 -0.0217561469 0.0258496598
## 154 -0.0050754417 0.0373245786 -0.0366412661 -0.0528055818 -0.0536701851
## 155 -0.0504838413 -0.0583445877 0.0190607461 0.0060074390 -0.0651039392
## 156 0.0557951286 0.0420250156 -0.0036454032 0.0411490018 -0.0231737572
## 157 0.0028029616 0.0253333770 -0.0327033997 -0.0913371408 0.0088918226
## 158 -0.0653913546 0.0071988025 0.0153668208 -0.0255596494 -0.0240641044
## 159 -0.0667385505 0.0282912464 -0.0397529038 0.0726130931 0.0018277708
## 160 -0.0740365501 0.0015608391 0.0060068771 0.0102381338 -0.0035047236
## 161 -0.0170527324 0.0371103671 -0.0503000533 0.0262741890 0.0138307362
## 162 -0.0180372276 0.0062713167 0.0829556751 0.0249454714 0.0392399250
## 163 -0.0543302905 -0.0228331758 -0.0658231363 0.0347390928 -0.0003188743
## 164 0.0153989006 0.0608529091 -0.0537889310 -0.0128587672 0.0263320925
## 165 0.0267113021 0.0551264381 -0.0867777237 0.1125188108 -0.0533312147
## 166 0.0134348527 0.0136128039 -0.0415974158 0.0223019227 -0.0391326907
## 167 0.0204979056 -0.0601126644 -0.0020893123 0.0119262961 -0.0040280924
## 168 0.0529879312 0.0765919137 -0.0264017282 0.0196211352 0.0501144577
## 169 -0.0311149349 0.0329840973 0.0024629675 0.0560561452 -0.0505733949
## 170 -0.0208165168 -0.0147025488 0.0003983286 -0.0113923109 0.0248851042
## 171 0.0292322751 -0.0433566527 -0.0158222130 -0.0255850782 0.0454675820
## 172 0.0184462364 0.0123107265 0.0340939924 -0.0103422353 -0.0664599859
## 173 -0.0095791650 -0.0103660071 -0.1061859484 0.0359312398 -0.0494023472
## 174 0.0404906324 0.0238337249 -0.0338731950 0.0253275697 0.0331356800
## 175 0.0107286387 -0.0078012494 0.0860140691 -0.0733134139 -0.0434772101
## 176 0.0239582551 0.0491002290 -0.0022875881 0.0075402660 -0.1100219007
## 177 -0.0498467144 0.0258973250 -0.0883602277 -0.0076437741 -0.0481544401
## 178 -0.0404440799 0.0367754560 0.0048204971 0.0306148166 0.0129087274
## 179 -0.0503903353 0.0142218085 -0.0121089837 0.0180615740 -0.0113186933
## 180 -0.0141360692 -0.0071761776 0.0382030256 0.0296159610 -0.0314130309
## 181 0.0906317623 -0.0092402452 -0.0881858521 0.0258717731 0.0035370817
## 182 -0.0668467083 0.0325623620 0.0741152844 -0.0051286659 -0.0229674359
## 183 0.0265397018 -0.0003946622 0.0477075614 -0.0028613497 -0.0560861710
## 184 0.0627070374 0.0044888063 -0.0280599706 0.0506007931 0.0052308251
## 185 0.0204546743 -0.0111922309 -0.0437685556 -0.0269186195 0.0065166046
## 186 -0.0287160000 0.0269318384 0.0403798980 -0.0558340170 0.0724289267
## 187 0.0484184895 -0.0502312015 0.0113445946 0.0685250811 0.0349066093
## 188 0.0373249408 -0.0559406723 0.0318912625 0.0758099843 -0.0710003818
## 189 -0.0706757893 0.0123466461 0.0453859378 -0.0380957553 0.0422733122
## 190 0.0357391461 -0.0299944095 0.0218328356 -0.0827097817 0.0456221203
## 191 0.0388017520 0.0428874676 0.0676123936 -0.0222211037 -0.0372862123
## 192 -0.0491203816 -0.0260324597 -0.0296990528 -0.0225033979 -0.0521920109
## 193 0.0414531573 -0.0653404523 0.0510113280 -0.0308612448 0.0556128717
## 194 -0.0118370957 -0.0814082178 -0.0437023764 -0.0284631328 0.0255254328
## 195 -0.0210741193 -0.0518444459 -0.0523553752 -0.0379602570 -0.0009663851
## 196 -0.0203013808 -0.0049755036 0.0105085246 0.0132939721 0.0017588962
## 197 0.0111013541 0.0185815413 -0.0085186920 0.0074406950 -0.0232288124
## 198 0.0368353299 0.0711244696 0.0162839291 0.0807967883 -0.0160608591

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## 199	0.0107634107	0.0012423334	0.0218573039	0.0237720153	-0.0293469111
##	V51	V52	V53	V54	V55
## 1	0.0736458449	-0.0232337272	0.0608758408	2.498555e-02	5.083704e-02
## 2	0.0950367050	-0.0118760746	-0.0082949625	-6.829409e-02	-2.703351e-02
## 3	0.0234705941	0.0629279921	0.0042020829	3.460581e-02	4.479850e-02
## 4	-0.0393124983	0.0662566743	0.0201688404	6.570666e-02	-7.533787e-02
## 5	0.0266710251	0.0041432493	0.0043127333	9.259565e-02	8.219159e-02
## 6	-0.0589018302	-0.0048733574	-0.0277299313	6.801733e-02	-3.905196e-02
## 7	-0.0632360495	0.0675642545	0.0291795404	8.109424e-02	-3.939363e-02
## 8	-0.0629106928	-0.0621548081	0.0488779430	-4.382834e-02	1.478106e-02
## 9	-0.0265654081	-0.0672736569	-0.0627272856	6.639375e-02	-3.302233e-02
## 10	0.0388156480	0.0129509903	-0.0342483863	-3.756112e-02	1.447019e-02
## 11	0.0054204161	-0.0741259335	-0.0119488633	-6.824686e-02	7.608157e-02
## 12	-0.0041890371	0.0303887958	0.0148485519	-8.033387e-02	-3.260802e-05
## 13	0.0287009194	-0.0162226593	0.0323751533	3.616907e-02	4.016969e-02
## 14	-0.0778476646	0.0100691710	0.0635102606	5.015260e-02	-2.999278e-02
## 15	-0.0060013341	0.0037255683	0.0592126702	3.603142e-02	7.668482e-02
## 16	0.0293256246	-0.0694631837	0.0600144397	-1.090006e-02	-4.722645e-03
## 17	0.0833801046	0.0214558941	0.0317912812	-1.403981e-02	-1.234520e-02
## 18	-0.0645011718	0.0042821792	0.0184793552	-4.640369e-02	-3.392311e-03
## 19	0.0053016777	0.0590918345	0.0149740981	1.617637e-03	-1.937323e-02
## 20	-0.0391128938	-0.0242470918	0.0188882518	1.484789e-02	2.264596e-02
## 21	0.0188837692	-0.0608957565	-0.0518334079	-1.237719e-01	1.913882e-02
## 22	-0.0321708487	-0.1176854677	-0.0160260359	4.370915e-02	8.514330e-02
## 23	0.0512644802	0.0264720362	0.0312133444	-4.364759e-02	1.917701e-02
## 24	0.0429938525	-0.0809184503	-0.0397440755	-7.240140e-02	-4.557556e-02
## 25	0.0296482576	-0.0050454804	0.0241111839	1.280664e-01	-2.535044e-02
## 26	-0.0523242526	0.0186133997	0.0903148457	2.176161e-02	6.132435e-03
## 27	-0.0154024247	-0.0049620301	-0.0557941851	-5.285024e-02	-2.234133e-02
## 28	-0.0502288883	0.0287370178	0.0120498101	-8.717589e-02	8.961978e-03
## 29	0.0428565093	0.0658475029	-0.0533662135	1.828235e-02	-2.661328e-02
## 30	-0.0882527080	0.0462358619	0.0470978305	-5.474051e-02	-2.771740e-02
## 31	-0.0249632413	-0.0238231432	0.0288632465	-1.981410e-02	2.903921e-02
## 32	0.0354594462	0.0643383924	0.0375508282	1.873365e-02	-3.358103e-02
## 33	-0.0217395472	-0.1025334955	0.0663612966	-6.406885e-03	-8.451613e-03
## 34	0.0208997739	-0.0370572842	0.0729606122	7.974415e-02	5.428625e-02
## 35	0.0220271617	-0.0408704435	-0.0328601147	8.671408e-03	-4.489209e-02
## 36	0.0647204414	0.0639233313	0.0457776526	-7.015098e-02	-5.907042e-02
## 37	-0.0604796086	-0.0237714842	0.0267315686	-1.537054e-02	-3.225919e-02
## 38	0.0246855990	-0.0129754799	0.0156759775	-4.952191e-03	3.654998e-03
## 39	-0.0528424052	0.0050823322	0.0522713590	3.553732e-02	8.390715e-02
## 40	0.0107934727	-0.0081632654	0.0216406230	-7.352011e-03	2.990393e-02
## 41	0.0511551909	0.0222295484	-0.0371138526	2.784727e-02	2.870074e-02
## 42	-0.0642212665	0.1048053711	-0.0899360189	-3.115224e-02	-1.057044e-01
## 43	0.0077309998	0.0018124831	0.0467074252	7.464428e-03	-1.154264e-02
## 44	0.0348887124	-0.0305255512	0.0068948007	1.716051e-02	-3.443386e-02
## 45	-0.0384890104	-0.0286689559	-0.0585807134	4.620671e-02	-1.850290e-02
## 46	0.0558794789	0.0354389341	-0.0826653463	1.618822e-02	4.334288e-02
## 47	-0.0326344233	0.0509745162	0.0122898524	9.064245e-03	3.095546e-02
## 48	-0.0103162033	-0.0343715464	-0.0713046933	4.737669e-02	1.297837e-02
## 49	0.0096085202	0.1093605419	0.0054900412	8.331128e-03	-2.653058e-02
## 50	0.1069964275	0.0133569993	-0.0122951533	-4.051866e-02	-7.211403e-03
## 51	0.0564694634	-0.0107341926	-0.0360534071	2.155001e-03	1.252093e-02
## 52	-0.0256385137	-0.0319501240	-0.0796501225	-9.123054e-02	5.025595e-02

## 53	0.1259461346	0.0717177628	0.0326977490	-8.007839e-03	4.722972e-02
## 54	-0.0642494850	-0.0663580866	0.0096947762	-4.382447e-02	2.243877e-03
## 55	0.0830021328	-0.0323155510	0.0389376262	1.109746e-01	-1.209050e-03
## 56	-0.0092803915	-0.0446296812	0.0079932458	-1.418658e-02	2.265672e-02
## 57	0.0833857004	-0.0454374228	0.0362607305	4.102748e-02	1.539632e-02
## 58	-0.0294209986	0.0111375119	0.0295805911	3.067560e-02	1.728324e-02
## 59	-0.0332991400	-0.0164640218	-0.0453827976	-1.496998e-02	6.756457e-02
## 60	0.0093641113	0.0411959437	-0.0504472848	4.549463e-02	7.754526e-02
## 61	0.0029019339	0.0097381411	0.0026203710	-1.075561e-01	-1.611217e-02
## 62	-0.0010286725	0.1317269020	-0.0673598486	-5.736872e-02	-5.836351e-02
## 63	-0.0863971337	-0.0160563359	0.0120772751	-6.161404e-02	3.436081e-02
## 64	-0.0621802765	0.0139327515	0.1348766832	-1.789472e-03	2.680215e-02
## 65	0.0543738696	-0.0091755099	0.0159253820	6.355946e-02	-1.514620e-02
## 66	0.0650160254	-0.0263988051	0.0508607129	-9.705324e-02	-4.902535e-02
## 67	-0.0440692111	0.0840393677	-0.0640238148	5.291548e-04	1.528208e-02
## 68	0.1147469443	0.0500153361	-0.0299522078	1.599028e-02	6.472423e-02
## 69	-0.0030401621	0.0451131035	-0.0206879882	1.640895e-02	7.652416e-02
## 70	0.0047069150	0.1328767582	0.0248886056	3.091369e-02	-3.834808e-02
## 71	0.0117059224	0.0063759950	-0.0704895862	2.321157e-02	-4.808048e-03
## 72	0.0463282474	-0.1458984514	0.0421580320	-1.676246e-03	-1.863671e-02
## 73	0.0295805553	-0.0217216086	0.0576215039	3.093564e-02	-3.412864e-03
## 74	0.0028563710	-0.0168195381	-0.0286639158	7.413979e-02	-4.225682e-02
## 75	0.0021521718	0.0967828666	0.0098164186	5.801109e-02	-2.504725e-02
## 76	-0.0532170993	0.0793003022	-0.0059561752	7.863976e-03	-5.117448e-02
## 77	-0.0435375799	0.0181218794	0.0475495880	-2.089164e-02	1.420333e-02
## 78	-0.1594952710	-0.0312752464	0.0673651943	-2.102314e-02	4.240691e-02
## 79	-0.0356950594	0.1113158279	0.0241602064	2.563591e-02	-4.472494e-02
## 80	0.0063636534	0.0145197505	0.0059888240	1.427716e-02	2.579370e-02
## 81	-0.0245867310	-0.0023149450	0.0575783977	2.309159e-02	6.735556e-02
## 82	-0.0286291216	-0.0171254043	0.0811079069	-3.675499e-03	7.205298e-02
## 83	-0.0209506731	0.0188138699	0.0255404267	-7.994203e-02	-1.864582e-02
## 84	-0.0260179663	0.0676715364	0.0826208655	1.631430e-02	2.081042e-03
## 85	0.0382580412	0.0459937669	-0.0172675932	-3.681304e-02	4.910621e-02
## 86	0.0204856671	-0.0330526445	0.0497305494	1.927725e-02	-5.454407e-02
## 87	0.0037475168	0.0167736257	0.0181284835	9.825104e-02	1.197102e-02
## 88	-0.0324601719	0.0443839491	-0.0255745964	-2.695304e-02	-3.270455e-02
## 89	0.0564608285	0.0476811446	0.0532217768	-2.078564e-03	-2.591798e-02
## 90	-0.0047742499	-0.0323254751	-0.0077061634	-3.705058e-02	-1.802448e-02
## 91	0.0241906990	-0.0256223002	0.0188358332	-7.691508e-03	2.597756e-02
## 92	0.0635984999	-0.0415330216	0.0015171125	2.362100e-02	6.854032e-02
## 93	0.0181296246	-0.0535365791	0.0140328023	3.495287e-03	3.883973e-04
## 94	0.0629117032	-0.0620988461	0.0408762110	-9.678737e-03	4.052483e-03
## 95	0.0870947972	0.0345489706	-0.0790360085	3.436357e-02	-9.991903e-03
## 96	0.0629602465	-0.0301882790	0.0381003385	-7.492640e-02	1.557461e-02
## 97	0.0271450044	-0.0718294995	-0.0207419999	-6.668051e-03	1.168922e-02
## 98	-0.0504505175	0.0083395089	0.0084124923	-1.054289e-02	-2.402832e-02
## 99	0.0254198589	-0.0248126593	-0.0079249003	2.186878e-02	8.248804e-02
## 100	0.0515190309	0.0035116542	0.0186117416	-1.655133e-02	-1.204097e-03
## 101	0.0075969539	-0.0695801785	-0.0454779647	-5.866988e-03	-4.985236e-03
## 102	0.0211893679	-0.0393439805	-0.0439766496	-1.575366e-02	-6.774074e-02
## 103	-0.0267424112	0.0327391529	0.0041587866	3.791981e-02	2.470072e-02
## 104	0.0274630047	-0.0225015490	0.0912582249	-6.127336e-03	-3.797102e-02
## 105	0.0413087809	-0.0155336660	-0.0794280074	2.499791e-02	2.614408e-02
## 106	0.0291745965	0.0410048978	-0.0769206620	-4.800079e-02	-5.130923e-02

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## 107 -0.0720594591 0.0270856792 0.0801276726 -8.634912e-02 3.629599e-02
## 108 -0.0421414381 -0.0355090568 -0.0481873749 -3.276203e-02 -5.202617e-02
## 109 -0.0090845164 0.0706081977 0.0052612102 7.801093e-02 1.422623e-02
## 110 -0.0321952443 -0.0020532888 -0.0701020262 3.027877e-02 2.233351e-02
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## 118 -0.0158331211 -0.0276985092 0.0010178969 -1.994467e-02 1.068500e-01
## 119 0.0033806834 0.0822014056 0.0662117324 -7.410599e-02 -6.611392e-02
## 120 0.0329321053 -0.0053484121 0.0035604911 -1.883517e-02 3.894246e-03
## 121 0.0116480851 0.0716614856 -0.0472807157 2.881951e-03 -3.282157e-02
## 122 0.0011382273 -0.0110753217 0.0254459010 -5.276121e-05 -2.967383e-03
## 123 0.0095177727 -0.0497323198 -0.0549130968 -6.642147e-03 -9.412688e-03
## 124 -0.0739577550 -0.0039164136 -0.0077440258 -9.770173e-03 2.962224e-02
## 125 0.0390458545 0.0888123677 -0.0033381400 5.450344e-02 2.521480e-02
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## 128 0.0145427619 -0.0947314934 -0.0036492703 4.556649e-02 3.442460e-02
## 129 -0.0022685198 0.0920211432 -0.0136692786 5.924759e-02 4.610987e-02
## 130 -0.0286437008 -0.0860589863 0.0162838745 1.823927e-02 2.353212e-02
## 131 -0.0316471414 0.0165009910 0.0466563667 5.065916e-02 -1.059667e-02
## 132 0.0575397468 0.0372047203 -0.0045737812 2.541803e-02 3.067579e-02
## 133 -0.0195627634 0.0245163134 -0.0187911307 -6.181750e-02 1.477056e-02
## 134 0.0010303055 -0.0052578155 0.0442772990 -2.004778e-02 3.211098e-02
## 135 0.0059180224 0.0229167574 -0.0152619970 -2.578695e-02 -1.897485e-02
## 136 0.0020910372 0.0010607060 -0.0451836071 1.048698e-03 -1.958836e-02
## 137 -0.0297613324 -0.0385711230 0.0439807335 7.671125e-03 -3.572085e-02
## 138 0.0377793618 -0.0179114476 -0.0381114405 2.518257e-02 1.079593e-02
## 139 0.0221041244 -0.0127744004 -0.0898460607 -9.428527e-02 -2.026814e-02
## 140 0.0122322262 0.0029886258 -0.0077840797 -2.576443e-02 -2.619691e-02
## 141 -0.0595420494 -0.0638085266 -0.0165761180 -1.634499e-02 -2.470418e-02
## 142 0.0509253903 0.0026507966 -0.0138620317 -2.248987e-02 -5.015811e-02
## 143 0.0588256221 0.0066070815 -0.0327478336 8.870835e-02 -2.488325e-03
## 144 0.0534895629 0.0563105582 -0.0332771839 3.090709e-02 4.039772e-02
## 145 -0.0291085022 0.0231497380 0.0001244729 -1.407346e-02 9.663779e-02
## 146 0.0506992457 0.0013013648 -0.0138791588 3.615267e-02 4.048983e-02
## 147 -0.0823888360 0.0292079604 -0.0171542213 -5.888492e-03 1.496175e-02
## 148 0.0969135505 -0.0310941565 -0.0074908360 5.775587e-02 1.847534e-02
## 149 0.0215300463 0.0728336438 0.0825925581 3.086001e-03 -2.394448e-02
## 150 0.0491245811 0.0160152628 0.0012571404 -2.541170e-02 2.329146e-02
## 151 -0.0602433799 -0.0533106529 -0.0152653477 -3.928821e-02 6.316528e-02
## 152 -0.0400389036 -0.0670574448 -0.0049153020 2.458043e-02 -2.711808e-02
## 153 -0.0046078381 0.0273863406 0.0529289781 3.314767e-02 9.115751e-03
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## 155 0.1033985053 -0.0177339910 -0.0320663713 -4.242148e-03 2.105636e-04
## 156 -0.0378868338 0.0311615438 -0.0019918794 -9.746476e-04 7.253777e-03
## 157 0.0773325530 -0.0041781874 0.0593312667 -3.899851e-03 -1.066012e-03
## 158 0.0707529246 0.0061539096 -0.0122940327 9.521377e-02 -8.917651e-03
## 159 0.0411830922 0.0121895158 -0.0091204323 -7.007797e-02 9.936586e-04
## 160 0.0061210813 0.0340727372 0.0215593179 4.303277e-02 -9.471726e-02

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## 161	-0.0475375918	0.0241348626	0.0192470935	6.662652e-03	-4.033429e-04
## 162	0.0320435956	-0.0186284040	0.0092659360	3.352755e-02	4.672103e-02
## 163	0.0560875126	-0.0375961744	0.0586963409	-3.078233e-02	-2.133170e-02
## 164	0.0315997797	0.0391036307	0.0569967080	9.327230e-02	-5.845098e-02
## 165	-0.0091759968	-0.0855407279	0.0110482370	-4.228739e-02	-1.753348e-02
## 166	0.0662370018	-0.0804386538	-0.0654110949	3.874608e-02	-1.643984e-03
## 167	-0.0137219294	0.0329499289	-0.0486138485	1.434206e-02	-6.265652e-02
## 168	-0.0195115644	0.0814225632	0.0464197606	-3.077416e-02	-1.829872e-02
## 169	0.0602883760	-0.0091779997	-0.0437706711	-7.248688e-02	2.476172e-02
## 170	-0.0396756916	0.0153787518	-0.0640278331	-2.097661e-02	6.286914e-02
## 171	0.0465692729	0.0341294112	-0.0090092043	4.540617e-02	-1.052670e-01
## 172	0.0184218117	0.0647083976	-0.0162530466	-4.065193e-02	4.380600e-02
## 173	0.0281223795	-0.0091821272	-0.0080997858	-3.070902e-02	4.458022e-02
## 174	-0.0336706964	-0.0060655598	0.0477570201	1.176861e-01	-1.216884e-02
## 175	0.0433120447	0.0153816478	-0.0840668839	3.579112e-03	3.103355e-02
## 176	0.0495307882	0.0109876468	-0.0540166298	-1.898466e-02	-1.892320e-02
## 177	-0.0383856328	0.0201041688	-0.0656780480	1.127225e-02	-2.005900e-02
## 178	0.0087768210	-0.0010654788	0.0040255498	3.006810e-02	3.961266e-02
## 179	-0.0339524680	0.0511464418	0.0172048882	-8.906540e-02	1.394961e-02
## 180	-0.0178587988	0.0514588553	0.0082104955	6.047073e-02	3.526758e-02
## 181	0.0039170258	-0.0563876256	0.0190303336	2.962532e-02	4.554075e-02
## 182	-0.0312942216	-0.0317853076	-0.0425418057	-1.692565e-02	5.917405e-03
## 183	-0.1002252459	-0.0363814283	0.0624232708	1.878542e-02	2.824808e-02
## 184	0.0475959167	0.0252979336	-0.0312556934	5.315689e-02	4.433374e-02
## 185	-0.0337478267	-0.0084637147	0.0526592071	4.765497e-02	-3.700690e-02
## 186	0.0109569519	0.0423649004	0.0567083582	5.414325e-03	2.716493e-02
## 187	0.0115854703	0.0359162074	0.0349973254	-5.049180e-02	2.532809e-03
## 188	-0.0284810097	-0.0318218182	-0.0050101671	-4.920393e-02	6.322369e-02
## 189	-0.0300267483	0.0018236886	0.1012994684	-4.088071e-02	2.576654e-03
## 190	0.0027523405	0.0003199514	-0.0191475380	3.261359e-02	-2.386118e-02
## 191	0.0202782840	-0.0257888868	-0.0268025144	-8.450791e-03	-4.089914e-02
## 192	-0.0352569173	0.0156107100	-0.0023029162	4.904438e-02	4.961997e-02
## 193	-0.0556795770	-0.0412670685	0.0516208294	4.871877e-02	3.366058e-03
## 194	0.0080801895	-0.0226356412	0.0314990852	-2.846165e-02	-6.494915e-02
## 195	0.0190338685	0.0389712983	-0.0040490543	2.556516e-02	1.208736e-02
## 196	-0.0101359315	0.0323011971	-0.0342132938	1.078018e-02	2.067698e-02
## 197	-0.0006624211	-0.0135754267	-0.0763134155	-3.699842e-02	-3.652469e-02
## 198	0.0257736411	0.0647902143	0.0272229476	-7.313797e-02	4.630143e-02
## 199	-0.0396008821	0.0370707825	-0.0179489396	-1.903428e-02	-4.117587e-03
##	V56	V57	V58	V59	V60
## 1	0.0329947475	-2.121446e-02	-0.0529900281	0.0097394303	-9.603166e-03
## 2	0.0309456631	-1.772452e-02	0.0116719510	0.0119204883	-4.977430e-03
## 3	0.0032124682	3.354156e-02	0.0504704072	-0.0854559196	-2.907616e-02
## 4	0.0041603926	-7.048562e-02	-0.0210542959	-0.0247083784	-5.431744e-02
## 5	-0.0077216988	2.050191e-02	-0.0255419360	0.0648231490	-2.789775e-02
## 6	-0.0757949289	3.308070e-02	0.0509770411	0.0110227933	-1.923820e-02
## 7	0.0645993533	2.850829e-02	0.0782878157	0.0300455884	2.433368e-02
## 8	0.0181585311	-2.983111e-02	-0.0471602899	0.0036480186	-2.043409e-02
## 9	0.0050250124	1.095196e-02	-0.0062869541	-0.0030832599	9.900704e-03
## 10	-0.0035528902	6.154815e-02	0.0015823022	-0.0181738295	-2.318747e-02
## 11	0.0828363353	1.009997e-01	0.0474629188	0.0528800174	1.459680e-02
## 12	-0.0817069091	-5.454430e-02	0.0015778869	-0.0366720048	2.563193e-02
## 13	0.0293631364	5.492115e-02	-0.0100026635	0.0418541340	4.364623e-03
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## 15 -0.0751810059 4.610778e-02 0.1033553297 -0.0254359300 -2.869209e-02
## 16 -0.0541315556 -1.981076e-02 0.0361709440 0.0073468772 -7.676501e-02
## 17 0.0009060389 4.515587e-02 -0.0293731958 0.0221268337 -2.140826e-02
## 18 -0.1374817883 -7.396087e-02 -0.0096737604 0.0078205923 -5.630167e-03
## 19 0.0333523796 2.623307e-02 -0.0506189234 0.0054428503 1.101338e-02
## 20 0.0281089726 8.775746e-02 0.0503453277 0.0217020074 -8.519563e-04
## 21 0.0511214800 -7.567585e-02 -0.0409247080 0.0039397617 5.605910e-02
## 22 0.0185038347 -1.059827e-02 -0.0757082476 0.0173618298 -5.060177e-02
## 23 0.0315648624 -1.865514e-02 -0.0936137463 0.0300360560 -6.310110e-02
## 24 -0.0405021781 -1.216407e-02 0.0052345078 -0.0192718603 2.500619e-02
## 25 0.0036921859 2.745283e-02 0.0431627044 0.0180884146 -3.761448e-02
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## 28 0.0029696114 2.115694e-02 -0.0288901346 0.0605307343 2.634412e-02
## 29 -0.1004827735 2.521507e-02 -0.0646451254 0.0221509651 3.818544e-02
## 30 -0.0027584426 6.355653e-02 -0.0038981773 -0.0312548091 5.931221e-02
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## 32 0.0794135377 -9.563058e-04 0.0288772692 -0.0102631111 2.993105e-02
## 33 -0.0467711539 -2.550060e-02 -0.0380977822 -0.0070951081 5.665147e-02
## 34 0.0274197190 3.553617e-02 -0.0167292457 -0.0509306450 7.307448e-03
## 35 0.0236673601 -2.251542e-02 -0.0011899946 -0.0257706004 -3.555016e-02
## 36 -0.0190180614 4.960513e-02 -0.0302160942 0.0763471340 1.759827e-02
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## 38 0.0597656923 -4.210691e-02 0.0202758218 -0.0444457062 3.038986e-02
## 39 -0.0492340327 -7.199265e-05 -0.0068229618 -0.0403805167 5.467225e-02
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## 54 -0.0514183184 -7.694913e-02 0.0721962250 -0.0234545544 3.962455e-02
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## 74 0.0091448573 2.324806e-02 -0.0272903595 -0.0229100083 -1.176642e-03
## 75 0.0063637104 -6.431187e-02 -0.0613682512 -0.0756722990 -5.388248e-02
## 76 0.0548366071 1.996943e-02 -0.0430591810 -0.0308437339 -3.184053e-02
## 77 0.0193489975 1.145051e-01 -0.0085748378 0.0423704725 7.479222e-02
## 78 0.0103294486 -1.045799e-01 -0.0364067612 -0.0357978453 -7.521736e-03
## 79 0.0431975260 1.596393e-02 -0.0023477564 -0.0596452270 1.810683e-02
## 80 -0.0707297735 -3.838290e-02 -0.0634028078 -0.0361259787 3.571493e-02
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## 82 -0.0310351778 5.224015e-03 0.0241557371 -0.0519293488 5.289575e-02
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## 88 0.0006282420 2.187223e-02 0.0276293417 -0.0281760055 -6.673172e-02
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## 90 0.0007583689 -1.684636e-02 0.0337909068 0.0570689980 -1.470524e-03
## 91 -0.0585870648 -3.635086e-02 0.0430288364 -0.0204804379 6.402325e-03
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## 93 0.0767339096 1.179550e-01 -0.0695476715 -0.0181728266 -3.858525e-02
## 94 0.0513096623 2.336500e-02 0.0597227126 0.0149530240 -4.295695e-02
## 95 0.0909498534 2.196726e-02 -0.0220517671 -0.0747800253 6.393971e-02
## 96 -0.0160249666 5.557885e-03 -0.0409393187 0.0063230464 -4.902677e-02
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## 98 -0.0208013274 -1.247883e-02 -0.0357470957 -0.0516659580 -1.373984e-02
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## 101 -0.0428456649 2.184589e-02 0.0842147001 -0.0017246699 1.009154e-02
## 102 0.0184654969 3.648956e-02 -0.0501249093 -0.0742532303 3.715331e-02
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## 104 -0.0276856295 4.297325e-02 -0.0069733433 0.0311966138 5.143992e-02
## 105 0.1230261942 1.820485e-02 0.0349246790 -0.0712138140 -8.741442e-03
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## 107 0.0003219084 3.851896e-02 0.0106230224 -0.0109742415 2.863010e-02
## 108 -0.0473601165 8.755444e-03 0.0061311425 -0.0250084781 -1.679196e-02
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## 110 0.0086290061 -4.148611e-03 -0.0163126530 0.0092126730 -1.752921e-02
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## 126 0.0289626722 5.572287e-02 0.0115778128 -0.0484962460 -8.724424e-02
## 127 -0.0323463780 5.105090e-02 -0.0296261530 0.0406781191 1.711189e-02
## 128 0.0649357346 6.205233e-02 -0.0416544450 -0.0293399983 3.326388e-02
## 129 -0.1317495896 -4.431965e-02 -0.0449820188 -0.0404413204 -2.431755e-02
## 130 -0.0064803192 2.151573e-02 -0.0052621471 -0.0347939628 5.524854e-03
## 131 -0.0158412077 5.206677e-02 -0.0206082471 0.0069013421 -8.456302e-02
## 132 0.0005372334 1.820076e-02 0.0122030140 0.0658438672 1.127592e-02
## 133 0.0040737798 -5.808107e-02 0.0343125613 0.0416538515 -1.193299e-02
## 134 0.0800300240 7.001744e-02 -0.0598616648 0.0125010768 3.917601e-02
## 135 -0.0268200860 1.686945e-02 0.0540953817 -0.0664045290 8.345104e-02
## 136 0.0053915446 -3.729422e-02 0.0261374799 0.0488504403 -5.943655e-03
## 137 0.0201166943 7.893259e-02 0.0668793608 -0.0175028437 -5.951392e-02
## 138 0.0100653164 1.746817e-02 -0.0071055461 0.0401212985 -3.252951e-03
## 139 -0.0401703184 7.785251e-03 0.0560621206 0.0187041557 4.192898e-02
## 140 0.0541682819 6.824014e-02 -0.0072562651 -0.0009533128 -9.210575e-04
## 141 0.0066879216 -2.105600e-02 0.0340184226 -0.0278476301 -5.054298e-02
## 142 -0.0197967931 -1.565795e-03 -0.0692171416 0.0816077754 -4.391920e-02
## 143 0.0915619909 4.201808e-02 -0.0194961586 0.0262054877 -5.175474e-02
## 144 0.0406417921 -6.714734e-02 0.0304369001 0.0305099412 -1.901482e-02
## 145 0.0061891915 -5.434560e-03 0.0349223468 -0.0054615104 3.133286e-02
## 146 -0.0409672678 -8.279997e-02 0.0979720939 -0.0669423910 -5.830064e-02
## 147 0.0464107278 -5.648893e-03 0.0378569496 -0.0408497855 -7.109587e-03
## 148 -0.0203406442 5.025430e-02 0.0686112933 -0.0062047186 -5.503585e-03
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## 152 -0.0266776031 3.327671e-02 0.0164075084 0.0161704672 5.911133e-02
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## 154 0.0752784447 2.634965e-02 -0.0101378641 0.0125369815 -4.824231e-02
## 155 -0.1000429847 -3.810848e-02 -0.0040718661 -0.0007448805 -6.893664e-03
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## 158 -0.0320208002 -2.686248e-02 0.0238730860 -0.0244913678 -1.656017e-02
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## 160 0.0159613378 -4.992987e-03 -0.0482797581 -0.0027495678 2.333503e-02
## 161 0.0202803260 -7.206379e-02 -0.0237407626 -0.0586627289 -1.591898e-02
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## 164 -0.0214669614 6.935218e-02 0.0289826220 -0.0055784605 1.206161e-01
## 165 -0.0297056215 -4.126573e-02 -0.0196388798 -0.0415567177 -6.308169e-02
## 166 0.0277315786 -4.585251e-02 -0.0321007807 -0.0894779433 1.325728e-02
## 167 -0.0533631575 -7.721903e-05 -0.0024667363 -0.0685420242 9.742734e-02
## 168 -0.0207181920 6.142146e-02 0.0708516778 -0.0543082911 1.855626e-02
## 169 0.0188083557 -9.319004e-02 -0.0119043069 -0.0267791830 4.705118e-02
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## 177	0.0514191250	-3.681334e-02	0.0285459911	0.0476063736	3.141084e-02
## 178	-0.0105641917	4.180565e-02	-0.0239074437	-0.0398599097	-1.739704e-02
## 179	-0.0704639843	2.654106e-02	-0.0063941661	-0.0009207458	-6.690377e-02
## 180	-0.0175683479	3.898619e-02	-0.0474394172	0.0041054803	-6.241058e-02
## 181	-0.0400677835	2.038403e-02	-0.0424601822	-0.0383392409	-6.515802e-02
## 182	0.0016304271	-8.043672e-02	0.0620096713	0.0160364161	-3.155521e-02
## 183	0.0254207398	6.862110e-02	-0.0400973999	-0.1400785928	3.414699e-02
## 184	-0.0129134232	1.739135e-03	-0.0213200969	0.0055499336	-1.905397e-03
## 185	-0.0471654283	-2.783211e-02	0.0314610769	0.0267777745	-7.421764e-03
## 186	0.0384248237	4.235340e-02	-0.0281527729	0.0216548498	-1.607544e-02
## 187	-0.0139412681	2.858671e-02	0.0107941515	-0.0372917192	2.532265e-02
## 188	0.0545557923	5.055344e-02	0.0360043512	0.0505987413	3.252106e-02
## 189	0.0019607936	2.005328e-02	-0.0062174695	-0.0234552664	1.117035e-02
## 190	0.0078044260	-9.764606e-03	-0.1489202214	-0.0515810487	-3.269477e-05
## 191	0.0260690690	-9.125874e-02	0.0006941994	0.0158878530	-6.295697e-02
## 192	0.0126306918	-1.430294e-02	-0.0664752959	0.0177742439	7.530397e-03
## 193	-0.0168886158	-5.065302e-02	0.0098910025	0.0360954616	3.850975e-02
## 194	0.0066696005	-4.979539e-02	-0.0522666041	0.1055471089	6.937251e-03
## 195	-0.0616476540	2.206291e-02	0.1147382247	0.0140408711	1.713701e-02
## 196	-0.0379657290	1.367205e-04	-0.0420677652	-0.0559546751	1.256168e-03
## 197	-0.0134050271	4.820365e-02	0.0392499217	0.0634561323	-3.880232e-02
## 198	0.0400336875	-5.813385e-02	0.0243195611	-0.0513751215	2.160137e-02
## 199	-0.1138009375	5.306563e-02	0.0423145680	-0.0158521130	9.549301e-02
##	V61	V62	V63	V64	V65
## 1	0.0268411502	0.0250576232	-0.0117782863	0.0589794253	0.0094245859
## 2	0.0077156691	0.0396263498	0.0244326121	0.0147330146	0.0044074301
## 3	0.0588301525	0.0335992362	0.0531720048	0.0622814423	0.0408882069
## 4	0.0167002339	0.0400258764	-0.0052206488	-0.0146832178	0.0399022799
## 5	-0.0184043728	0.0204788162	0.0180068208	0.0316576560	-0.0153798645
## 6	0.0525575318	-0.0461190010	-0.0216847288	0.0317174567	0.0249868482
## 7	-0.0473481317	-0.0400671631	-0.0125741201	-0.0048680121	-0.0405414639
## 8	-0.0344500849	-0.0388059851	0.0477796639	0.0557528228	0.0332939839
## 9	-0.0387816490	0.0207278033	0.0244379392	-0.0539205128	-0.0279077022
## 10	0.0449229145	0.0313956921	-0.0153152583	0.0867317594	0.0148019311
## 11	0.0612995633	0.1158021133	-0.0970745331	0.0320805346	-0.0132170641
## 12	0.0342388998	-0.0084464084	0.0317554248	-0.0735757386	-0.1144068310
## 13	0.0110530706	0.0131706983	-0.0103198888	0.0189980683	0.0340407808
## 14	0.0265099272	0.1532302621	-0.0198465425	0.0215039098	0.0570239981
## 15	-0.0995441179	-0.0291400766	0.0262108712	-0.0692222770	-0.0392310216
## 16	0.0350066484	0.0861280858	-0.0464318277	0.0426245535	-0.0769277832
## 17	0.0693237562	-0.0241660024	-0.0128658183	0.0611626210	-0.0439336454
## 18	0.0782258643	0.0452783005	-0.0182883342	-0.0483855411	0.0152625438
## 19	-0.0298871361	-0.0429034910	-0.0176458334	-0.0557360239	-0.0777544893
## 20	0.0348043972	0.0196080767	-0.0017918204	-0.0220221660	0.0306742707
## 21	0.0387799332	0.0081132229	0.0003217091	0.0154496087	0.0276354121
## 22	-0.0619440476	-0.0411950478	-0.0742526472	0.0369018241	0.0464201620
## 23	0.0336532695	0.0347660287	0.0068460899	-0.0049541826	0.0047211568
## 24	-0.0798248709	-0.0478895727	-0.0137706906	-0.0002878319	0.0324811972
## 25	0.0020035386	-0.0524624462	0.0371160755	0.0347217937	0.0703449077
## 26	-0.0529619008	-0.0602741933	0.0132144290	-0.0340363630	-0.0128220127
## 27	-0.0225932879	-0.0350178117	0.0085864247	-0.0199776797	-0.0040867927
## 28	0.0212513250	0.0400158261	-0.0112308727	0.0236073485	-0.1226422629
## 29	0.0147843491	-0.0310725277	-0.0103905198	-0.0331247780	0.0031010150
## 30	-0.0112927359	0.0577492137	-0.0196217892	-0.0471204415	0.0128112606

## 31	0.0480812689	0.0092752244	0.0344713022	0.0562664844	0.0288977849
## 32	-0.0226361624	-0.0932349273	-0.0233067270	0.0163692808	-0.0132039364
## 33	0.0103612444	-0.0057715690	0.0179646346	0.0256979770	0.0706558236
## 34	-0.0818320132	0.0073434570	-0.0536774294	-0.0483437588	0.0553318114
## 35	0.0200996685	-0.0769340190	0.0307967394	0.0265453426	-0.0442384097
## 36	-0.0126857119	-0.0107116103	-0.0410342569	-0.0233809082	-0.0370299428
## 37	-0.0523548161	-0.0727879808	0.0931002098	-0.0701478814	-0.0193743011
## 38	0.0056943675	0.0192416265	-0.0440212712	0.0313881967	0.0784757955
## 39	0.1011850295	0.0565791883	-0.1107521357	0.0658654405	0.0304675688
## 40	0.0535237216	0.0271725809	0.0003958435	0.1011237790	-0.0603439039
## 41	0.0692438640	-0.0899255996	0.0025243617	-0.0714705296	-0.0541028243
## 42	-0.0030702330	-0.0536203306	0.0158311374	-0.0363188274	0.0255812826
## 43	-0.0560290846	0.0369825764	-0.0056327986	0.0142343662	0.0125464339
## 44	-0.0577468340	0.0071157987	0.0155077341	0.0144913853	-0.0013504933
## 45	0.0289390120	0.0201800864	0.0039894565	0.0088349706	-0.0285305682
## 46	0.0101218412	-0.0158523053	0.0432035057	-0.0111262313	-0.0448774180
## 47	0.0381876827	0.0392708536	-0.0328825364	-0.0316178865	-0.0568131091
## 48	-0.0289205242	0.0395493554	0.0096790519	0.0021666874	0.0571173108
## 49	0.0910215740	0.0059127128	0.0163713091	0.0110211088	-0.0107275867
## 50	0.0337295488	-0.0436649081	0.0577510446	0.0388463349	-0.0161804129
## 51	-0.0189376321	0.0201074869	-0.0267235193	-0.0364452389	-0.0882468278
## 52	0.0721042136	-0.0262870856	0.0064120311	-0.0121813208	-0.0074999964
## 53	0.0525053840	0.0358335182	-0.0950557501	0.0282161106	0.0427644775
## 54	0.0126192645	-0.0043785449	-0.0131577107	-0.0069121107	0.0395503769
## 55	-0.0436011358	0.0172914590	0.0262059414	-0.0070406985	-0.0081500992
## 56	-0.0084556481	-0.0906621921	0.0237565253	-0.0715181342	-0.0327104978
## 57	0.0005537269	0.0448962217	-0.0874819315	0.0437374781	-0.0410876209
## 58	0.0121122042	0.0554757653	-0.0248998855	-0.0568604648	-0.0087102301
## 59	-0.0231523501	-0.0793615781	-0.0623458545	-0.0214450595	-0.0263517233
## 60	-0.0116993988	0.0253135204	0.0753088513	-0.0081017545	0.0009973193
## 61	-0.0580852525	0.0416699457	0.1004111619	0.0873312732	0.0707359164
## 62	-0.0346047513	-0.0424682491	0.0120080424	-0.0273290092	-0.0176177336
## 63	0.0542733905	-0.0210766046	0.0379679700	-0.0016353973	0.0101717634
## 64	-0.0108590107	0.0221393971	0.0446591042	0.0144543160	0.0350596157
## 65	-0.0217277716	-0.0071324506	-0.0091535263	0.0199802688	0.0275014955
## 66	0.0192331672	0.0308772662	0.0004754680	-0.0365707747	-0.0517513197
## 67	0.0333189805	0.0626540432	0.0016142152	-0.0591648856	0.0220433818
## 68	0.0557957418	-0.0831127630	-0.0550067021	-0.0811292949	0.0691127291
## 69	0.0547622940	-0.0234609958	0.0320975220	-0.0037089452	0.0411697493
## 70	0.0119699013	0.0032122286	-0.0621085148	0.0101288357	-0.0183085249
## 71	0.0010887099	0.0680850180	0.0252328126	-0.0059693657	0.0369791672
## 72	0.0973988633	0.0233124928	0.0242687357	-0.0332910571	0.0515373729
## 73	-0.0332624982	0.0304987732	-0.0111528408	0.0753262611	0.0005785392
## 74	-0.0591641819	-0.0052114021	-0.0415650822	-0.0010522685	0.0215795112
## 75	-0.0413746175	0.0580147184	0.0098100575	0.0823786585	-0.0038944239
## 76	0.0293173868	-0.0064680295	-0.0265937673	-0.0273616063	-0.0468882105
## 77	0.0343438244	0.0220714330	-0.0527247281	-0.0145975572	0.0406840245
## 78	0.0150943728	0.0921977057	-0.0308753225	0.0258789224	0.0685073912
## 79	0.0644872938	0.0777601156	-0.0317623385	-0.0640262974	-0.0340394323
## 80	-0.0035832307	-0.0718163868	-0.0291022310	-0.0044181899	0.0611169321
## 81	-0.0009155825	-0.0143443587	0.0228810820	-0.0040459453	0.0438655817
## 82	-0.0034398275	0.0565266846	-0.0073157626	-0.0855304089	-0.0142865966
## 83	0.0180276778	0.0939780762	0.0677583617	0.0057976161	0.0125276934
## 84	-0.0175629867	-0.0464863424	0.0315247080	-0.0113131360	-0.0606794124

## 85	-0.0369216500	0.0062731592	-0.0050335908	-0.0372064300	0.0226802764
## 86	0.0661297259	0.0274010502	-0.0652059699	0.0352139487	0.0496423663
## 87	0.0827839374	0.0320731915	-0.0199800624	0.0394923601	0.0411836113
## 88	-0.0005130834	0.0337046732	0.0045087660	0.0222145820	-0.0139968062
## 89	0.0450377187	-0.0480926962	0.0853520000	-0.0287280034	0.0209732748
## 90	-0.0058210402	0.0417273242	-0.0928866136	-0.0390387014	0.0372684308
## 91	0.0606110972	-0.0861645446	0.0753434411	0.0472861926	-0.0218808812
## 92	0.0004093976	-0.0003624554	-0.0031980229	0.0274811565	-0.0280446285
## 93	0.0431981488	0.0900838314	0.0814424912	0.0082301066	0.0197903582
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## 95	-0.0320784717	-0.0109067825	-0.0342745640	0.0236114177	-0.0278361027
## 96	0.0438564865	-0.0147643052	-0.0601943380	0.0030328281	0.0079873844
## 97	-0.0291437521	0.0110838107	-0.0119701753	0.0184627867	-0.0125044227
## 98	-0.0329694689	0.0074031100	-0.0511015672	-0.0502598450	-0.0207109814
## 99	-0.0012613063	-0.0115951410	0.0030117368	0.0273301212	-0.0745287672
## 100	0.0201988757	0.0409154442	0.0085584946	0.0512961541	0.0901210488
## 101	0.0532461588	0.1410576613	0.0127598901	0.0066046040	0.0227343164
## 102	-0.0005613242	0.0178451691	-0.0906791960	-0.0359021886	-0.0194219693
## 103	-0.0027983474	0.0118281101	-0.0325043258	0.0312083681	0.0696383750
## 104	0.0001216697	-0.0654614223	0.0075988211	-0.0291574741	0.0784239830
## 105	-0.0341395324	-0.0146158539	-0.0097147796	0.0257461740	0.0007345562
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## 116	-0.0163623141	-0.0499117091	0.0312219121	0.0140716042	0.0836011442
## 117	0.0945660141	0.0911017016	0.0762947866	-0.0262079713	0.0175551034
## 118	0.0058392685	-0.0104962636	0.0030108805	0.0513998535	-0.0089167129
## 119	0.0013072218	0.0494606739	-0.0280756664	0.0206190127	0.0771348212
## 120	-0.0595713036	0.0143349733	-0.0267615025	-0.0118567835	0.0119866467
## 121	-0.0382459110	0.0577772356	-0.0072089570	-0.0175963854	0.0923139386
## 122	-0.0069124324	-0.0787683481	0.0242373127	-0.0466381076	-0.0520623549
## 123	0.0226958215	0.0056255834	0.0676795382	-0.0059784536	0.0245960930
## 124	-0.0530685547	-0.0088454778	0.0488318193	0.0072105244	-0.0863321813
## 125	-0.0318781021	-0.0441769096	-0.0244409654	0.0494175502	0.0249951396
## 126	0.0376326918	0.0144336443	0.0079699166	-0.0275213596	0.0040483200
## 127	0.0138985138	0.0228819151	-0.0484064313	-0.0045914375	-0.0053455560
## 128	-0.0452012379	-0.0315505169	-0.0790069695	0.0479942348	0.0226462041
## 129	0.0783147194	0.0375587692	0.0028728428	0.0594782722	-0.0397676694
## 130	-0.0835374928	-0.0406011255	-0.0648439064	-0.0439894460	0.0598661735
## 131	-0.0146837456	-0.0356260321	0.0509206913	-0.0135359186	-0.0512273393
## 132	0.0163207253	0.0645652343	0.0139813352	-0.0124786591	-0.0285064634
## 133	-0.0515116853	-0.0138351298	-0.0379734066	0.0255110643	0.0554713316
## 134	-0.0549715988	-0.0708913348	-0.0440208037	0.0061093909	0.0199471798
## 135	0.0275666617	0.0129132666	0.0386061556	-0.0291739453	-0.0123164983
## 136	-0.0034875844	0.0125532344	0.0591261928	-0.0272548689	-0.0536723773
## 137	0.0209036107	-0.0002315674	0.0365286234	-0.0064669135	0.0184925471
## 138	0.0430137720	-0.0410317286	-0.0376500723	-0.0199382891	0.1092965424

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## 139 0.0310929348 -0.0701992391 0.0372649631 -0.0431507587 -0.0954945928
## 140 -0.0174982893 -0.0804196030 0.0175093072 -0.0512953588 0.0112507804
## 141 -0.0158830870 0.0193156895 0.0425584729 -0.0106067743 0.0053652233
## 142 -0.0225940154 0.0191546547 0.0385380936 -0.0210818930 -0.0565111930
## 143 0.0630604803 0.0500104261 0.0013146315 0.0259075567 -0.0148156101
## 144 -0.0105211649 -0.0214892778 -0.0011407862 -0.0073427698 0.0072351639
## 145 0.0330144273 0.0226683682 0.1120210791 -0.0689378768 -0.0550345773
## 146 -0.0180277305 -0.0099335114 0.0044557057 -0.0015945206 -0.0376861172
## 147 0.0068735882 0.0436822873 0.0874861011 0.0687397392 0.0372471865
## 148 -0.0289377321 0.0247687081 -0.0425043969 -0.0273655078 -0.0093956555
## 149 -0.0441893238 0.0357767194 -0.0295091211 -0.0116010996 -0.0068857304
## 150 -0.0113875549 0.0726149376 0.0631269215 -0.0266720587 -0.0829441831
## 151 -0.0634826343 -0.0916927264 0.0170223810 -0.0968913223 -0.0138123823
## 152 0.0142633051 0.0318299326 -0.0106083412 0.0501557964 -0.0189699192
## 153 0.0669041732 0.0174342162 -0.0397650177 0.0324179633 0.0422718944
## 154 0.0145043914 -0.0526788893 -0.0130635838 -0.0103394124 0.0406191042
## 155 0.0648539695 0.0317556575 -0.0268882491 -0.0343531717 0.0026414068
## 156 -0.0042801830 -0.0836975407 0.0770684762 0.0121007376 0.0704820684
## 157 0.0549167547 -0.0988524236 0.0180909378 0.0672006193 -0.0163248037
## 158 0.0422670114 0.0069995280 0.0110130153 0.0356573313 0.0211882475
## 159 0.0816967624 -0.0085300810 0.0147259513 0.0140564611 0.0136933993
## 160 0.0255768722 0.0433514408 -0.0283409961 -0.1177120768 0.0960597310
## 161 0.0274289357 -0.0542403666 -0.0426040231 0.0023286714 0.0236726322
## 162 -0.0048241500 0.0465017443 0.0085305288 0.0195574805 0.0288697029
## 163 -0.0015105054 0.0079456401 -0.0596270714 -0.0408092225 0.0119883012
## 164 0.0689407361 0.0404438851 -0.0057607322 -0.0307491114 0.0402640017
## 165 0.0852021615 -0.0096821224 0.0776630179 0.0159179618 -0.0460540526
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## 167 0.0846905568 0.0402072274 -0.0156797034 0.0204989392 0.0127259287
## 168 0.0220508143 -0.0060758027 -0.0932559904 0.0168188741 0.0330900988
## 169 0.0956043469 0.0209449517 -0.0425821909 -0.0017822298 -0.0699754460
## 170 -0.0398690905 0.0087850839 -0.0140573514 -0.0872303833 -0.0459514101
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## 172 0.0679877680 0.0039924306 0.0719776930 -0.0156470680 0.0514488115
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## 175 0.0376098708 -0.0791490073 -0.0248862739 0.0502966372 -0.0551496965
## 176 0.0050965060 -0.0368782540 0.0285517909 0.0373511483 0.0047906014
## 177 0.0565729236 0.0350801909 -0.0353260900 -0.0138271952 0.0103057727
## 178 -0.0406013648 -0.0012272072 0.0848361497 -0.0316597877 -0.0441520478
## 179 -0.0660799713 -0.0753891864 0.0025455578 0.0283362886 -0.0182718291
## 180 0.0287466175 0.0452246090 -0.0217053314 -0.0237451860 0.0351870076
## 181 -0.0283762997 0.0502303155 0.0247586749 0.0914707993 0.0246065299
## 182 0.0068037000 0.0701766568 -0.0303304143 -0.0278559131 0.0237887673
## 183 -0.0716401183 -0.0045652333 0.0086578492 0.0187175320 -0.0303556203
## 184 0.0445027576 -0.0311042582 -0.0149477595 -0.0340762461 -0.0139897599
## 185 -0.0402372504 0.0163158670 -0.0997586780 0.0682622284 0.0330527006
## 186 0.0543922130 -0.0113980086 -0.0030947136 -0.0126298921 0.0309214122
## 187 0.0035793609 0.0195366318 -0.0569766759 0.0132998390 -0.0507458023
## 188 -0.0463528029 -0.0255335415 -0.0256512189 -0.0044928490 -0.0438646523
## 189 0.0408327707 0.0028451077 -0.0045063848 0.0962055305 -0.0595211672
## 190 -0.0036050963 -0.0125998560 -0.0491138868 0.0004967405 0.0681390168
## 191 0.0101840303 0.0528325310 -0.0597903583 0.0417000714 -0.0302286084
## 192 0.0726257215 -0.0211658110 0.0041976394 -0.0417177877 0.0555238581

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## 193	0.0919116857	0.0720171499	-0.0338785449	-0.0382691575	0.0907626745
## 194	-0.0558659525	0.0419099693	-0.0478410578	-0.0291479298	0.0676807152
## 195	0.0458479763	0.0552442266	-0.0427649150	-0.0176817527	0.0416880103
## 196	0.0679918599	0.0289414349	0.0301565767	0.0218894740	-0.0040662927
## 197	0.0044332861	-0.0556393786	0.1034387048	-0.0309062935	0.0018351089
## 198	-0.0509669927	-0.0060006890	0.0311345217	0.0169028006	0.0190850650
## 199	-0.0370161023	0.1332639750	0.0425648888	-0.0219253783	0.0335748286
##	V66	V67	V68	V69	V70
## 1	-0.0205017606	5.671247e-02	-0.0034692029	0.0018318493	-6.988473e-02
## 2	0.0142364029	4.717792e-02	-0.0354840765	-0.0376056071	-6.820136e-02
## 3	-0.0036908732	8.435201e-02	-0.0606737858	0.0248750086	2.235462e-02
## 4	-0.0293702251	-3.698773e-03	0.0580264459	0.0512832700	2.814355e-02
## 5	0.0068381470	4.696499e-02	0.0300912056	0.0111120775	5.437040e-02
## 6	0.0207113133	1.604781e-03	-0.0692452714	0.0456748438	-7.408139e-02
## 7	-0.0464171408	3.209770e-03	0.0219731431	0.0702430792	-4.738063e-02
## 8	-0.0084459013	-8.592019e-03	0.0547804289	0.0842764188	6.900917e-02
## 9	-0.0250518380	-5.523544e-02	0.0376260749	-0.0495028812	3.276989e-02
## 10	0.0495847428	-6.552162e-02	-0.0034793654	-0.0406261912	2.706672e-02
## 11	-0.0006202861	-6.258139e-02	-0.0530009459	-0.0633522302	-9.600416e-03
## 12	0.0072228205	-8.915143e-03	0.0401558711	0.0017465804	4.270292e-02
## 13	0.0085915048	-6.030491e-02	-0.0378927359	-0.0157708118	-5.213903e-02
## 14	-0.0183017132	1.815438e-05	-0.0490375485	-0.0042179849	2.607466e-03
## 15	-0.0138388915	-7.947016e-03	0.0445925284	-0.0280805011	4.966876e-02
## 16	0.0826816043	3.475203e-03	0.0402007913	-0.0106550714	1.193297e-01
## 17	-0.0555142888	-2.582234e-03	-0.0365627490	-0.0578235946	3.861679e-03
## 18	0.0606536676	9.583609e-02	0.0311690966	-0.0263465893	7.679531e-04
## 19	-0.0516715721	6.460386e-02	-0.0053160882	0.0299076764	1.760511e-02
## 20	0.0198012109	1.367695e-02	0.0184579591	0.0493631017	3.519135e-02
## 21	-0.0566878829	-3.604157e-02	-0.0063281920	0.0237780210	6.688903e-02
## 22	0.0215986347	3.461306e-02	0.0602765464	0.0011924556	9.207054e-02
## 23	-0.0003503777	-1.204598e-02	0.0679451730	-0.0714955026	-6.975075e-03
## 24	0.0115238712	-6.661430e-02	0.0167660477	-0.0321181484	-4.665497e-02
## 25	0.0201528340	5.133710e-03	-0.0313437355	-0.0675717333	1.641765e-02
## 26	0.0349126946	3.017319e-02	0.0162719248	0.0980405567	-4.752363e-03
## 27	0.0069726307	5.179132e-03	0.0078847152	-0.0225939271	-7.595511e-06
## 28	-0.0422131038	-3.956208e-03	0.0002934517	-0.0403638881	-5.548694e-02
## 29	-0.0186650707	-9.848824e-02	0.0264048617	-0.0299421408	1.785965e-02
## 30	-0.0322318044	3.329994e-02	-0.0328018170	-0.0705302199	-1.076525e-01
## 31	0.0820438793	-6.498304e-02	-0.0796965127	-0.0108521498	-2.859894e-02
## 32	0.0010210154	-8.453152e-02	0.0116282190	-0.0495922406	1.611716e-02
## 33	0.0072771513	-1.411031e-02	-0.0712786093	-0.0069596919	5.620785e-02
## 34	0.0024683018	-3.535214e-04	-0.0616766513	-0.0574271017	-3.561982e-02
## 35	0.0623341367	8.856745e-03	0.0366475772	0.0022974857	5.242386e-02
## 36	0.0226858125	1.211932e-02	0.0113224485	0.0289637492	-3.220188e-03
## 37	0.0052052415	2.985457e-02	-0.0743850254	0.0281228959	1.638251e-02
## 38	0.0192793957	-2.457981e-02	-0.0532522397	0.0059713963	-5.009307e-02
## 39	-0.0651855355	1.747623e-02	-0.0113385630	-0.0225803520	5.052086e-03
## 40	0.0141718456	-2.060370e-02	0.0638291409	-0.0945018433	-2.380973e-02
## 41	0.0508878036	7.138034e-02	-0.0066711960	-0.0243565952	-2.043984e-02
## 42	-0.0222834287	1.385983e-02	-0.0198596588	-0.0352837507	3.694198e-02
## 43	0.0138295301	-2.156743e-02	-0.0541485403	0.0224294424	-1.892896e-02
## 44	0.0179690815	-5.693995e-02	-0.0203142112	0.0495921503	-4.401506e-02
## 45	0.0095712738	-3.373301e-02	0.0108020751	-0.0149308313	8.991318e-02
## 46	0.0492405424	2.985794e-02	0.0496321767	0.0200556545	1.564649e-02

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## 47 -0.1096163129 1.089189e-02 -0.0921242438 0.0593369296 3.916147e-02
## 48 0.0622511042 1.802372e-02 -0.0075274156 0.0250757178 -9.742512e-02
## 49 -0.0187915441 -5.648290e-02 0.0530104855 -0.0252949463 -3.187476e-02
## 50 0.0364056277 3.017307e-03 -0.0146810061 0.0434005354 -3.073078e-02
## 51 0.0469511405 -4.279588e-02 0.0309812825 -0.0537634887 5.152740e-02
## 52 -0.0634849994 5.094394e-02 -0.0237567686 0.0059624596 7.914121e-02
## 53 -0.0424758425 2.746856e-02 0.0174475611 -0.0423456657 5.609827e-02
## 54 -0.0387760896 -1.434802e-03 0.0236244030 0.0525711122 1.874136e-04
## 55 0.0392251521 -7.726538e-02 0.0085230348 0.0223816313 2.813541e-03
## 56 0.0018204732 4.492277e-02 -0.0708426637 0.0312788858 2.244492e-02
## 57 0.0061166248 1.889679e-02 -0.0546635137 0.0137641572 -4.411257e-02
## 58 0.0265475876 1.747666e-02 0.0190419024 0.0313240361 -2.454271e-02
## 59 -0.0808935475 1.906196e-02 0.0523271992 -0.0807428777 7.871968e-02
## 60 0.0597193618 -4.848801e-02 0.0233901975 0.0561584799 -8.644735e-03
## 61 -0.0076021467 3.237977e-02 -0.0654357392 -0.0227386546 -9.390719e-02
## 62 -0.0106152318 -5.817328e-02 0.0071737828 -0.0145067490 3.921364e-03
## 63 0.0332831447 6.078631e-02 -0.0919643796 -0.0088422586 1.552583e-02
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## 65 0.0512126785 2.779587e-02 0.0261560128 -0.0031410237 -1.704788e-02
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## 84 -0.0779480438 4.542469e-02 -0.0069177960 0.0046784405 -1.905456e-02
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## 86 0.0649555828 -3.706929e-02 -0.0032434833 0.0016918137 -1.295657e-02
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## 88 0.0642649728 1.292608e-02 0.0169049136 0.0641279380 4.684518e-02
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## 90 -0.0239572258 -2.909976e-02 -0.0548208065 -0.0097962098 -5.848668e-02
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## 92 -0.0307491992 -2.624162e-02 -0.0673642790 -0.0110443183 2.820005e-02
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## 94 0.1587562452 -1.962927e-02 0.0129945690 0.0185615330 -2.447228e-03
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## 97 -0.0369367354 -2.360727e-02 0.0208725790 -0.0555252241 -3.932054e-02
## 98 0.0445283746 -5.114612e-03 0.0363026824 -0.0946946111 1.678376e-02
## 99 0.0112768790 -4.793450e-02 0.0657124148 0.0570682453 2.905671e-02
## 100 -0.0995947225 9.779353e-03 -0.0404111638 -0.0406602847 5.833324e-02

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## 101 0.0724953268 -7.844612e-03 0.0145724691 0.0238470015 -7.637805e-02
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## 118 -0.0185295814 -3.621036e-02 0.0663100436 0.0271963184 7.281493e-02
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## 124 0.0823994558 5.572424e-02 -0.0117555101 -0.0386460219 -1.947827e-02
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## 126 -0.0491632331 -4.859940e-02 -0.0350064559 -0.0023732409 2.015488e-02
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## 2 0.0010550725 0.0396002909 -0.0515687195 -0.0631794097 0.0057336757
## 3 -0.0133826069 0.0490247748 -0.0188342339 -0.0111782509 0.0617519008
## 4 -0.0541273092 -0.0122263921 -0.0065597604 -0.0547164351 -0.0308585447
## 5 -0.0361031547 -0.0688828089 0.0002471782 -0.0250227716 -0.0222494103
## 6 0.0240890341 -0.0332821254 0.0076679137 -0.0516685671 0.0593959508
## 7 -0.0375611869 0.0464135891 -0.0085474438 -0.0801494516 0.0006986475
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## 15	-0.0190020112	-0.0259059952	0.0453862490	0.0175706894	0.0309383244
## 16	-0.0137322668	0.0364412980	-0.0527413451	0.0546687379	-0.0168024007
## 17	0.0024986327	-0.0364977581	-0.0352553707	0.0373290637	0.0222565281
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## 25	-0.0445400030	0.0295744534	-0.0094821749	-0.0173753197	0.0034056001
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## 28	-0.0327921393	-0.0206298678	0.0212356513	-0.0144324257	-0.0235963575
## 29	0.0919045424	0.0015965440	-0.0497722364	-0.0495417096	-0.0816449733
## 30	0.0482805973	0.0130572042	0.0587763554	0.0182073094	0.0375105374
## 31	0.0372056151	-0.0333427208	-0.0172633461	0.0027752863	0.0298025669
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## 33	0.0489570576	0.0459444974	-0.0196230782	0.0933810315	-0.0380878851
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## 38	-0.0518001395	-0.0220690618	0.0249062996	0.0125005488	-0.0096773494
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## 42	-0.0066776629	0.0554386168	-0.0361449809	0.0708656776	0.0589302977
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## 44	0.0014892777	-0.0022623694	-0.0087438677	0.0618460101	0.1282783465
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## 46	0.0416403452	0.0653254753	0.0496020835	-0.0656098390	0.0229327366
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## 53	-0.0506630266	0.0212044171	-0.0716188106	-0.0614542794	-0.0654930635
## 54	0.0163425859	-0.0286190049	-0.0013980372	-0.0300707403	-0.0555178170
## 55	-0.0338889665	-0.0218837061	0.0303471231	0.0602941399	0.0091821130
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## 59	0.0048483487	-0.0381276470	-0.0544659910	0.0763670743	-0.0414534693
## 60	-0.0064299482	0.0145508117	0.0149136448	-0.0460415181	-0.0224884342
## 61	-0.0506025983	-0.0845443569	0.0744763545	-0.0035336038	-0.0158438582
## 62	0.0126919084	-0.0525373557	-0.0449558817	0.0444445927	-0.0026632816

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## 65	0.0328378388	-0.0034366201	0.0687205031	0.1257695595	0.0678500731
## 66	0.0131011075	-0.0502033273	-0.0098287713	0.0206678380	-0.0019386193
## 67	0.0590105696	-0.1108559924	-0.0735940185	-0.0471143882	0.0113043684
## 68	0.0448443578	0.0100059963	-0.0086224032	0.0554951031	0.0057766645
## 69	-0.0844333447	-0.0449162429	0.0266388141	0.0414327300	0.0220707300
## 70	0.0662583053	0.0981568206	0.0180795796	-0.0579001296	-0.0392214142
## 71	0.0274285677	-0.0117671153	0.0353699100	-0.0324226141	0.0726838899
## 72	-0.0367689981	0.0031916762	0.0649799129	0.0628815181	0.0920260712
## 73	-0.0946719773	0.0256744397	0.0554621410	0.0584501414	0.0262877583
## 74	-0.0205826325	0.0181864022	-0.0382703927	-0.0771859060	-0.0074673460
## 75	0.0389712380	-0.0041749304	-0.0009491893	-0.0344230019	0.0286167238
## 76	0.0005345274	-0.1084977205	-0.0929143102	-0.0218814275	0.0051602746
## 77	-0.0454777289	-0.0812319112	0.0252186359	0.0055104190	-0.0441476216
## 78	-0.0828152729	-0.0504799862	-0.0320235566	-0.0500156691	0.0030245536
## 79	-0.0111178871	0.0687819804	0.0233472272	0.0053769218	-0.0293049965
## 80	0.0730085964	0.0058169769	0.0705160759	0.0128601657	-0.0482106086
## 81	0.0451933928	-0.0098006279	0.0614485232	-0.0181626923	-0.0571057307
## 82	-0.0541941296	0.0811943767	0.0763691920	0.0028236995	-0.0311872321
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## 84	0.0414164582	-0.0504519408	-0.0549267765	0.0383417041	-0.0215986473
## 85	0.0088633042	0.0687284152	0.0024214440	0.0320958108	0.0029662768
## 86	0.0277841851	0.0649199839	0.0240839320	0.0874774372	-0.0278174895
## 87	0.0355676631	0.0166915856	0.0570594439	0.0042927135	0.0097445524
## 88	-0.0052462193	-0.0129292471	-0.0414616680	0.0069118316	-0.0204202472
## 89	-0.0019383641	0.0396173633	-0.0049893773	0.0193837630	0.0127862001
## 90	0.0559384249	0.0486753560	-0.0301308090	0.0290988550	-0.0025554549
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## 92	0.0361213638	-0.0764170398	-0.0097969912	0.0506068961	-0.0379729338
## 93	0.0660345457	0.0044657720	0.0210111915	0.0201430234	0.0760245101
## 94	0.0185183017	-0.0484569022	-0.0112118533	-0.0061824442	-0.0096345495
## 95	-0.0048295050	-0.0788528986	-0.0658720283	-0.0285966439	-0.0707919158
## 96	0.0074588868	-0.0327497673	-0.0157735937	-0.0480633495	-0.0259598849
## 97	0.0741605069	0.0219705242	0.0447330817	0.0428995069	0.0515430333
## 98	0.0046783013	-0.0181665022	-0.0461380470	0.0063558049	0.0331047071
## 99	0.0205283805	0.0502057322	0.0303892368	0.0290226759	-0.0190541636
## 100	-0.0047458803	0.0675242249	0.0224429836	0.0120139270	0.0065642098
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## 103	0.0614060879	0.0601833647	0.0356704993	-0.0078706509	0.0635256661
## 104	-0.0422939692	-0.0278586358	-0.0013861171	0.0764705061	-0.0340969562
## 105	-0.0047682248	-0.0327861773	0.0091863633	0.0070077181	0.1343052908
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## 114	0.0830231808	0.0040828668	-0.0643773687	-0.0314037205	-0.0083973447
## 115	-0.0167513699	-0.0446900601	-0.0512601193	0.0430807249	0.0084027345
## 116	0.0793008307	-0.0173225605	-0.0203973671	-0.0464521790	-0.0243319740

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## 117 0.0191721390 0.0289115810 -0.0580205155 0.0157767921 -0.0375560638
## 118 0.0469144801 0.0642088465 -0.0424708543 0.0247535725 -0.0763424413
## 119 -0.0068504716 0.0548318171 -0.0331949841 -0.0157592878 -0.0568802352
## 120 -0.0851383747 0.0516167968 0.0309722768 0.0139939830 -0.0705980108
## 121 -0.0403657705 -0.0105476714 0.0278786514 0.0236381351 0.0211837421
## 122 -0.0307806230 -0.0236380250 0.0376332409 0.1015281246 0.0201911927
## 123 -0.0679686491 0.0609145809 -0.0218699950 0.0353010990 -0.0361224375
## 124 -0.0032230437 0.0398878857 0.0026786181 -0.0570467325 -0.0560370894
## 125 0.0165434959 -0.1184285613 -0.0420917671 0.1187239686 0.0130833827
## 126 -0.0073452471 -0.0273623283 0.0207904919 -0.0115069653 0.0339842767
## 127 -0.0254568379 -0.0351909860 -0.0215092088 -0.0602755580 0.0069382734
## 128 -0.0560356786 0.0759130965 0.0871425734 -0.0286846942 -0.0026139957
## 129 -0.0623562783 -0.0646349843 0.0013932085 0.0229175956 -0.0670941638
## 130 -0.0134669185 0.0505035013 0.0047578484 0.0844084475 0.0547021629
## 131 -0.0458054727 0.0037648847 0.0382427186 -0.0828280449 -0.0725820415
## 132 0.1062766632 0.0173521950 -0.0159954527 -0.0894487561 0.0260471589
## 133 -0.0022896010 0.0015573611 0.0246291853 -0.0476325142 0.0317448497
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## 135 -0.0403108198 -0.0203658231 -0.0190594480 0.0995907661 -0.0356340599
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## 137 0.0440484674 0.0914173639 -0.0045673780 0.0031532201 0.0595444748
## 138 0.0063360822 0.0294752239 0.0386988435 -0.0503684341 0.0664175530
## 139 -0.0257052337 -0.0631885093 0.0386568460 -0.0924310768 0.0343673590
## 140 0.0331311226 -0.0557212693 0.0268393269 -0.0249831088 0.0107842189
## 141 0.0290277243 0.0140596842 -0.0019315077 -0.0384475254 0.0457630648
## 142 -0.0450029740 -0.0179512450 0.0119407085 -0.0517362925 -0.0024981392
## 143 -0.0426445495 0.0001406842 -0.0299462372 0.0375613349 -0.0851511936
## 144 0.0217056057 -0.0288493481 0.0162460000 0.0873633743 -0.0461380205
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## 147 -0.0023426889 -0.0837742113 0.0154788518 -0.0081704199 0.0135824963
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## 153 0.0386351067 -0.0243443978 -0.0366307079 -0.0234058758 0.0036271414
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## 158 -0.0415953272 0.0414386650 -0.0255915528 -0.0078155398 0.0271223750
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## 167 0.0415280832 -0.0752129654 -0.0247021489 0.0022316607 -0.0385910554
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## 171	0.0840319302	-0.0077007751	-0.0270507656	-0.0389180132	-0.0576261629
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## 182	-0.0712545815	0.0252365630	-0.0138341034	0.0423794167	-0.0693278013
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## 186	-0.0021609323	-0.0644841366	-0.0145524438	0.0222925686	-0.0244278027
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## 189	-0.0050703122	0.0535467923	-0.0357606201	0.0846161400	0.0046787762
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## 191	-0.0677986111	-0.0017038661	0.0180856282	-0.0123111451	-0.0440096870
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## 193	0.0325007178	-0.0235535188	0.0183409976	-0.0341413042	0.0398273269
## 194	0.0485879985	-0.0279402306	0.0965749621	-0.0008978839	0.0187905711
## 195	0.0325061259	-0.0143450961	0.0104971741	0.0887342869	-0.0136100807
## 196	-0.0168050753	0.0686308894	0.0067506583	-0.0088252684	0.0233199313
## 197	0.0204681699	0.0163028993	-0.0475791500	-0.0696992044	-0.0986613866
## 198	-0.0057674938	0.1287390219	-0.0091480197	-0.0262856719	-0.0162766656
## 199	0.0370946599	-0.0414075358	0.0264580340	0.0177244880	0.0279410250
##	V76	V77	V78	V79	V80
## 1	0.0057343976	-0.0643569437	0.0378929892	3.540530e-02	0.1314490690
## 2	0.0932287842	0.0140439614	0.0277023810	-1.276698e-01	0.0368243520
## 3	-0.0029439205	0.0468145989	0.0113125458	3.053619e-02	0.0990121278
## 4	-0.0328939297	0.0129950021	-0.0433321539	-4.706953e-02	-0.0376777504
## 5	-0.0054745756	0.0063708782	-0.0253331327	1.809047e-02	-0.0161470375
## 6	-0.0094897445	0.0757685072	-0.0433507674	1.932181e-02	-0.0154911037
## 7	-0.0279969611	0.0057182510	-0.0019078004	3.588025e-02	-0.0168560621
## 8	0.0491394756	0.0283085116	0.0330583344	4.059771e-02	-0.0358493326
## 9	0.0592741076	-0.0432660763	-0.0070345793	-6.195496e-02	-0.0703736686
## 10	0.0249497232	-0.0267092125	-0.1148477847	4.521840e-03	0.0095573466
## 11	0.0177530658	0.0211417070	0.0528152919	3.843800e-02	-0.0234102654
## 12	0.0179304742	0.0089835782	0.0614352693	2.104658e-02	0.0140888806
## 13	-0.0828587069	-0.0467193181	-0.0153322630	8.887785e-02	0.0381159594
## 14	-0.0689125666	-0.0450274070	0.0635586970	-1.577317e-02	-0.0154659622
## 15	0.0971206212	-0.0229412073	0.0524841198	-3.740164e-02	0.0160536609
## 16	0.0058455476	0.0637541920	-0.0211722943	8.158044e-02	-0.0287596523
## 17	-0.0498332681	-0.0306159671	-0.0010313658	-3.454593e-03	0.0095898488
## 18	0.0761136739	-0.0991684052	0.0477743802	-5.004674e-02	-0.0692881933
## 19	0.0025038517	-0.0096933783	0.0096457516	3.635334e-02	-0.0083524110
## 20	-0.0764544567	0.0442736748	-0.0032287707	1.324281e-02	0.1361412358
## 21	0.0651187345	-0.0341427178	-0.0288592337	-7.054106e-02	0.0056742441
## 22	-0.0253627606	0.0372674829	0.0094293388	-1.406004e-03	0.0104558873
## 23	0.0473073357	0.0314074885	-0.0290863965	-1.697702e-02	-0.0326208862
## 24	-0.0619003864	0.0188177166	0.0149950730	2.342511e-02	0.0381777544

## 25	-0.0357227953	-0.0144777902	0.0305864149	6.571804e-02	-0.0068698935
## 26	0.0317546966	0.0729169696	-0.0269185000	-1.132472e-02	0.0570222458
## 27	0.0209924593	0.0479511751	0.0391065207	-3.527004e-02	-0.0690498476
## 28	0.0321033974	-0.0237975144	-0.0350925027	2.503864e-03	0.0663089241
## 29	0.0593663989	-0.0052685116	-0.0606703364	-1.709671e-02	-0.0279859399
## 30	0.0311514109	0.0543894255	-0.0077068239	-9.348043e-03	-0.0176425007
## 31	-0.0141045596	-0.0510970972	-0.0174184965	-7.309917e-03	0.0252590136
## 32	-0.0879600628	-0.0387498296	0.0023646609	-3.547507e-02	-0.0159061402
## 33	0.0342393488	0.0145803455	-0.0250934175	1.889463e-02	0.0623571566
## 34	-0.0250838249	0.0282809664	-0.0256772994	3.498459e-02	0.0822894191
## 35	-0.0888914960	0.0140648572	-0.0276701209	-4.401996e-02	0.0008423798
## 36	0.0574037438	-0.0333600239	-0.0235487602	3.545426e-02	0.0054943762
## 37	0.0087046231	0.0298569140	-0.0922064008	3.112214e-02	-0.1313295920
## 38	-0.0601409564	-0.0613183900	-0.0065129383	-7.403526e-03	-0.0329242191
## 39	0.0139690826	-0.0615725309	0.0204335079	-1.584122e-03	0.0279575400
## 40	0.0403546176	0.0171592603	0.0454822979	1.317692e-02	-0.0429735277
## 41	-0.0677903008	-0.0102775498	0.0464847385	6.520508e-02	0.0183173561
## 42	0.0684913777	0.0401528369	0.0396114342	1.737175e-02	-0.0712640481
## 43	-0.0221217542	0.0194719243	-0.0186549302	5.678183e-02	0.0960739612
## 44	0.0250378085	0.0125716032	0.0089331566	2.317943e-02	-0.0729202704
## 45	-0.0200246037	0.0285191445	-0.1217805328	-5.917954e-02	0.0371160733
## 46	0.0532580891	0.0225200657	-0.0172281837	-1.424347e-02	0.0571865337
## 47	0.0105837184	-0.0794781140	-0.0136877881	1.036872e-02	0.0272939946
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## 50	0.0258184505	-0.0107560477	0.0242921197	6.603512e-03	-0.0024293518
## 51	-0.0002333469	0.0243185053	-0.0844816511	-3.841125e-02	-0.0934288389
## 52	-0.0297938108	0.1336645582	0.0518695282	-1.499562e-02	0.0934693241
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## 54	0.1161126669	-0.0186291176	0.0430452603	-2.721680e-02	0.0176817443
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## 58	0.0673674761	-0.0693102926	0.0350610938	-1.740259e-02	0.0095072885
## 59	-0.0476703666	-0.0569260334	-0.0048900943	1.398964e-02	-0.0595794953
## 60	0.0005034681	-0.0326736645	0.0228674178	3.253080e-02	0.0098359202
## 61	-0.0354495308	-0.0227234113	-0.0328663065	2.104744e-02	-0.0054673929
## 62	0.0296475381	0.0115248464	0.0137887973	-1.020762e-01	-0.0056964495
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## 64	-0.0429982588	0.0662932774	0.0398707979	-4.412206e-02	0.0976707645
## 65	0.0279379459	0.0136123829	-0.0461958473	-6.576568e-02	0.0297274539
## 66	-0.0236203004	0.0168324296	-0.0003070982	-2.073901e-02	0.0659703232
## 67	-0.0134891743	0.0414534992	-0.0002864824	-2.769589e-02	-0.0216703874
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## 73	0.0334184092	0.0798883868	-0.0387120334	7.853985e-03	0.0397955721
## 74	-0.0270166513	-0.0454522052	0.0269903378	-3.062657e-02	-0.0213276010
## 75	-0.0413843847	-0.0147721919	-0.0744953380	4.225372e-02	0.0580837963
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## 77	0.0564318124	0.0094053056	0.0398392058	1.176264e-01	0.1097220220
## 78	-0.0167716581	0.0030220215	0.0235007355	2.930385e-02	0.0389654794

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## 112 0.0249807329 0.0053108092 0.0101535392 -1.939000e-02 0.0003904527
## 113 0.0223743655 0.0291322015 0.0330569278 -2.415145e-02 0.0515904803
## 114 -0.0448479455 -0.0282207067 0.0118556796 7.887102e-02 -0.0544808284
## 115 0.0458979187 0.0650588444 -0.0437105652 3.254089e-02 -0.0218608338
## 116 0.0592074991 -0.0465628791 0.0061547500 4.361638e-02 0.0449381699
## 117 -0.0089274764 0.0408311796 0.0577031965 5.072616e-02 -0.0328286487
## 118 0.0555467044 0.0025333433 0.0019148339 -1.549915e-02 0.0023028685
## 119 0.0830933945 0.0237816962 0.0254673135 2.331118e-02 -0.0737428132
## 120 -0.0796251990 -0.0208283199 -0.0100572549 -1.072569e-02 -0.0415988666
## 121 0.0903460009 0.0495950205 -0.0589729794 -1.531856e-02 0.0420485267
## 122 0.0512028199 -0.0281969745 0.0679075032 4.285490e-02 0.0651274127
## 123 -0.0174185971 0.0564615942 -0.0137114395 2.381124e-02 0.0047252682
## 124 -0.0374889217 -0.0565447069 0.0240842329 1.568552e-02 0.0823777354
## 125 0.0035832743 0.0856498322 -0.0117267467 -6.797270e-02 0.0232299754
## 126 -0.0686259561 -0.0195715965 0.0153173167 2.253501e-02 0.0038441574
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## 128 0.0407404999 -0.0086496279 0.0049666205 3.146397e-02 -0.0396626458
## 129 -0.0238706474 0.0345710345 0.0285780743 2.441427e-04 0.0231265306
## 130 0.0043653419 0.0620494239 -0.0044113399 4.660318e-02 0.0991694640
## 131 -0.0274991533 -0.0526400980 -0.0114294084 4.038169e-02 0.0854826446
## 132 -0.0609249511 0.0060996669 -0.0232133798 -3.138540e-02 -0.0089792022

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## 133 -0.0002828715 -0.1176793784 -0.0762311153 -4.078428e-02 0.0323352521
## 134 0.0122759235 -0.0509956247 -0.0625551044 -4.681117e-02 -0.0527444022
## 135 0.0032428946 -0.0792541904 -0.1215020819 -2.391802e-02 0.0586790411
## 136 -0.0013989707 0.0158665704 -0.0021008284 1.038784e-02 0.0167261959
## 137 0.0095672989 0.0407868164 -0.0614209976 -1.559946e-03 -0.0122414012
## 138 -0.0727178510 -0.0118271540 -0.0895594144 1.406266e-02 0.0425064584
## 139 0.0560397743 0.1096311995 -0.0457084642 -5.099671e-02 -0.0285039990
## 140 -0.0637739072 0.0248669929 -0.0514600959 -4.696434e-02 0.0512401531
## 141 -0.0262615538 0.0130269392 -0.0202319226 2.238486e-02 -0.0314269700
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## 143 0.0774853272 -0.0660542598 -0.0166521694 -3.499520e-02 0.0449832428
## 144 -0.0487936431 0.0282681889 -0.0503561439 -7.210309e-02 -0.0191282752
## 145 0.0111218282 -0.0161800965 -0.0038107056 -4.902380e-02 0.0276660580
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## 147 0.0353917144 0.0170596718 -0.0700983699 -8.983092e-03 0.0919560924
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## 157 0.0082796769 -0.0104192364 -0.0517033125 2.491235e-02 -0.0042610589
## 158 0.0684534540 -0.0455996995 0.0110425184 -3.442585e-02 0.0205546930
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## 179 0.0073679433 0.0029365963 0.0038842600 -8.230399e-03 -0.0105128212
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## 181 -0.0752925935 0.0361552268 -0.0582514565 -4.222498e-02 0.0671747625
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## 185 -0.0048022335 0.0731146904 -0.0592143430 7.688465e-02 0.0035169424
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## 187	0.0548534281	0.0579507416	0.0418941483	8.576679e-02	-0.0242045870
## 188	-0.0755736913	-0.0013098211	-0.0406230727	-4.006450e-04	-0.0071001469
## 189	0.0352407514	0.0451110202	-0.0115465623	-4.880665e-03	-0.0620146367
## 190	-0.0397870734	-0.0004240697	-0.0662164490	2.390763e-02	-0.0112415571
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## 192	0.0636008344	-0.0039565177	0.0039099914	-2.995300e-02	-0.0112029741
## 193	0.0015612730	0.0783709726	0.0715200791	3.546763e-02	0.0047018417
## 194	0.0048155948	-0.0099024945	0.0172785152	-6.663454e-02	0.0134937293
## 195	-0.0154343065	-0.0068883285	-0.0202868035	-6.713215e-03	-0.1093126763
## 196	-0.1069881447	0.0010970532	0.0277910778	8.688503e-03	-0.0014928155
## 197	0.0417174772	0.0506227301	-0.0801947637	1.542867e-02	0.0319666184
## 198	0.0850094991	-0.0077548760	-0.0345136281	-2.335963e-02	-0.0495423466
## 199	0.0038163217	-0.0407215637	0.0720999681	4.587542e-02	-0.0477808873
##	V81	V82	V83	V84	V85
## 1	4.571396e-02	1.462272e-01	-0.0057505369	-0.0557547603	-0.0502506050
## 2	-4.699608e-03	-6.050799e-02	-0.0131025145	-0.0110521676	0.0739755880
## 3	-1.927625e-02	-2.656432e-02	-0.1441302371	-0.0187607068	-0.0862106436
## 4	-9.849203e-03	-9.094843e-03	0.0212328261	-0.0042536309	0.1093235190
## 5	-2.750994e-02	5.320705e-02	0.0260396090	-0.0275546790	-0.0208027793
## 6	1.331024e-02	-5.959587e-02	0.0132603230	0.0532139264	0.0112819674
## 7	4.456289e-02	-5.624539e-02	0.0277659408	0.0367622525	-0.0034443855
## 8	-7.503016e-02	-3.381118e-02	-0.0419584364	0.0540859373	-0.0445356480
## 9	-3.713577e-02	5.378230e-02	-0.0677352800	-0.0048143126	0.1062103432
## 10	-9.075942e-03	3.814557e-02	-0.0113528792	0.0305360335	-0.0402771440
## 11	-1.451024e-02	4.163755e-02	-0.0584766794	0.0090154801	-0.0028652455
## 12	-3.410575e-02	2.443724e-02	-0.0536939455	0.0049028429	-0.0179291184
## 13	3.058884e-02	-8.465070e-02	-0.0043089049	-0.0528852336	0.0337239659
## 14	-1.467963e-01	-3.028199e-02	-0.0031374935	0.0167731489	-0.0194613949
## 15	4.496359e-03	1.261217e-02	0.0634002921	0.0445678933	-0.0857693877
## 16	-4.844549e-02	1.425930e-02	-0.0423381474	-0.0691925017	-0.0227226967
## 17	-6.878557e-02	1.636604e-02	0.0306674353	-0.0399314815	0.0196073535
## 18	2.390421e-03	1.528855e-02	-0.0032861299	0.0522216390	0.0261885985
## 19	-6.237834e-03	-1.920021e-02	0.0494015781	0.0809720396	0.0320767333
## 20	-2.737459e-02	-2.755334e-02	-0.0075019553	-0.0052221896	0.0290706521
## 21	-2.701708e-02	4.742713e-02	-0.0205554144	0.0227621605	0.0379090249
## 22	-3.557436e-02	8.819727e-02	0.0288017403	0.0322552789	-0.0584512831
## 23	-8.039473e-02	3.898761e-03	-0.0163362401	0.0519790979	-0.0271047665
## 24	-3.802856e-02	-4.660672e-02	-0.0092232625	-0.0185068430	-0.0279265041
## 25	-5.628795e-02	9.512164e-03	-0.0331180141	0.0017001521	-0.1043072118
## 26	-6.623542e-02	7.152930e-02	0.0239229237	-0.0082014598	0.0592154326
## 27	7.993684e-02	2.105203e-02	-0.0640531953	-0.0137817428	0.0483295321
## 28	7.539343e-02	-4.361678e-02	0.0347346678	0.0196536083	-0.0896722168
## 29	-8.452444e-02	-5.793977e-02	0.0034138041	0.0058000033	-0.0602570071
## 30	5.958731e-03	7.771417e-02	0.0245044178	-0.0088062672	0.0192173424
## 31	-5.861873e-02	-5.612167e-02	0.0619927268	0.0539284923	-0.0558110812
## 32	3.565003e-02	7.702638e-02	0.0200666045	0.0481332571	0.0220363152
## 33	-5.657096e-03	3.795798e-02	0.0495992059	-0.0430898019	-0.0470815883
## 34	1.555117e-02	-4.431111e-02	-0.0022814508	-0.0313008591	0.0381152163
## 35	6.385582e-02	-7.155650e-03	0.0150833372	-0.0579198002	0.0283323605
## 36	1.444180e-02	4.018917e-02	0.0079871959	0.0022700318	0.0317343259
## 37	2.771057e-02	4.269404e-02	-0.0260603102	0.0182689665	0.0552043338
## 38	3.399274e-02	-1.189884e-02	-0.0159981297	0.0116068201	-0.0608485679
## 39	-1.331120e-02	-2.833813e-02	0.0461063872	-0.0209820739	-0.0550978440
## 40	6.455163e-03	3.381447e-02	0.0041046471	-0.0870200175	-0.0382855766


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## 41 -5.315876e-02 1.433253e-02 -0.0836526533 0.0445070743 -0.0057306925
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## 44 4.562445e-02 -3.554568e-02 -0.0128367877 0.1386777434 0.0346832920
## 45 -3.963217e-02 7.414424e-03 0.0339235423 -0.0083107721 -0.0633716244
## 46 -7.993287e-02 -3.274504e-02 -0.0007936096 0.0069322772 -0.0493453526
## 47 8.849235e-02 -5.711976e-02 -0.0353532975 -0.0180896328 -0.0676357659
## 48 -3.628394e-02 2.226644e-02 0.0329753903 0.0282871649 0.0173371670
## 49 2.814468e-02 -4.206669e-02 0.0891359484 0.0665416067 -0.0002066900
## 50 5.470595e-03 3.031992e-02 -0.0366341231 0.0030922988 -0.0111998142
## 51 -7.838117e-03 -7.802070e-02 -0.0199096485 0.0144530970 -0.0279273300
## 52 -4.374494e-02 -6.363854e-02 0.0233045991 -0.0377004312 -0.0227988022
## 53 4.455141e-02 5.605059e-02 0.0324142532 0.0406640822 -0.0419559439
## 54 5.113944e-02 -4.560841e-02 0.0079680363 -0.0441697315 0.1278580381
## 55 -1.602896e-03 3.536453e-02 0.0642580484 0.0608834984 -0.0372505453
## 56 4.269817e-03 5.348436e-02 -0.0480563877 0.0613971914 -0.0206235910
## 57 6.951488e-02 -4.393255e-03 -0.0139889412 -0.0421908093 0.0202043906
## 58 4.498803e-02 1.071322e-01 0.0024281891 0.0007776477 0.0499397650
## 59 -4.969637e-02 -3.001940e-02 -0.0123267596 0.0074560108 -0.0172475475
## 60 1.400795e-02 2.942243e-02 -0.0459890467 -0.0702499372 -0.0580582653
## 61 1.011622e-02 2.618189e-02 0.0585439500 0.0110964044 0.0032438881
## 62 -6.203483e-02 -1.711765e-02 0.0653364221 0.0201231819 0.0447276122
## 63 2.385924e-02 2.458728e-02 -0.0140870290 -0.0448682691 0.0053847938
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## 66 -1.315847e-02 2.318260e-02 -0.0547301377 -0.0124261615 -0.0779601260
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## 74 -3.047116e-02 -1.292940e-02 0.0224363665 0.0187696503 0.0015407636
## 75 2.017774e-02 -2.289722e-02 0.0474691226 -0.0095885334 0.0299966529
## 76 -2.447556e-02 2.263425e-02 0.0327222032 -0.0042932933 -0.0084738407
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## 79 -2.901066e-02 1.073011e-02 0.0078607056 0.0551667953 0.0198382027
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## 88 1.115608e-02 3.930872e-02 0.0776849390 0.0410867393 0.1153519747
## 89 9.318120e-03 1.382483e-02 -0.0174795661 0.0505813797 0.0442732316
## 90 -4.933509e-02 4.175874e-03 -0.0068266316 0.0685806083 -0.0036945790
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## 94 4.650837e-04 4.474817e-02 0.0920583931 -0.0266803512 -0.0155074429

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## 95 1.334777e-03 6.851466e-03 -0.0221637495 -0.0002865532 -0.0548349708
## 96 -6.104630e-03 4.363271e-02 0.0079950659 -0.0494918594 -0.0245346530
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## 118 9.079712e-02 -6.992903e-02 0.0230642316 0.0093471583 0.0056900386
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## 123 -1.422835e-02 2.945337e-02 0.0301571672 -0.0485637872 -0.0134793516
## 124 4.756991e-02 3.192520e-02 -0.0231285715 0.0616064642 0.0339696358
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## 137 -3.782416e-02 -3.520198e-02 0.0727062858 0.0017959777 0.0631375012
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## 143 1.900079e-02 2.862032e-02 0.0491693167 0.0164393841 -0.0604575232
## 144 -6.025966e-02 2.515015e-02 -0.0236169554 0.0289594188 0.0368612982
## 145 -2.523892e-02 1.657505e-03 -0.0023474718 0.0768766681 -0.0162440253
## 146 1.096105e-02 -5.886044e-02 -0.0075989399 0.0235664174 0.0321681126
## 147 -2.460178e-02 -1.943772e-02 -0.0310925370 0.0029627945 0.0122054942
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## 151	-8.575522e-02	8.842657e-04	-0.0460643271	0.0391686169	-0.0371284657
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## 153	1.418890e-03	4.679157e-02	0.0977904526	0.0505794513	-0.0129200023
## 154	-3.910237e-03	2.329307e-03	-0.0060284547	0.0226964636	-0.0076771850
## 155	2.846286e-02	-5.020273e-04	-0.0142992323	0.0358615294	0.0387857296
## 156	3.837367e-02	-5.772789e-02	0.1038428154	0.0015736973	-0.0088652992
## 157	-1.581758e-03	-5.216451e-02	0.0315899252	-0.0206015597	0.0037244996
## 158	1.158057e-02	7.768941e-02	-0.0340500913	0.0059532763	-0.0343953032
## 159	-7.249073e-02	5.999734e-03	-0.0303372252	-0.0392855704	-0.0387402763
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## 161	5.552826e-02	-6.256207e-02	0.0263799065	-0.0574879081	0.0036442666
## 162	3.075418e-03	-4.835329e-02	0.0013447694	0.0503716914	0.0018626508
## 163	2.106503e-02	-2.280290e-02	-0.0443488295	-0.0031207456	0.0763922106
## 164	-1.470087e-02	-6.453584e-03	0.0675992639	0.1160443906	-0.0590249572
## 165	-1.237793e-02	4.631059e-02	0.0141800086	0.0554953543	0.0645790381
## 166	4.497570e-03	-3.748805e-02	0.0071435392	0.0853706730	-0.0812256892
## 167	6.258896e-02	-5.581449e-02	-0.0091104530	0.0006591684	-0.0291059965
## 168	5.243755e-05	2.575788e-02	-0.0529067977	-0.0049163307	0.0632353761
## 169	-1.526728e-02	4.362322e-02	0.0541644777	-0.0056814164	-0.0575620792
## 170	1.048762e-01	3.150283e-02	0.0459325264	-0.0382592767	0.0174742275
## 171	7.726363e-03	3.171439e-02	-0.0083782712	-0.0411473021	-0.0064851413
## 172	1.715283e-02	3.918748e-03	0.0002723680	-0.0143016937	-0.0145621668
## 173	2.647420e-02	3.849100e-03	0.0536085848	0.0159727277	-0.0189889429
## 174	1.569621e-02	1.566101e-02	-0.0383274121	0.0113853924	0.0460078152
## 175	2.067059e-03	-3.020029e-02	0.0251320664	-0.0321659681	-0.0128223437
## 176	-1.062967e-02	-2.751705e-03	-0.0306429240	-0.0647753813	0.0084359695
## 177	5.743900e-02	-1.032952e-01	0.0283460028	0.0142797010	0.0238666303
## 178	5.994538e-02	-9.154411e-02	0.0401462973	0.0713107739	-0.0083306836
## 179	1.984313e-03	5.029136e-02	-0.0070819691	0.0665329270	0.0464160089
## 180	-4.426157e-02	3.012697e-03	0.0993231418	0.0346546782	-0.0198634012
## 181	-2.766900e-02	-8.612942e-02	0.0672681605	-0.0626883235	-0.0531157265
## 182	-8.880143e-03	3.916428e-02	0.0617867454	-0.0085514998	0.0196506192
## 183	6.653215e-02	-6.345556e-03	-0.0287538477	0.1299413646	0.0516023961
## 184	3.413612e-02	4.504631e-05	0.0277715065	-0.0755050389	0.0916785602
## 185	5.959583e-02	-7.625711e-02	0.0038998913	0.0660239233	0.0623605584
## 186	-5.858892e-02	9.798806e-03	0.0684008302	-0.0160309551	-0.0399941645
## 187	-1.651635e-02	3.861379e-02	-0.1120577218	0.0421365378	0.0181170948
## 188	-3.549521e-03	-1.871595e-02	0.0307734292	0.0562202909	0.0438801523
## 189	7.153728e-03	3.692003e-02	-0.0384096769	0.0172451827	0.0459042977
## 190	4.451955e-02	-8.684423e-02	0.0305007658	-0.0146589976	0.0146253640
## 191	2.302103e-02	-1.142154e-02	0.0183950578	-0.0377393469	0.0499308128
## 192	-2.178122e-02	1.499383e-02	-0.0214911077	0.0722187103	-0.0131818925
## 193	-3.461354e-02	1.278103e-02	-0.0368178002	0.0024576613	-0.0469672491
## 194	1.290373e-02	7.479661e-02	-0.0542320007	-0.0064097296	-0.0338896056
## 195	-4.825420e-02	4.405232e-02	0.0518772715	0.0419380825	-0.0183610253
## 196	1.358849e-02	4.578779e-02	-0.0392821571	-0.0528643998	0.0229386269
## 197	1.738924e-02	-5.165256e-02	-0.0192755827	0.0024646189	0.0542802252
## 198	7.116794e-02	-4.174603e-02	0.0536953879	-0.1059149841	-0.0418435353
## 199	-1.575803e-02	3.380769e-02	-0.0585233495	0.0090138833	0.0356718531
##	V86	V87	V88	V89	V90
## 1	-0.1024767346	6.441975e-02	0.0346468999	0.0716592167	0.0330728920
## 2	0.0807813735	5.634753e-03	-0.0490730026	-0.0191277291	-0.0053401365

## 3	0.0430454796	-6.503480e-02	-0.0014228101	-0.0089774462	0.0493847158
## 4	-0.0247925205	-1.273039e-02	-0.0112479004	0.0153888138	0.0204890809
## 5	-0.0804534737	5.616197e-02	-0.0693895609	0.0571644683	0.0840158589
## 6	-0.0382159250	5.086232e-02	-0.0261502757	0.0502706488	0.0015299478
## 7	0.1652828317	8.297231e-02	-0.0150601504	0.0181134407	-0.0093420181
## 8	0.0051917201	-1.371717e-02	-0.0054258890	-0.0211205896	-0.0191704002
## 9	-0.0229420967	-1.335969e-02	-0.0053564936	-0.0211681325	0.0571836091
## 10	0.0813128461	-5.077665e-02	-0.0135558296	0.0232875366	-0.0095378349
## 11	0.0133601743	6.832072e-02	-0.0157742250	-0.0715310649	-0.0191478498
## 12	-0.0388637189	-7.410377e-02	0.0145629817	0.0027100311	0.0719658789
## 13	-0.0875666387	-9.953561e-03	0.0118118317	0.0493678632	0.0344990997
## 14	-0.0069756256	-1.390202e-02	0.0072983653	0.0203763449	0.0011419177
## 15	-0.0011382763	2.494573e-02	-0.0542882711	0.0131969292	0.0084442694
## 16	-0.0385076773	-4.774070e-02	-0.0179836452	0.0129154407	0.0400460390
## 17	-0.0076077278	2.087492e-02	0.0635553733	0.0055477945	-0.0532865871
## 18	-0.0628338810	1.805757e-02	-0.0495892445	-0.1030217576	0.0128106375
## 19	0.0178976244	-1.003530e-02	-0.0364747459	-0.0023434043	0.0414828909
## 20	0.0128267256	-1.090190e-02	0.0569046367	0.0725307813	-0.0781653591
## 21	0.0183223764	-8.787593e-02	0.0607430448	-0.0353299530	0.0150466805
## 22	-0.1070205433	2.752054e-02	0.0076552162	-0.0493380948	0.0285088444
## 23	-0.0177742626	1.501155e-02	0.0067892396	0.0024988368	0.0319546449
## 24	-0.0858393364	2.069270e-02	-0.0226785855	0.0420051589	0.0567871128
## 25	-0.0755844755	7.172643e-02	0.0110572895	-0.0201249704	-0.0648036727
## 26	0.0834353991	-5.109548e-02	0.0302929392	-0.0112114143	0.0229465609
## 27	0.0373870639	1.049219e-01	0.0622838598	0.0363446499	-0.0445456703
## 28	-0.0259781598	4.499664e-02	0.0607284046	0.1222383773	0.0192700602
## 29	-0.0194811910	-1.281105e-02	-0.0015822869	-0.0225129109	0.0150110541
## 30	0.0649943925	9.180141e-03	0.0402595685	0.0469720738	-0.0356864969
## 31	0.1003375055	-5.393757e-02	-0.0890151458	-0.0092460486	0.1101461082
## 32	-0.0133060202	2.515746e-02	-0.0052868834	0.0715734324	0.0133332622
## 33	0.0173270369	7.442030e-02	-0.0801426273	-0.0297675555	0.0294001176
## 34	-0.0673788699	-2.806513e-02	0.0279500093	-0.0797771783	-0.0091941792
## 35	0.0288881350	-8.935503e-02	0.0185978117	0.0211226142	-0.0809839020
## 36	-0.0242145459	2.335425e-02	0.0444597843	0.0552220265	0.0451120002
## 37	-0.0378868444	6.956077e-02	-0.0084822505	-0.0253010606	0.0072120396
## 38	-0.0038700698	4.749302e-02	-0.0068332519	-0.0039312475	0.0012287969
## 39	0.0250526741	-4.341893e-02	-0.0594652371	0.0139153914	0.0538914608
## 40	-0.0801140671	4.535557e-03	-0.0608619350	-0.0363670659	0.0483959224
## 41	-0.0197715750	4.125411e-02	0.0146406326	-0.1490952510	-0.0407976982
## 42	0.0545987135	-1.774880e-03	0.0390732127	-0.0860207801	0.0366873736
## 43	-0.0424953075	-1.114994e-02	-0.0141276887	-0.0617944092	-0.0697952352
## 44	0.0330631100	-3.629814e-02	-0.0491759295	-0.0201286833	-0.0041296806
## 45	-0.0364886773	-8.084065e-03	0.0293219650	0.0433774550	-0.0013645692
## 46	0.0398728163	6.745817e-02	-0.0610487020	-0.0432832729	0.0356763029
## 47	0.0253774124	4.877472e-04	0.0373437172	0.0213111154	-0.0343387411
## 48	-0.0201514088	-5.007245e-03	0.0240934703	0.0263315564	-0.0556427188
## 49	-0.0507009585	4.115975e-02	0.0441241073	-0.0607093546	0.0110830479
## 50	-0.0279735926	2.612002e-02	-0.0586147407	-0.0304827438	-0.0080326711
## 51	0.0336885470	1.435301e-02	0.0505670446	-0.0082629295	0.0316739793
## 52	0.0365087636	-5.241313e-03	-0.0015528271	0.0871632785	-0.0009643965
## 53	-0.0461979202	-7.903342e-02	-0.0471296939	0.0062311543	0.0957009670
## 54	0.0500445104	-2.963717e-02	-0.0419946850	-0.0554156659	-0.0203153915
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## 57	-0.0062849381	-1.842008e-02	-0.0542781763	0.0984169248	0.0105410809
## 58	0.0079302992	1.707170e-02	-0.0571356470	-0.0272487506	-0.0132215471
## 59	0.1040256331	1.284707e-02	0.0420811023	0.0343914460	-0.0130186209
## 60	0.0653742826	-3.253788e-02	-0.0454581271	0.0003930638	0.0025585373
## 61	-0.0017727279	1.834202e-02	0.0229337781	-0.0607104517	0.0363013389
## 62	0.0214520326	3.782578e-02	0.0796965753	0.0317734518	-0.0141189007
## 63	0.0050765586	5.389354e-03	-0.0115232381	0.0803071823	0.0837037772
## 64	-0.0776975477	-2.742498e-02	0.0404954802	-0.0711479864	-0.0380268138
## 65	0.0556827425	-2.455237e-02	0.0470437010	0.0349834538	-0.0197506568
## 66	-0.0338614965	-1.136727e-02	0.0537470087	0.0085170065	0.0037557626
## 67	0.0877045762	-7.350178e-05	0.0441377413	-0.0340316499	0.0078189094
## 68	0.0068603500	6.690023e-02	0.0715374047	0.0127021715	-0.0303636481
## 69	-0.0082587275	3.891201e-02	0.0136376589	0.0254114353	0.0296711409
## 70	0.0062077420	-5.955433e-02	0.0442216744	0.0185617053	0.0667683675
## 71	0.0587087204	-1.677638e-02	0.0008711543	0.0176495318	0.0696213323
## 72	0.0076588308	-6.473880e-02	-0.0008205518	0.0393160293	-0.0545427691
## 73	-0.0176991826	4.007499e-02	-0.0218956857	-0.0560829348	-0.0066825712
## 74	0.0784331472	3.470377e-02	0.0025432075	0.0078020337	0.0039036340
## 75	-0.0195103985	-6.547035e-02	-0.0032554761	-0.0013103879	-0.0427148188
## 76	-0.0275550328	-8.535801e-02	0.0339924059	0.0235323522	0.0152191435
## 77	0.0182820571	1.030148e-02	0.0432286999	-0.0324741410	-0.0270272424
## 78	0.0062389394	9.235486e-03	0.0319405766	0.0517227594	-0.0139881503
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## 80	0.0147385309	5.242495e-02	0.0112198471	0.0079328848	0.0474815426
## 81	-0.0435623984	4.497072e-02	0.0411191035	0.0058452684	0.0517913870
## 82	-0.0284337287	4.326196e-03	-0.0014723553	-0.0287583721	-0.0136769659
## 83	0.0505568369	-1.106492e-01	-0.0160867021	-0.0389011105	0.0995829772
## 84	0.0228574787	8.120988e-02	0.0034444809	0.0364725669	-0.0474487858
## 85	-0.0354447987	-8.967033e-02	0.0146876573	0.0202452648	0.0030461049
## 86	0.0331339223	4.750473e-03	-0.0805536606	0.0234198838	-0.0284605884
## 87	-0.0973675951	-5.159084e-02	0.0145340461	0.0462929836	0.1108653862
## 88	-0.0061201152	-3.152119e-02	0.0211680855	-0.0046402418	0.0220266940
## 89	0.0279035680	6.892952e-03	0.0219463874	-0.0222213407	-0.0600605050
## 90	-0.0261124058	1.196490e-02	-0.0531279937	0.0047749356	0.0075512458
## 91	-0.0492843314	1.979726e-02	0.0466845325	0.0281605678	-0.0683931032
## 92	0.0500302610	8.574838e-03	0.0194068220	-0.0320153293	0.0085314260
## 93	0.0220299702	-7.205567e-02	0.0268788556	0.0665045963	0.0216799592
## 94	-0.0280072768	-1.114932e-02	0.0322079046	-0.0147566998	0.0317168480
## 95	-0.0212066712	4.292250e-02	-0.0216585991	0.0381070615	0.0758057278
## 96	0.0543075424	-2.272285e-02	0.0265274847	-0.0473981486	0.0196776732
## 97	0.0279257242	3.331590e-02	0.0318098836	-0.0065207273	-0.0152376728
## 98	0.0127165446	-1.545847e-03	0.0019423300	-0.0210020800	0.1197069227
## 99	0.0472593018	1.623315e-03	0.1017362422	0.0347452110	0.1044241929
## 100	-0.0028599286	-7.517037e-03	-0.0059005385	0.0085071390	0.1088911557
## 101	-0.0336297235	-2.690783e-03	-0.0514397734	-0.0020658552	0.0000251274
## 102	-0.0245195822	-2.117991e-02	-0.0221593048	-0.0816628254	-0.0173715553
## 103	0.0575286659	4.198802e-02	0.0132723677	0.0344921696	-0.0097762299
## 104	-0.0162642423	-7.213449e-02	-0.0442350738	-0.0128640549	0.0627351770
## 105	-0.0385518454	-6.238296e-03	0.0022215529	0.0034399890	0.0218762376
## 106	-0.0689357043	4.545356e-03	0.0061354880	0.0111691193	-0.0001042643
## 107	0.0132861938	-8.038926e-02	-0.0041916008	-0.0168473525	-0.0145558196
## 108	0.0091627785	-5.355198e-02	0.0007625233	-0.0491613143	-0.0664048492
## 109	0.0314667660	-1.204549e-02	-0.0360923731	-0.0364021998	-0.0333634686
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## 111 0.0449813327 1.387251e-02 -0.0601112515 0.0091038782 0.0335625420
## 112 0.0056930128 9.903506e-02 -0.1436734782 0.0651788469 0.0056744355
## 113 0.1002426526 2.829911e-02 0.0486403120 0.0083094918 0.0319430715
## 114 0.0419227354 -4.847370e-02 0.0525518727 -0.0154739168 0.0687500721
## 115 0.1252758685 1.004507e-01 -0.0575943506 0.0398848527 -0.0865734336
## 116 -0.0433016363 6.862619e-02 -0.0406651768 0.0034405399 -0.0131150457
## 117 0.0394620641 1.496621e-02 -0.0025974137 -0.0840365715 0.0531756127
## 118 0.0198515337 -1.686520e-02 -0.0497736476 -0.0250544877 0.0602379737
## 119 0.0124383549 -3.240678e-02 -0.0272735098 -0.0475708910 -0.1307288604
## 120 0.0446608168 -6.434629e-02 0.0759415271 -0.0190194147 -0.0003747247
## 121 -0.0157450911 4.677766e-02 0.0310850864 0.0256332610 -0.0061489735
## 122 -0.0868465730 2.825627e-02 0.0502240424 0.0101227414 -0.0280836057
## 123 0.0224507713 -8.924595e-02 -0.0092136992 -0.0503748039 -0.0381074780
## 124 -0.0236313407 1.578746e-02 0.0385768644 0.0634426879 0.0459221760
## 125 -0.0296004902 -1.049263e-01 0.0343344884 0.0589691202 0.0188363840
## 126 0.0176650799 3.545922e-02 -0.0995317474 -0.0728399392 0.0044967147
## 127 -0.0066447701 -3.135223e-02 -0.0885856821 -0.0998051500 -0.0987092043
## 128 0.0431761834 -3.420876e-02 -0.0437119357 0.0670573675 -0.0898785787
## 129 -0.0363844138 1.044803e-01 -0.0111192453 0.0031909961 0.0322048511
## 130 -0.0131143944 -3.746815e-02 0.0020755472 0.0589828059 0.0095785871
## 131 0.0009923132 4.047827e-02 0.0626081326 0.0101721392 -0.0465172562
## 132 -0.0773044916 6.050299e-02 -0.0137076680 -0.0854718172 0.0080870830
## 133 0.0161745083 5.421083e-03 0.0431718728 -0.0617000713 -0.0006973318
## 134 -0.0394855919 1.726169e-02 -0.0245445076 -0.0428058479 -0.0063352039
## 135 0.0413152197 2.118892e-02 -0.0214123380 0.0467225575 0.0195424917
## 136 -0.0835841890 1.873164e-02 0.0289959211 -0.0299889160 0.0156724156
## 137 0.0119589248 -2.917980e-02 0.0616761454 -0.0742997978 -0.0015840371
## 138 -0.0295250137 4.066718e-02 0.1086770440 -0.0610058403 0.0305888605
## 139 0.0384575790 5.333755e-02 -0.0295486736 0.0028017938 -0.0080937177
## 140 -0.0951712778 6.400838e-03 0.0051312733 0.0527259841 0.0363185281
## 141 -0.0122329018 6.964714e-03 0.0378464194 0.0262698801 0.0094791179
## 142 -0.0438082942 3.578806e-02 -0.0038557882 -0.0592259011 0.0079131214
## 143 -0.0956326288 8.905599e-04 0.0071594046 -0.0213594522 0.0098047337
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## 146 -0.0313071840 4.328022e-02 0.0501685540 0.1021602595 0.0163155988
## 147 0.0123855866 5.143894e-02 0.0092046713 -0.0713514729 0.0650363385
## 148 0.0235460106 1.700882e-03 0.0205009384 0.0392231500 0.0117628455
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## 150 -0.0302397262 -4.698825e-02 0.0690287173 0.0103609034 -0.0680140243
## 151 -0.0723285665 -1.301060e-02 -0.0389310230 -0.0449208869 -0.0263070498
## 152 -0.0260733368 2.688334e-02 0.0372557568 -0.0169929946 -0.0391333603
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## 154 0.0182329597 -5.630909e-02 -0.0770396211 -0.0510691484 -0.0450096813
## 155 -0.0018346563 -1.239787e-01 -0.0257462790 0.0048796573 -0.1268133394
## 156 -0.0146456667 -2.841442e-02 0.0041021088 -0.1104603089 0.0205869404
## 157 0.0030477530 -5.298330e-02 0.0164744845 -0.0421413391 -0.0194817088
## 158 0.0077370758 -1.234772e-02 -0.0294855798 0.0522762720 0.0234385277
## 159 -0.0550979929 -2.723118e-03 -0.0287339741 -0.0445436219 0.0549331225
## 160 0.0676572961 4.479329e-02 0.0520073459 0.0706034244 0.0080037650
## 161 -0.0194912523 1.723520e-02 -0.0137427043 0.0077154470 -0.0112086121
## 162 0.0343094581 5.396427e-02 -0.0064654477 -0.0136958123 -0.0144438218
## 163 -0.0559850459 -3.531445e-03 -0.0145154689 0.0163579700 -0.0216793630
## 164 0.0371108728 8.914761e-03 0.0494393031 0.0357425629 0.0128329547

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## 165	0.0106286553	-2.672071e-02	-0.0073884339	-0.0213222281	-0.0006318196
## 166	0.0152453789	-2.208115e-02	-0.0074342243	0.0127948864	-0.0021482067
## 167	-0.0014921111	2.294898e-03	-0.0217959560	-0.0513511068	0.0409202233
## 168	0.0990191981	-7.850008e-02	-0.0327697577	0.0027128241	0.0123890610
## 169	-0.0867375769	-6.768865e-02	-0.1021824311	0.0138165439	-0.0323450608
## 170	-0.0092175648	-1.858086e-02	-0.0287555939	-0.0075655184	0.0496220148
## 171	-0.0115307374	-3.374574e-02	0.0387462737	0.0419790294	-0.0465220504
## 172	0.0088440178	6.145267e-02	0.0022465181	-0.0306409935	0.0196747537
## 173	-0.0328997520	-3.582730e-02	-0.0119400013	0.1005810278	0.0087659640
## 174	-0.0741784943	1.940592e-02	-0.0518720855	-0.0188212392	0.0059669222
## 175	0.0305785255	-1.082839e-02	-0.0087310709	-0.0457948105	-0.0319149490
## 176	-0.0584805003	-8.409666e-02	0.0809248694	-0.0332092189	-0.0674320993
## 177	0.0149271234	-6.432156e-02	-0.0220455518	0.1015258641	0.0617614715
## 178	0.0365285767	-3.992440e-02	0.0738467279	0.0422010868	0.0127534378
## 179	0.0868857666	2.617406e-02	0.0447282655	-0.0192324651	-0.0365595790
## 180	-0.0660446060	2.324638e-02	-0.0179719922	-0.0325891883	-0.0076808991
## 181	-0.0681841585	7.029702e-03	-0.0527471150	-0.0742173979	-0.0745089281
## 182	0.0561751335	-8.140572e-03	0.0198666838	-0.0485230439	0.0122704689
## 183	0.0099938259	-5.628532e-02	0.1360192207	0.1220959031	-0.0347800627
## 184	0.0069207765	-3.126556e-02	0.0616339591	0.0119572124	0.0086659851
## 185	0.0057896839	-2.578635e-02	-0.0167524800	-0.0113670054	-0.0739097505
## 186	0.0231869385	1.000869e-02	0.0343784997	0.0438902309	0.0902972388
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## 189	0.0153434795	-2.127112e-02	-0.0315065131	-0.1002167032	0.1021571875
## 190	-0.0058196079	6.391916e-02	0.0243367598	0.0198803691	0.0056286786
## 191	0.0094296031	-4.073932e-02	-0.0018299438	-0.0648142056	0.0174830510
## 192	-0.0463484739	-2.934457e-02	0.1063400410	-0.0105348449	-0.0140676624
## 193	-0.0149512341	2.195515e-03	-0.0997746036	-0.0324934058	0.0347337673
## 194	-0.0160690926	5.277819e-02	0.0289850867	0.0494344635	0.0738108240
## 195	0.0023472474	-4.828219e-03	0.0425476366	-0.0214250644	0.0462512149
## 196	0.0513374469	-2.344812e-03	-0.0329844324	-0.0227304123	0.0486275246
## 197	0.0470517027	2.887354e-02	-0.0560212676	0.0136637494	0.0268700619
## 198	0.0312100565	-4.664737e-02	-0.0967251213	0.0209884406	0.0068841690
## 199	-0.0629616923	-3.188755e-02	-0.0128187972	0.0737771421	0.0044979116
##	V91	V92	V93	V94	V95
## 1	0.0737189163	0.0016892418	-2.215087e-02	-0.0126244816	0.0075067355
## 2	0.0481932737	-0.0295548167	4.695226e-02	0.0860462470	-0.0215323484
## 3	0.1222740775	0.0242228663	2.374040e-02	0.0456442132	-0.0645252245
## 4	-0.0238916126	-0.0116883820	-2.419987e-02	-0.0258484786	0.0628860679
## 5	0.0555409945	-0.0019733785	6.488096e-02	0.0483108896	0.0350443823
## 6	-0.0008640089	-0.0410743453	1.501944e-02	-0.0081593746	-0.0141341357
## 7	0.0853718648	-0.0740293118	8.171155e-02	-0.0019103295	0.0252254616
## 8	-0.0499209414	-0.1035029136	3.274382e-02	0.0067293610	0.0584152210
## 9	0.0257349092	0.0517275118	-1.231982e-02	-0.0240083203	0.1387758545
## 10	0.0697582421	0.0226252506	-5.880734e-02	0.0580134364	-0.0569641032
## 11	-0.0826889249	-0.0109654024	-2.445464e-02	0.0383310502	-0.0044492682
## 12	0.0641192032	0.0112625705	-2.477155e-02	0.0276606552	-0.0695222295
## 13	-0.0339584046	0.0182569987	-3.552410e-02	0.0764155050	-0.0165586661
## 14	0.0575659186	0.0264112722	-5.161326e-03	-0.0162801493	0.0499169181
## 15	0.0394264430	-0.0220001354	2.998047e-02	0.0065105737	0.0181656041
## 16	0.0155557566	-0.0110689957	5.214873e-02	0.0225677667	0.0002921224
## 17	-0.0343053795	0.0634749765	3.921274e-02	0.0200230760	-0.0330282532
## 18	0.0329242382	0.0049139896	-3.853693e-02	0.0036630968	-0.0050436878

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## 19 0.0664619927 0.0314629248 5.856543e-02 -0.0431126703 -0.0354831493
## 20 0.0135700037 0.0216993482 -1.373500e-03 -0.0217659489 -0.0373712057
## 21 -0.0329456630 0.0547899974 9.263249e-04 0.0359529875 0.0391879058
## 22 0.0736419816 0.0449412339 -4.899618e-02 0.0305507659 -0.0088519643
## 23 -0.0076548669 -0.0015681525 -1.929196e-02 0.0309145637 -0.0250149498
## 24 -0.0791310864 -0.0069703399 -6.303955e-02 0.0708208323 0.0047864840
## 25 0.0619193099 0.0143932988 1.732554e-02 -0.0106378179 -0.0093221020
## 26 0.0547629704 -0.0096090596 -1.368447e-01 -0.0300655241 0.0650551418
## 27 0.0301082129 -0.0424785473 -2.261651e-03 -0.0198246569 -0.0673487450
## 28 0.0165174099 0.0685751316 -6.830733e-02 -0.0967733108 -0.0590849700
## 29 -0.0381382469 -0.0004206646 -9.766085e-03 -0.0221258021 -0.0551747884
## 30 -0.0174074047 0.0030743302 1.600854e-02 -0.0446944096 0.0610141654
## 31 0.0841058902 -0.0533602544 4.667930e-02 0.0066800271 0.0408550019
## 32 0.0315307080 -0.0317245063 -2.008296e-02 0.0531892248 -0.0183145798
## 33 0.0035802223 0.0160530835 -1.528130e-02 0.0054423566 -0.0623548466
## 34 0.0472557234 0.0380814365 -6.966916e-03 -0.0598968262 0.1030703124
## 35 -0.0120892876 -0.0376419964 -5.836199e-02 0.0273010797 0.0180753299
## 36 -0.0139920045 0.0577834354 5.354638e-02 0.0564206208 0.0202949027
## 37 0.0202483856 0.0091525629 2.509066e-02 0.0192689661 -0.0508611822
## 38 0.0202162778 0.0149994932 -1.780993e-02 -0.0081823802 0.0341772329
## 39 -0.0010409813 0.1014581918 -9.055371e-02 -0.0680740514 0.0082738351
## 40 0.0056568668 -0.0093198443 -3.194095e-02 0.0879672451 0.0072061597
## 41 0.0244930405 -0.0204138227 -1.468991e-02 0.0720425486 0.0480742264
## 42 0.0199552012 -0.0012191630 -1.345647e-02 -0.0085414633 -0.0520350755
## 43 0.0205482409 -0.0790661691 -6.019399e-02 -0.0072939337 -0.0129307541
## 44 -0.0643127128 0.0733900031 3.116692e-02 0.0528772736 0.0220095463
## 45 0.0315705446 -0.0685146651 -1.123471e-01 -0.0244711937 0.0422109639
## 46 -0.0031173651 0.0036176959 -1.983597e-02 -0.0006977664 0.0048354742
## 47 -0.0224504475 -0.0038983150 -3.745828e-02 0.0022603490 -0.0425220857
## 48 -0.0206809379 0.0246186037 -6.067879e-04 -0.0299763480 -0.0059956635
## 49 0.0061305926 -0.0408629128 -2.014890e-02 0.0423351611 -0.0154842983
## 50 0.0372844757 -0.0152575332 2.841282e-02 -0.0219912721 -0.0054549334
## 51 -0.0269682281 -0.0171678370 -7.952366e-03 0.0237033062 0.0275528129
## 52 0.0438200961 -0.0008246260 3.685228e-02 -0.0375862016 0.0597635375
## 53 -0.0515126817 0.0270255951 -3.470565e-02 0.0195809328 -0.0088818272
## 54 0.0093763972 -0.0740211027 -7.096375e-03 -0.0186689882 -0.0599910541
## 55 0.0551280374 -0.0466504674 -2.142055e-02 -0.0828257616 0.0574898431
## 56 -0.0063253423 -0.0200069695 -5.410396e-04 -0.0177658225 -0.0827260036
## 57 -0.0307835548 0.0247300133 2.003868e-02 0.0223968644 0.0209185819
## 58 -0.0264431904 0.0198868450 -4.766192e-02 -0.0219632566 -0.0313491367
## 59 -0.0111320867 0.0310823216 5.392791e-02 0.0236361580 0.0496509862
## 60 0.0559804706 0.0073308579 4.200818e-02 -0.0083111403 0.0355230070
## 61 0.0228258124 0.0196882543 -2.348344e-02 0.0727610358 0.0513589815
## 62 -0.0138256866 0.0675294033 -4.171426e-03 -0.0170490896 -0.0584032881
## 63 -0.0611589377 0.0330921822 -4.731230e-02 -0.0492088003 0.0277584479
## 64 -0.0475823937 0.0470617745 -5.569880e-03 0.0512830186 -0.0069761104
## 65 -0.0381039918 -0.0579453702 -1.206956e-03 -0.0050737329 0.0280156596
## 66 -0.0259961606 -0.0145714077 2.987411e-02 -0.0361779926 0.0350733419
## 67 -0.0314100071 0.0001223022 -3.598554e-02 0.0128694627 -0.0363449299
## 68 -0.0190831863 0.0171797307 -9.639935e-02 -0.0038295537 0.0537416219
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## 71 0.0235341310 -0.0038162284 -6.454686e-05 0.0169443525 -0.0292287123
## 72 0.0151103021 -0.0216038434 7.354704e-02 0.0067180617 -0.0013232022

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## 73	-0.0756478086	-0.0071590794	2.820046e-02	-0.0075539869	0.0224675009
## 74	0.0969165923	-0.0102181229	-2.086406e-02	-0.0122805641	0.0558425995
## 75	-0.0747881615	0.0704474086	3.384857e-02	0.0474539410	0.0120556558
## 76	0.0261373764	0.0397967086	8.405570e-02	-0.0059357824	0.0812239556
## 77	0.0325381612	-0.0653749342	5.965648e-02	-0.0359547818	-0.0103472747
## 78	-0.0622082039	-0.0258461688	3.630491e-03	-0.0556362493	-0.0739572843
## 79	0.0498921088	0.0469678304	-2.088378e-02	0.0071585972	-0.0802857234
## 80	0.0237976023	0.0657485069	-5.125070e-02	0.0465497370	0.1114602116
## 81	0.0350463339	0.0687050976	-1.438608e-02	-0.0666617116	0.0021850715
## 82	-0.0189321652	-0.0542941966	-2.066105e-02	0.0012016738	-0.0454356928
## 83	-0.0088310148	-0.0463419458	4.000896e-03	-0.0771956692	-0.0248036321
## 84	-0.0025989429	-0.0317868946	-1.185943e-02	0.0122399938	-0.0328408956
## 85	0.0256140500	-0.0560300386	-8.500431e-04	0.0207210140	0.0077482600
## 86	0.0402218616	-0.0353462207	-1.968827e-02	0.0052835329	-0.0470486992
## 87	-0.0039282296	0.0617729879	-3.859057e-02	-0.0507608771	0.0735123479
## 88	0.0681612025	-0.0120263457	-5.582376e-02	-0.0622167850	0.0182247742
## 89	0.0187993731	0.0701658523	1.575113e-02	-0.0113228741	0.0975444752
## 90	0.0204543039	-0.0568753977	-7.318193e-02	0.0471271553	-0.1135419718
## 91	-0.0315794634	0.0530928564	4.845456e-02	0.0546221425	0.0001941458
## 92	-0.0255701962	0.0066543482	-2.233280e-02	0.0022672811	0.0783081603
## 93	-0.0355346942	0.0606134595	-4.567561e-02	0.0096416206	-0.0335226288
## 94	0.0504939179	-0.0672198406	-1.021658e-02	0.0206738826	0.0784613017
## 95	0.0146465657	-0.0585455170	-5.048071e-02	0.0839384678	-0.0618509731
## 96	0.0514412281	0.0214462240	2.468708e-02	0.0197245105	-0.0209807623
## 97	-0.0450673471	0.0309950680	-5.524853e-03	0.0031100273	-0.0245344549
## 98	-0.0098888992	-0.0086842331	-1.221118e-02	0.0096745373	-0.0445051273
## 99	-0.0283017302	-0.0338117646	6.348835e-02	-0.0589429798	0.0223840194
## 100	-0.0374770636	-0.0929665656	1.256335e-03	-0.0212700513	0.0289756254
## 101	-0.0433569369	-0.0182134840	1.867842e-02	0.0290024589	-0.0450907534
## 102	0.0273731260	0.0144968857	2.327680e-02	0.0018121709	0.0325636864
## 103	0.0089389118	0.0064303947	-7.691224e-02	0.0903584650	-0.0289522734
## 104	0.0315570904	-0.0459988821	-4.716324e-03	0.0420182386	-0.0239317200
## 105	-0.0102508721	-0.0141986706	8.580117e-02	0.0065546307	0.0065459344
## 106	0.0069730279	0.1424268185	5.451117e-02	-0.0121303685	-0.0820825171
## 107	0.0442701807	-0.0418904596	8.587696e-02	0.0733232228	0.0726232686
## 108	-0.0318841470	-0.0227933845	-5.377661e-02	0.0092840991	-0.0146797532
## 109	-0.0262651426	-0.0590182633	4.673153e-02	-0.0183589445	0.0337268048
## 110	-0.0576230990	0.0478059379	1.820784e-02	-0.0215642364	-0.0126328159
## 111	-0.0772725352	-0.0318779924	-1.740980e-02	0.0094860669	0.0198890302
## 112	0.0255272497	0.0059885874	4.748313e-03	-0.0402871416	0.0315383363
## 113	-0.0194968614	0.0084300849	5.053042e-02	0.0446419746	0.0583554547
## 114	0.0305377626	-0.0006811839	-2.262155e-02	-0.0115327262	-0.0362531505
## 115	-0.0454682180	0.0172973163	2.970346e-02	0.0704041257	-0.0042297074
## 116	0.0565395532	-0.0317459393	-1.211483e-01	-0.0054961022	0.0302706944
## 117	-0.0180851262	0.0144176449	3.190919e-02	-0.0316609456	-0.0151344639
## 118	-0.0279960613	-0.0354863291	-2.782365e-02	-0.0482953528	0.0237657378
## 119	0.0071459455	-0.0635374336	3.211727e-02	0.0172861501	0.0087333161
## 120	-0.0105353830	-0.0070289214	4.572891e-02	0.0131513110	-0.0024733953
## 121	0.0068640559	-0.0185480384	5.787658e-03	0.0034368975	-0.0709111530
## 122	-0.0151708745	0.0025908818	-6.767774e-02	-0.0224308043	-0.0479021250
## 123	-0.0550180452	0.0033786393	-3.613151e-02	0.0292877621	-0.0244901624
## 124	0.0257563518	0.0539044409	3.958526e-02	0.0232598148	-0.0318536639
## 125	-0.0322497578	-0.0212295110	1.062789e-02	0.0042104348	-0.0173798081
## 126	0.0081253265	0.0306646778	3.797550e-02	0.0076980266	0.0657057559

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## 127 -0.0041070951 -0.0232434858 -1.916839e-02 0.0233306570 -0.0330040045
## 128 0.0191379547 -0.0407886478 6.306720e-02 -0.0326221242 -0.0071185742
## 129 0.0167619239 0.0587729593 -1.179126e-02 0.0411239173 -0.0149180869
## 130 0.0625177103 -0.0725265343 -5.061201e-03 0.0325095314 -0.0015659710
## 131 -0.0142899491 -0.1000756913 5.790388e-02 -0.0066296707 -0.0327079295
## 132 -0.0349725674 -0.0424636313 -2.815561e-02 -0.0525570635 -0.0113313659
## 133 -0.0226192699 -0.0009880350 -8.954697e-03 0.0275972693 0.0537924176
## 134 -0.0280432962 0.1016132092 -5.320311e-02 0.0357863556 -0.0196769122
## 135 0.0138460437 -0.0066823606 -7.556994e-02 -0.0010605708 -0.0250409495
## 136 -0.0778041010 0.0155252152 2.948161e-02 -0.0746731444 0.1114978461
## 137 0.0178811314 -0.0190111471 -1.060417e-02 -0.0233842072 -0.0315425291
## 138 -0.0512794445 -0.0282406937 4.792770e-02 -0.0265972492 0.0871359389
## 139 0.0385053029 -0.0245225661 4.407235e-02 0.0320490079 -0.0226660215
## 140 0.0147147229 0.0025393369 -7.745785e-03 -0.0244700400 0.0075897727
## 141 -0.0182043456 -0.0036582633 1.672624e-02 0.0427850129 -0.0404310995
## 142 -0.0514580216 0.0322170830 5.704039e-02 -0.0592269296 -0.0738233177
## 143 0.0111614063 0.0262013447 1.013406e-02 0.0060457960 0.0263604292
## 144 0.0277319314 0.0150733105 4.971028e-02 -0.0052206608 0.0138260467
## 145 0.0714660581 0.0108614403 4.408384e-02 0.0175826536 0.0328969408
## 146 0.0197278906 -0.0267091143 7.570652e-02 -0.0466188700 -0.0259289920
## 147 0.0018552634 -0.1099193772 2.698394e-02 -0.0065436893 -0.0598252380
## 148 -0.0064334873 -0.0029945777 8.812717e-02 0.0149989822 -0.0301356131
## 149 -0.0585742773 0.0506523005 1.305576e-02 0.0303393311 0.1594548638
## 150 -0.0467973519 0.0671905114 -1.049030e-01 -0.0457222971 0.0205735069
## 151 -0.0150715394 0.0326287569 2.085930e-02 -0.0327626800 0.0270907818
## 152 -0.0308300667 -0.0062858569 -4.143633e-02 0.0063321509 -0.0881849114
## 153 -0.0099497132 -0.0041235243 -1.126798e-01 0.0151138520 0.0033171975
## 154 -0.0267658916 -0.0447283715 1.651111e-03 0.0420776614 -0.1150906308
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## 157 0.0404575087 0.0237420262 -4.982429e-02 0.0382208372 -0.0523257396
## 158 -0.0234688625 -0.0148253121 -4.037607e-02 -0.0321279112 -0.0193399403
## 159 -0.0584421137 -0.0246916591 -3.260938e-03 -0.0344993431 0.0141179815
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## 161 0.0592276196 -0.0182661122 -3.998833e-02 0.0142237203 -0.0722527073
## 162 0.0144084930 0.0380416276 3.766188e-02 0.0149528936 -0.0371620128
## 163 0.0009162288 0.0049027450 -2.720964e-02 -0.0339180376 -0.0206781979
## 164 -0.0362284204 0.0011233578 -2.207072e-02 -0.0002839295 -0.0924587901
## 165 -0.0626529537 -0.0139197245 -5.337045e-02 0.0053738767 -0.0866106835
## 166 0.0198798670 -0.0016220846 8.596508e-03 -0.0230440283 0.0093519325
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## 171 -0.0175083742 0.0155668248 -4.752897e-02 0.0363763021 0.0006324823
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## 173 0.0420534198 0.0097748682 1.434095e-02 0.0045236886 0.0591346758
## 174 0.0103715495 0.0235516131 -6.189178e-03 -0.0168057604 0.0187306797
## 175 -0.0166247034 -0.0643514886 -4.395021e-02 0.0492525641 0.0072182411
## 176 -0.0056550046 0.0108426000 6.838455e-02 0.0280690450 -0.0254156447
## 177 -0.0324528503 0.0029492337 -3.114209e-02 0.0598938783 -0.0466430123
## 178 -0.0699437941 0.0235583066 2.921390e-02 0.0265129320 -0.1133164269
## 179 -0.0205723066 -0.0541679686 -5.094638e-02 -0.0492475442 0.0242384477
## 180 -0.1293705234 -0.0054246767 2.138155e-02 0.0055909186 0.0227005875

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## 181	0.0361842025	0.0214605782	6.310177e-02	0.0274459371	-0.0373877975
## 182	0.0645854983	0.0314569019	-4.262018e-02	0.0188726831	0.1206924321
## 183	-0.0675680015	-0.0378482446	6.414603e-03	-0.0386894196	0.0203013500
## 184	0.0148874577	0.0263672731	-3.501638e-02	-0.0214424251	-0.0125013479
## 185	0.0381764102	0.0050637873	6.401231e-02	0.0738766228	-0.0446565111
## 186	0.0243205191	-0.0126862877	2.527399e-02	-0.0373510118	-0.0039322739
## 187	0.0886352102	0.0229487130	-2.044452e-03	0.0542214769	-0.0287711535
## 188	0.0268026110	-0.0484592786	2.880706e-02	-0.0437218680	0.0053453430
## 189	0.0856323295	-0.0160021554	-2.604611e-02	0.0279942836	0.0098601652
## 190	-0.0171285830	-0.0172995493	8.356924e-02	-0.0240234637	0.0684342625
## 191	0.0046129754	-0.0262943963	7.343650e-03	-0.0072321411	0.0607078416
## 192	-0.0045744954	-0.0336715691	3.775917e-02	-0.0276405253	-0.0410125264
## 193	0.0010375196	0.0348638308	-4.757520e-02	0.0015790924	0.0105113123
## 194	-0.0179183154	-0.0021773736	4.725887e-02	0.0009951054	-0.0237451401
## 195	0.0270105918	0.0419065955	2.082022e-02	-0.0164679750	-0.0481516789
## 196	0.0249323471	-0.0269401979	4.153677e-04	0.0045206889	-0.0143753270
## 197	0.0393895739	-0.0340101918	-5.960434e-03	-0.0530312481	-0.0661407771
## 198	-0.0573533826	-0.0369740027	-6.464811e-02	0.0673790942	-0.0916927694
## 199	-0.0176539143	-0.0265217537	-3.174357e-02	-0.0884684884	-0.0103259622
##	V96	V97	V98	V99	V100
## 1	0.0151528696	-0.0187551056	-0.0159004881	-4.893664e-02	-3.936514e-02
## 2	0.0010406925	-0.0074197451	-0.0299384801	-7.769649e-02	-3.815197e-02
## 3	-0.0339631889	0.0160291296	-0.0548878937	-6.552424e-02	4.399995e-02
## 4	0.0514184954	-0.0568408406	0.0022702333	-3.800501e-02	-3.544294e-02
## 5	0.0056817688	0.0417144039	0.0252315642	5.260793e-02	7.562327e-03
## 6	-0.0092751650	0.0419684078	-0.0350979695	-5.719892e-02	-1.709096e-02
## 7	-0.0138751041	0.0173360401	-0.0972944757	-2.283019e-03	-2.434092e-02
## 8	-0.0221918311	-0.0458617227	-0.0256878591	-8.760305e-03	-4.720187e-02
## 9	0.0039870651	0.0036285651	0.0004907337	3.547704e-02	-8.273449e-02
## 10	0.0065056816	-0.0073168393	-0.0195495267	8.514709e-03	2.525795e-02
## 11	-0.0289565013	-0.0913909236	-0.0359322705	4.407825e-02	-4.602302e-02
## 12	0.0466679828	-0.0241725021	-0.0712853242	-1.053323e-02	4.086234e-02
## 13	0.0870944368	0.0013250715	0.0184967149	-6.991403e-02	1.937794e-02
## 14	-0.0517641205	-0.0954268620	-0.0096655505	2.571389e-02	-4.866834e-03
## 15	-0.0478417342	-0.0810493243	-0.0499050772	1.029095e-02	3.673969e-02
## 16	-0.0936848702	0.0245119154	-0.0264753937	-7.890132e-02	3.132621e-02
## 17	0.0356746333	-0.0552041127	-0.0233356671	1.493620e-02	2.289119e-02
## 18	0.0637609036	0.0690136556	0.0014357750	3.001745e-02	4.271089e-03
## 19	-0.0163448057	0.0040731170	-0.0006151929	-5.571577e-02	7.149703e-02
## 20	0.0354618533	-0.0406573226	0.0739510728	-1.511707e-02	-1.625069e-02
## 21	-0.0103345396	0.0397176813	-0.0408368982	6.290149e-03	-1.133494e-02
## 22	-0.0165167598	0.1551303419	0.0248688771	-6.925003e-03	3.174580e-02
## 23	0.0321539706	0.0203391309	0.0625755490	-3.569931e-02	-6.954863e-02
## 24	0.0089349822	-0.0054672060	0.0049202404	6.384947e-02	3.641927e-02
## 25	0.0335048665	0.0669595599	-0.0629763602	-4.874798e-02	-5.683805e-04
## 26	-0.0177135174	-0.0292371775	0.0180049155	2.772548e-02	-3.556889e-03
## 27	-0.0597561474	0.0492550143	-0.0660276697	1.196397e-01	-2.969764e-02
## 28	0.0302459304	0.0488115518	-0.0348144963	5.790931e-03	2.099675e-02
## 29	0.0306713564	-0.0244462761	-0.0609803931	1.383321e-02	-8.690070e-02
## 30	0.0192150123	-0.0011601772	-0.0458228320	8.159952e-02	-4.736387e-02
## 31	-0.0371542223	0.0384752337	0.0654843753	-5.084210e-02	-7.084197e-02
## 32	0.0105601014	0.0121926979	0.0222864547	-7.789696e-02	1.560083e-02
## 33	-0.0358199177	0.0850995723	-0.0079453986	1.844243e-02	1.400308e-02
## 34	-0.0374287572	-0.0024372264	0.0401476866	4.994271e-02	-3.303673e-02

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## 35 -0.0447340016 -0.0178734273 -0.0083244609 5.741250e-02 -7.705462e-02
## 36 -0.0329764630 -0.0465609933 0.0456779438 2.585800e-02 7.488187e-02
## 37 -0.0232261159 -0.0640231860 0.0347561820 6.726958e-03 -6.127666e-02
## 38 -0.0843683031 -0.0244396112 -0.0565770279 2.726682e-02 5.904391e-02
## 39 0.0272469167 0.0781884897 -0.0794227384 -4.994879e-02 -9.494614e-03
## 40 -0.0135353836 -0.0118370476 -0.0362562028 -2.641770e-02 -7.199127e-04
## 41 -0.0558124854 -0.0598166877 -0.0169450312 3.091280e-02 5.448889e-02
## 42 -0.0852800147 -0.0165842843 -0.0441122154 -2.248044e-02 -7.790023e-03
## 43 -0.0460935660 0.0753671136 -0.0153847762 -5.458680e-02 -5.311235e-02
## 44 0.0067520153 0.0410097774 0.0354629168 -4.833145e-02 -4.437903e-02
## 45 0.0307772379 -0.0671020000 0.0486191709 -5.679265e-02 3.934153e-02
## 46 0.0450646240 0.0411868888 -0.0055490851 5.077948e-02 -3.730680e-02
## 47 -0.0478714773 0.0314861570 0.0206051837 -6.475054e-02 4.352239e-02
## 48 0.0239232757 -0.0188245177 0.0609150581 -8.284736e-02 1.990243e-02
## 49 0.0632267881 0.0240380660 -0.0721224546 -3.024877e-02 -2.010088e-02
## 50 0.0186667681 0.0025450468 0.0239246631 -2.324543e-02 -1.937604e-02
## 51 0.0565855942 -0.0040373353 0.0352792638 3.273830e-02 5.373728e-02
## 52 0.0345405436 -0.0196049683 -0.0168038952 5.553262e-02 5.200463e-03
## 53 0.0336309704 -0.0034023043 -0.0504573898 5.194412e-02 1.726346e-02
## 54 -0.0792992135 0.0354971446 -0.0499217458 1.243527e-02 -8.031266e-03
## 55 -0.0011382850 0.0678227966 0.0338848151 -2.307563e-02 2.353901e-02
## 56 -0.0473736095 -0.0414496025 0.0149672285 -3.241369e-02 1.224961e-02
## 57 -0.0550710731 0.0762473958 0.0125603802 4.707400e-02 5.969999e-02
## 58 -0.0391383295 -0.0510211729 0.0041485846 -4.925049e-02 8.042397e-04
## 59 0.0578253427 0.0227929709 -0.1333606569 3.362433e-02 -4.680713e-02
## 60 -0.0613817920 -0.0029389143 0.0461250726 1.559890e-01 -3.762251e-02
## 61 0.0084427931 0.0488563969 -0.0286303381 1.971648e-02 1.493414e-02
## 62 0.0002256944 0.0332422572 -0.0353960326 4.244032e-04 3.015024e-02
## 63 -0.0060826305 0.0047413735 -0.0279538444 1.764736e-02 8.712375e-03
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## 65 -0.0790610928 0.0516699890 0.0102032906 8.123014e-02 8.065826e-02
## 66 -0.0230232080 0.0842115287 -0.0096273809 -2.510187e-02 -3.898875e-02
## 67 0.0135831370 0.0532747880 0.0075656267 -1.650357e-02 5.503952e-02
## 68 -0.0004810143 -0.0075497006 -0.0781806848 -2.460607e-02 -4.510065e-02
## 69 -0.0359237396 0.0131743544 -0.0276638269 -1.893238e-02 -2.056550e-02
## 70 -0.0044647420 0.0401322105 0.0359424823 5.293767e-02 -8.698382e-02
## 71 0.0045548341 0.0134788487 -0.0114497795 -1.379676e-02 6.157160e-02
## 72 -0.0120059708 0.0482168062 0.0440495470 5.440251e-02 3.735201e-02
## 73 0.1325299253 0.0987644356 0.0658531113 1.024497e-02 -2.349027e-02
## 74 -0.0074269001 -0.0093739690 0.0280134766 -4.821869e-02 -3.162311e-02
## 75 0.0386448847 -0.0501909907 -0.0224553973 1.440732e-01 4.326185e-02
## 76 -0.0915229844 -0.0151314661 0.0196324927 -6.285548e-02 5.390934e-02
## 77 -0.0315364338 -0.0781920333 0.0412839452 9.040260e-04 1.919306e-02
## 78 -0.0554555755 -0.0206635357 -0.0842913780 6.095992e-02 1.141548e-01
## 79 0.0258992302 0.0108482276 0.0065016967 -1.371530e-02 5.253078e-02
## 80 0.0106651901 -0.0682652030 -0.0863535141 3.596903e-02 1.681766e-02
## 81 0.0405320299 -0.0049593714 -0.0046937546 1.973160e-02 -3.364066e-02
## 82 -0.0321345758 -0.0045084616 0.0277845864 3.364798e-02 1.654869e-02
## 83 0.0774138917 -0.0577331673 -0.0104974870 -7.398454e-02 1.336688e-02
## 84 -0.0901682111 -0.1201802944 0.0381451210 3.010902e-03 9.194783e-02
## 85 -0.0050172406 -0.0346323830 -0.0809428379 -2.131392e-02 -5.454195e-02
## 86 0.0355709389 0.0264988631 -0.0090595283 2.644680e-02 1.330586e-02
## 87 -0.0480777125 -0.0056944925 0.0158649809 -7.671078e-03 1.499506e-02
## 88 -0.0425250200 -0.0243713454 -0.0857711428 -7.534846e-02 3.849867e-02

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## 89	0.0239749698	0.0350360321	-0.0136956461	2.817319e-02	-4.746037e-02
## 90	-0.0779823702	0.0141553306	0.0251038452	1.047640e-02	-4.351643e-02
## 91	-0.0228308018	0.0318379061	-0.0818291586	4.123441e-02	-4.327081e-02
## 92	-0.0010010881	-0.0015368328	-0.0851297647	5.703348e-02	1.259789e-02
## 93	0.0330022100	0.0124567099	-0.0313094734	-3.908654e-02	2.660418e-02
## 94	-0.0123802848	-0.0555248978	0.0042809099	2.828798e-02	-8.765053e-03
## 95	0.0423848764	0.0379876474	0.0614243360	1.954793e-02	4.002686e-02
## 96	-0.0696730989	-0.0248175075	0.0666554845	-3.868123e-03	5.146834e-02
## 97	0.0622907331	0.0726546753	-0.1050993393	-1.338776e-02	-4.493215e-02
## 98	-0.0468806094	-0.0919147560	-0.0180424552	-8.583587e-03	2.823141e-02
## 99	-0.0087396713	0.0362469979	0.0106374918	-2.020700e-02	-2.571236e-02
## 100	0.0392718071	0.0289440873	-0.0426895048	-6.015769e-02	-4.485244e-02
## 101	-0.0947864722	0.0199468671	-0.0250641551	2.270136e-02	-6.500003e-05
## 102	-0.0295930292	0.0165296613	-0.0052398483	7.071985e-02	3.776503e-02
## 103	0.0338479358	0.0283001443	0.0462499998	-2.056588e-03	3.578154e-03
## 104	0.0322340900	-0.0066069676	0.0135355841	-2.393883e-02	-1.237147e-02
## 105	-0.0251911659	0.0321818151	0.0534844873	-1.056465e-02	-7.880993e-02
## 106	0.0263161168	-0.0272392155	0.0055211999	1.773177e-03	7.972606e-02
## 107	-0.0598878383	0.0261019120	0.0467328914	1.576235e-02	5.533136e-02
## 108	0.0017537515	-0.0202121922	-0.0179684616	-4.142489e-02	5.240378e-02
## 109	-0.0500677438	-0.0656668876	0.0189029736	-3.641080e-02	3.725228e-03
## 110	-0.0310594689	-0.0426237838	0.0092516975	-6.091073e-02	-5.781181e-02
## 111	-0.0337587793	-0.0042342823	0.0416060430	-2.964156e-02	4.120262e-02
## 112	0.0145846765	0.0452502389	0.0361424252	-3.911823e-02	1.090912e-01
## 113	-0.0021964018	0.0105479183	0.0114543595	3.879787e-05	-1.375285e-02
## 114	0.0112727705	-0.0373700044	-0.0290769788	-5.438009e-04	-3.322156e-02
## 115	-0.0301133997	0.0557588998	-0.0503595164	-6.850775e-02	-2.626859e-02
## 116	0.0890515908	0.0507231972	0.0337541150	-4.405264e-02	4.659973e-02
## 117	-0.0247044997	0.0351634433	0.0270788201	-3.490986e-02	-3.236968e-02
## 118	0.1393251290	-0.0386704640	0.0294940814	-1.917571e-02	-1.324076e-02
## 119	-0.0375833201	0.0156562671	0.0938949867	-4.275892e-02	8.270497e-02
## 120	0.0356825713	0.0242171551	-0.0289858389	-3.152951e-02	-3.110083e-03
## 121	0.0212820503	0.0045650262	0.0425079437	3.647577e-02	-1.301096e-01
## 122	0.0202083922	-0.0092124397	-0.0368019640	-7.223457e-02	2.833702e-02
## 123	0.0143487085	-0.0602455389	0.0701689095	8.169252e-02	-7.772038e-03
## 124	-0.0711142303	-0.0683318002	0.0060929505	4.149199e-02	-5.095164e-02
## 125	0.0143121332	-0.0817105197	-0.0316873586	-5.351539e-02	-2.482810e-02
## 126	0.0293896444	-0.0527568831	0.0728586105	-2.788378e-02	1.018442e-03
## 127	0.0789148289	0.0190345804	-0.0685400814	3.335781e-02	2.271933e-02
## 128	0.0266681386	-0.0136725471	-0.0519520227	1.268274e-03	2.778746e-02
## 129	-0.0603189168	0.0092020672	0.0077150692	-6.920330e-02	6.295481e-02
## 130	0.0168276467	0.0483470631	-0.0879781055	-3.443555e-02	-3.261785e-02
## 131	0.0944330171	0.1136926347	-0.0097619431	2.821170e-02	-2.346041e-02
## 132	-0.0220006375	-0.0178867251	-0.0477507565	-5.733135e-02	8.904980e-03
## 133	0.0121204151	0.0018745179	-0.0513486506	3.840666e-03	-4.220536e-02
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## 136	0.0513523628	0.0267364853	0.0068563860	-1.821912e-04	6.775261e-02
## 137	0.0179522842	-0.0589653634	0.0581441895	1.808224e-03	1.421547e-02
## 138	-0.0045885845	0.0035092134	0.0073655237	-3.229950e-02	-3.179347e-03
## 139	-0.0048064706	-0.0674472945	-0.0131150330	-2.295402e-02	-1.132429e-02
## 140	0.0044143315	-0.0008172722	0.0510070360	-5.656990e-02	-3.869381e-02
## 141	0.0095743480	0.0492140525	0.0310961555	-1.194360e-03	2.859800e-02
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## 143 0.0720644003 0.0180346265 -0.0191862153 -6.315483e-02 2.343627e-02
## 144 -0.0037119846 -0.0433868442 -0.0277832296 -9.393101e-03 4.954311e-02
## 145 0.0010917757 -0.0297783874 -0.1139466462 1.097314e-02 -5.554635e-03
## 146 -0.0604036109 -0.0934842486 -0.0464077153 4.134183e-02 -5.398784e-02
## 147 -0.0685383707 0.0536608279 -0.0186738159 -3.039185e-03 6.746539e-02
## 148 -0.0449772816 -0.0311260865 0.0842166381 3.056187e-02 -2.278464e-02
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## 152 -0.0052611081 0.0716615850 0.0086728984 -2.101950e-02 -2.810073e-02
## 153 0.0561829964 0.0068306390 0.0424717646 -5.860325e-02 1.924174e-02
## 154 0.0264441714 0.0210626675 0.0272504758 6.358214e-02 1.137435e-02
## 155 0.0225291096 0.0718190117 -0.0536864979 -3.422984e-02 1.120034e-02
## 156 0.0043235330 -0.0464270928 0.0107806677 -1.897820e-02 1.556361e-02
## 157 0.0449597350 -0.0166420046 0.0295440626 -1.538689e-02 6.179317e-02
## 158 0.0244404313 -0.0013167710 0.0021453178 -2.699700e-03 -7.622584e-02
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## 165 0.0128871589 0.0758096614 0.1060818723 -7.095671e-02 -6.601200e-02
## 166 0.0468252280 0.0435128941 -0.0015044529 -7.925574e-02 -5.068403e-03
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## 172 -0.0700863152 -0.0870207266 -0.0005164974 -3.312309e-03 -6.171941e-02
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## 178 0.0320892517 -0.0490039748 -0.0323089722 -2.709054e-02 6.315900e-02
## 179 -0.0252861069 -0.0535194445 0.0348440529 -1.193185e-02 5.159139e-02
## 180 0.0204526855 -0.0138773649 0.0329590483 -1.118786e-02 4.401457e-02
## 181 0.0990887735 0.0078887330 0.0513567409 1.405361e-01 2.881791e-02
## 182 0.0585554340 0.0011641147 0.0752274854 -1.296138e-02 -1.674884e-02
## 183 0.0562751188 -0.0503541140 -0.0299999353 -2.036649e-02 1.258764e-02
## 184 -0.0232850492 -0.0195711313 0.0237461839 3.067629e-02 -1.428100e-02
## 185 0.1143308457 0.0134581603 -0.0144426622 -5.606760e-02 -6.244037e-02
## 186 0.0607473395 -0.0852476494 -0.0380153835 1.418444e-02 2.841656e-02
## 187 0.0099634785 -0.0078344936 -0.0487245149 5.017543e-03 -2.736704e-03
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## 191 -0.0660862435 -0.0662096256 0.0258479563 -6.758475e-02 3.301436e-02
## 192 0.0417918160 0.0374379306 -0.0748337131 3.181940e-02 6.223117e-03
## 193 -0.0620759229 0.0367723402 0.0235168824 -3.551081e-02 -9.371488e-02
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## 196 0.0174502409 0.0005818933 -0.0258341635 -2.493921e-03 -9.313258e-03

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## 197	-0.0610222190	0.0633988238	-0.0190436661	-1.606268e-02	-3.755545e-02
## 198	-0.0324009781	-0.0631049668	-0.0303739715	4.879555e-02	-2.268583e-02
## 199	0.0432339744	-0.0100721891	0.0020819087	2.556088e-03	1.802851e-02
##	V101	V102	V103	V104	V105
## 1	0.0066294430	0.0427757363	0.0620761814	-0.0088239221	0.0159770139
## 2	0.0145671408	0.1150478171	0.0090146908	-0.0047396103	0.0672739306
## 3	0.0397153990	0.0132557201	0.0468027178	-0.0008322152	-0.0576838585
## 4	-0.0450596460	-0.0163932480	0.0788191046	0.0130465278	0.0082539694
## 5	0.0088498743	0.0580672593	0.0424309282	-0.0141406641	0.0674258270
## 6	0.0125460819	-0.0044407928	-0.0011328788	0.0390497984	-0.0359100294
## 7	-0.0402527497	-0.0309130961	0.0134934917	-0.0107438472	0.0626399464
## 8	0.0522029630	0.0784388735	-0.0226762711	0.0284173015	-0.0883594034
## 9	-0.0333700960	-0.1203796700	-0.0067086927	0.0477167936	0.0697084959
## 10	0.0355969597	-0.0519154949	0.0227514794	-0.0558910889	0.0170498046
## 11	-0.0096835196	-0.0234262447	-0.0363850699	0.0208522725	-0.0483813386
## 12	0.0177498571	0.0565123425	0.0035248886	-0.0114551783	-0.0387125192
## 13	-0.0225159186	0.0793204759	-0.0274286893	-0.0135052549	0.0506758906
## 14	0.0258340055	0.0349245220	0.0817998545	-0.0203486897	-0.0563031653
## 15	-0.0233132019	0.0199330480	0.0195121897	0.0916651580	-0.0264364013
## 16	0.0662801312	-0.0110275426	-0.0095085224	-0.0446287710	0.0525731253
## 17	-0.1457503777	0.0021308458	0.0302660525	-0.0642644800	0.0143787241
## 18	-0.0023985884	-0.0074104183	-0.0372475646	0.0386924526	-0.0448499193
## 19	0.0042360018	0.0087618820	0.0036938210	-0.0161452844	0.0286963478
## 20	-0.0499006330	0.0189690159	0.0293034723	-0.0277895887	-0.0505311715
## 21	-0.0480008156	0.1352371018	0.0541716739	-0.0655925196	0.0343164296
## 22	-0.0698339647	0.0446971293	0.0436269474	-0.0706398815	-0.0577872756
## 23	-0.0302879755	0.0093395573	-0.0280292601	0.0011426712	-0.0644021447
## 24	-0.0377467503	-0.0444846158	0.0003658270	0.0023753263	-0.0085965675
## 25	0.0165493726	0.0828449948	0.0054746573	-0.0158113039	-0.0456237399
## 26	0.0488043390	0.0446465477	0.0361851275	0.0092440942	0.0574258328
## 27	0.0219957455	0.0516772339	-0.0135952386	-0.0204812581	-0.0159612589
## 28	-0.0264870487	-0.0704438543	0.0161481625	-0.0128823336	-0.0482574683
## 29	0.0402963338	-0.0200221398	0.0737604047	-0.0047722360	-0.0132171621
## 30	-0.0503963780	0.0079233775	-0.0086163782	0.0520103546	0.0385264313
## 31	-0.0094859848	0.0155289546	0.0035295052	0.0434578960	-0.0115728917
## 32	-0.0299684098	0.0900935810	-0.0275228495	-0.0665568217	0.0167631592
## 33	0.0145357049	0.0284980525	-0.0097297222	-0.0271378035	0.0405314575
## 34	-0.0305764676	0.0215699471	0.0107530958	0.0296044685	0.0270671553
## 35	0.0763393815	-0.0664444930	-0.1221235559	0.0563267336	0.0408464899
## 36	-0.0296284833	-0.0063365350	0.0062504010	-0.0511800302	0.0066212799
## 37	0.1093205606	-0.0145965470	0.0523408440	0.0822003374	0.0217970698
## 38	-0.0344208201	-0.0021835724	0.0048515221	-0.0003755148	-0.0564772814
## 39	-0.0596691004	0.0026583434	0.0949791749	0.0058756532	-0.0044219349
## 40	0.0674460015	0.0095897705	-0.0293230495	0.0096108380	-0.0674622519
## 41	-0.0374292602	0.0098024854	-0.0096552845	0.0044056739	0.0303554569
## 42	-0.0116922586	-0.0173345218	-0.0374320845	0.0424226481	0.0306572469
## 43	0.0301006038	-0.0322931308	0.0055227683	0.0230353589	-0.0025305323
## 44	0.0103186908	-0.0597168004	0.0150269405	0.1075081241	0.0729534310
## 45	-0.0301118534	-0.0114539755	-0.0018623407	0.0161930845	-0.0282068676
## 46	-0.0552270152	-0.0125720367	-0.0186041385	0.0012268964	-0.0146080704
## 47	-0.0108956110	0.0972523694	-0.0068046172	-0.0829370067	0.0309232802
## 48	0.0592293333	-0.0782951133	0.0581718934	-0.0227027284	0.0667334977
## 49	0.0605649509	-0.0082826269	0.0084895634	0.0073392726	-0.0086899049
## 50	0.0558810085	-0.0017428657	0.0148973978	-0.0747390764	-0.0387250051

## 51	-0.0011028257	-0.0216021581	0.0194757615	-0.0401444647	0.0106558912
## 52	0.0441442033	0.0308553053	-0.0210205138	0.0170532000	-0.0189484585
## 53	0.0332611506	0.0153387411	-0.0018173041	-0.0095644786	0.0728216837
## 54	-0.0476358415	0.0441033562	0.0593963338	-0.0151121999	0.0230000250
## 55	0.0168188283	0.0122765941	0.0300287349	-0.0009761588	0.0132396645
## 56	0.0278233696	-0.0486627317	-0.0410564030	-0.0306253033	0.0279929167
## 57	0.0158147976	0.0607890647	0.0114205654	0.0193195310	0.0070762866
## 58	0.0297526810	0.0843962342	0.0162741852	-0.0214034845	-0.0006656847
## 59	0.0988125265	-0.0164267558	-0.0361397586	0.0525177957	0.0283622333
## 60	0.0376914118	0.0813901770	0.0114161915	-0.0059703932	-0.0096230085
## 61	-0.0338239767	-0.0283339973	0.0539398982	-0.0173280907	0.0870029691
## 62	-0.1028849238	0.0062433723	0.0493194147	0.0310769714	0.0012485992
## 63	0.0822914819	0.0437342870	0.0474549330	0.0203284921	-0.0564583482
## 64	0.0817551250	0.0039206996	0.0293000501	0.0063772209	-0.0347920709
## 65	-0.0236890930	0.0157646024	-0.0584360464	-0.0716370863	0.0334012816
## 66	-0.0126213924	0.0090571180	0.0008751668	0.0856932020	0.0319608559
## 67	-0.0466013636	-0.0418601073	0.0031670410	0.0185047421	0.0585131220
## 68	0.0077332172	0.0539036256	-0.0184202097	-0.0445043721	-0.0277141433
## 69	0.0353001946	0.0223507024	0.0664496288	-0.0431159005	0.0293020705
## 70	0.0737228994	0.0354503661	0.0427912330	-0.0625691192	0.0433505877
## 71	-0.0331236116	0.0752393612	-0.0132340870	-0.0442948850	0.0734344426
## 72	0.1393260075	-0.0066505915	0.0752216227	-0.0526107153	0.0954035110
## 73	0.0081079576	0.0191854344	0.0393535210	0.0758135997	-0.0449297870
## 74	-0.0171818340	0.0571534045	-0.0427682435	-0.0090864188	0.0086954294
## 75	-0.0208165280	0.0328560884	-0.0318308257	0.0308952627	0.0335158006
## 76	-0.0399115913	0.0027059254	0.0388968657	-0.0871436418	0.0211999667
## 77	-0.0242589887	-0.0351833444	0.0176461005	0.0012555855	0.0127216733
## 78	-0.0625368026	-0.0405574459	0.0067835785	-0.0036164027	0.0369216388
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## 80	-0.0439561810	0.0482592231	-0.0637983336	0.0540825110	0.0120775254
## 81	-0.0237654330	0.0604704377	0.0491871809	0.0354805635	-0.0182162103
## 82	-0.0211742062	0.0716788900	0.0421954396	-0.0395284446	-0.0040601215
## 83	-0.0451004574	-0.0321640793	-0.0114093937	-0.0014043562	-0.0175807085
## 84	0.0508250501	0.0436963306	-0.0291708584	-0.0540537418	0.0312536798
## 85	0.0137870396	0.0368010948	-0.0456796409	-0.0120411364	-0.0708770592
## 86	-0.0208528503	0.0035456771	-0.0709801386	0.0801282445	-0.0400956917
## 87	0.0633602311	0.0342513056	-0.0608849811	-0.0507659420	0.0273508485
## 88	-0.0349987314	-0.0872578964	0.0259690898	0.0102335219	0.0064077379
## 89	0.0008961151	0.0616699153	-0.0037668308	-0.0884290096	-0.0744309705
## 90	0.0656536663	0.0466942234	-0.0197867711	0.0576858289	-0.0012901976
## 91	-0.0498771114	0.0715316223	0.0273174164	0.0630370653	-0.0895081595
## 92	-0.0639317534	0.0336333215	-0.0847165611	0.0405372847	0.0121166381
## 93	-0.0219558308	0.0691504888	-0.0205259670	-0.0084001877	0.0105371145
## 94	-0.0259243996	0.0151349702	-0.0323005105	-0.0292711682	0.0324746201
## 95	0.0363071963	0.0429726184	-0.0274350395	-0.0161800317	0.0064949416
## 96	-0.0214844978	-0.1094895682	0.0392857550	-0.0077085234	0.0238623803
## 97	-0.0314346489	0.0140440488	0.0050499121	0.0032146822	0.0117995287
## 98	0.0027774331	-0.0766826569	-0.0146099297	-0.0612542759	-0.0669060166
## 99	0.0333775188	0.0020612645	0.0099557126	0.0425359937	0.0169252430
## 100	0.0524673975	0.0625419177	-0.0225147743	0.0381702892	-0.0166390064
## 101	-0.0650993298	0.0290840801	-0.0752103205	0.0080677521	-0.0609349739
## 102	-0.0539532535	0.0017069669	0.0250126698	0.0268230475	-0.0118950605
## 103	-0.0033162386	0.0058388385	-0.0506728849	-0.0210834704	-0.0198736955
## 104	0.0530492290	0.0676104567	-0.1053849286	-0.0511432520	-0.0031074762


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## 105 -0.0866789388 0.0556082166 -0.0110808142 -0.0617176448 -0.0712657603
## 106 0.0303175053 0.0096825430 0.0446522850 0.0138518702 0.0380903484
## 107 0.0345434282 -0.0248250648 0.0508826870 -0.1176624206 -0.0157909178
## 108 -0.0408414568 -0.0054202475 0.0564677117 -0.0037757724 -0.0665126594
## 109 -0.0325449250 0.1052596567 -0.0459855018 0.0629892264 -0.0102368459
## 110 -0.0533411194 0.0077711118 0.0297028036 -0.0453831318 0.0162833941
## 111 0.0525907717 -0.0174593555 0.0217093470 -0.0670272059 -0.0468033592
## 112 -0.0385093791 -0.0339265955 0.1027363102 0.0662382748 -0.0056611017
## 113 0.0009010813 -0.0201570543 -0.0369228973 0.1366095272 -0.0016277565
## 114 0.0886346917 0.0422344591 0.0107349890 0.0145164235 0.0441725146
## 115 -0.0421278395 -0.0108091197 -0.0340485583 0.0442525000 -0.0156159572
## 116 -0.0223798805 -0.0536914018 -0.0141509338 0.0697969760 -0.0090251438
## 117 0.0598115833 -0.0841003801 -0.0264655804 -0.0776524348 0.0017101685
## 118 -0.0243798381 -0.0949578395 -0.0538714583 -0.0643603600 -0.0532245928
## 119 0.0084127489 0.0198756568 0.0293313158 0.0227849419 0.1088542193
## 120 -0.0297954392 -0.0168034479 0.0262894618 0.0928857804 -0.0131175358
## 121 -0.0078809825 -0.0421370936 0.0940407574 -0.0246001473 -0.0170350750
## 122 0.0019482906 -0.0153711962 -0.0615021747 0.1653193311 -0.0243646064
## 123 -0.0959357393 0.0258065237 -0.0049020286 -0.0743148484 0.0029251820
## 124 -0.0002624687 -0.0854126666 -0.0082619814 -0.0803233734 0.0053645179
## 125 0.0247293866 -0.0048459524 -0.0165407748 0.0404020882 0.0240208766
## 126 0.0804865899 -0.0035229542 -0.0174236868 0.0214519457 0.0216986166
## 127 0.0544309379 0.0044664437 -0.0083294922 -0.0639984127 0.0173981086
## 128 -0.0570992434 -0.0111429930 -0.0532536366 -0.0281760116 0.0347709592
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## 130 -0.0710895102 -0.0592023875 0.0709443025 -0.0382611775 0.0392729807
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## 160 -0.0285676918 -0.0478064408 -0.0147194930 0.0523822755 0.0063661133
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## 182 0.0536987034 0.0238623249 -0.0222125149 -0.0103166020 0.0801696299
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## 184 -0.0467882681 -0.0022559420 -0.0613598002 -0.0004482067 0.0985993713
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## 188 0.0049409133 0.0101488712 0.0219201122 0.0008496949 0.0005224031
## 189 0.0688233953 -0.0335571009 0.0003239706 0.0445360113 0.0172442938
## 190 -0.0322512520 -0.0361720992 -0.0462230273 0.0206145713 -0.0089653669
## 191 0.0869127285 0.0045208630 0.0108760438 0.0095304935 0.0485735141
## 192 0.0360116917 -0.0186622851 0.0719848059 -0.1252987375 -0.0128494908
## 193 -0.0014432058 0.0666008256 -0.0897254956 -0.0261553918 0.0357301591
## 194 -0.0327351448 -0.0131246512 -0.0026520806 -0.0427005102 -0.0010535348
## 195 -0.0165641747 -0.0468302416 0.0140356486 0.1153062383 -0.0581730874
## 196 -0.0115635291 -0.0198342569 -0.0092161507 0.0470884783 -0.0482823861
## 197 0.0667413232 -0.0024875986 -0.0059241063 -0.0358721230 0.0841458786
## 198 0.0345436622 0.0011754878 -0.0035210874 0.0511040440 -0.0624315085
## 199 0.0454425957 -0.0569092662 0.0079875686 -0.0098764103 -0.0444885074
##          V106          V107          V108          V109          V110
## 1 6.715720e-02 1.056688e-01 -0.0609938135 -0.0810229853 -0.0914264249
## 2 -4.582878e-02 5.201295e-03 -0.0281897346 -0.0039148203 0.0534962600
## 3 5.082591e-02 -5.723653e-03 -0.0242314488 0.0807047574 -0.0365635305
## 4 -1.061271e-02 3.341585e-02 -0.0037169036 0.0482981945 -0.0107667102
## 5 1.201310e-03 -1.762072e-02 0.0551674698 0.0140521269 0.0343797271
## 6 7.278381e-02 3.456157e-02 -0.0518302785 -0.0468391585 -0.1018275525
## 7 -2.825300e-02 4.047947e-02 0.0262075268 -0.0450280025 0.0250219096
## 8 -7.329646e-02 5.970117e-02 0.0501705011 -0.0584305013 -0.0580256472
## 9 1.025034e-02 -1.827362e-03 -0.0242874343 0.0301314842 -0.0328827276
## 10 -7.058856e-02 -2.917387e-02 -0.0723788585 0.0044575507 -0.0222794106
## 11 2.957955e-03 -4.008919e-02 0.0024044728 0.0342553813 0.0274182787
## 12 -7.681000e-04 4.283436e-02 -0.0254704768 0.0810820097 -0.0183714953

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## 15	-2.744384e-02	-8.742716e-03	-0.0027588340	-0.1049119887	-0.0508021660
## 16	-2.622516e-02	8.747804e-03	0.0443425670	0.0641976318	-0.0231561297
## 17	-6.971920e-03	-6.001038e-02	0.0890435726	-0.0338770385	-0.0324408414
## 18	-1.153310e-01	-3.170884e-02	-0.0221676779	-0.0010060391	0.0009166327
## 19	3.345494e-02	1.066975e-01	0.0989747943	0.0209557744	-0.0076961473
## 20	5.566752e-02	-3.471505e-03	0.0058251939	-0.0370006358	0.0265809590
## 21	-3.102780e-02	6.569672e-02	0.0143241654	0.0724572650	0.0434801050
## 22	-2.326761e-02	-3.378275e-03	0.0646768798	-0.0205819087	-0.0189490776
## 23	4.443072e-02	9.681528e-02	0.0396511086	-0.0246076524	-0.0999213949
## 24	5.954698e-03	1.057369e-01	-0.0345565904	0.0635175295	0.0071566569
## 25	2.248734e-02	1.292368e-02	0.0536838211	0.0188732649	-0.0127387539
## 26	-1.809596e-02	5.180950e-02	-0.0287568120	-0.0262251663	0.0086194205
## 27	-6.971364e-02	-6.465276e-03	0.0480802604	0.0588852237	0.0120735947
## 28	3.592729e-02	4.724723e-02	0.0256266286	-0.0319174183	0.0386822519
## 29	4.719836e-02	-5.239379e-02	0.0118658403	0.0015579303	-0.0130546615
## 30	-1.678143e-02	3.293123e-02	0.0228133072	0.0300312394	0.0357254135
## 31	1.852085e-02	1.120077e-01	0.0104461282	-0.0361745640	-0.0341284847
## 32	6.437843e-02	-3.560261e-02	-0.0136296099	0.0243402515	0.0294848551
## 33	-5.096391e-02	-4.414718e-02	0.0525929992	0.0597237047	-0.0264481679
## 34	-7.390895e-02	5.778213e-02	0.0962576346	0.0017707789	0.0116631583
## 35	-8.061696e-02	-4.557862e-02	0.0235455145	0.0256450630	0.0015341289
## 36	-5.066785e-02	1.632304e-02	-0.0178794503	-0.0418899109	-0.0018937384
## 37	-8.620392e-03	1.690464e-02	-0.0684785722	-0.0692439200	-0.0610589080
## 38	-4.781325e-02	1.263463e-02	-0.0262600463	0.0076187425	-0.0054969751
## 39	-3.604111e-02	3.765999e-02	-0.0018212821	0.0546942542	0.0426273691
## 40	7.754037e-02	4.981832e-02	0.0056955580	-0.0185646173	0.0347274601
## 41	-6.164118e-02	2.285321e-03	0.0406655421	0.0922613687	0.0053431110
## 42	1.287794e-03	5.343616e-02	-0.0432952165	0.0270252942	-0.0465291675
## 43	-9.373612e-02	-1.999150e-02	0.0582877302	0.0321404994	-0.0153476930
## 44	9.503762e-02	-3.724617e-02	-0.0314150900	-0.0300499124	0.0124226262
## 45	-4.193869e-02	-2.414879e-02	-0.0155171612	0.0467207991	0.0420956758
## 46	-7.005045e-03	4.928054e-02	0.0060583014	-0.0593102939	-0.0078540026
## 47	-9.948447e-02	1.607085e-02	-0.0162332108	-0.0998386163	0.0824067925
## 48	-3.289932e-02	4.990913e-02	0.0451730454	-0.0592178698	-0.0243733201
## 49	-5.338353e-02	-1.011673e-01	0.0466677524	-0.0427480224	-0.0793642755
## 50	9.002054e-03	6.647037e-02	-0.0681330510	-0.0215218616	-0.0286105440
## 51	3.926491e-02	-8.431301e-03	0.0318259396	-0.0679836982	-0.0430188062
## 52	-2.890996e-02	-2.482490e-02	0.0637894156	0.0459007265	-0.0080293856
## 53	-2.750127e-02	-7.904132e-02	-0.0779582922	0.0207258738	-0.0390075408
## 54	-4.282050e-03	-3.169666e-03	-0.0219664259	-0.0002529393	-0.0394801905
## 55	1.209211e-02	6.052026e-02	0.0096786819	-0.0150629310	-0.0090420185
## 56	6.489676e-02	-8.358494e-02	-0.0061597080	-0.1200887575	-0.0282143353
## 57	2.009055e-02	1.462513e-02	-0.0571481648	0.0023300531	0.0415937255
## 58	-4.101987e-02	4.415946e-02	-0.0108590168	-0.0283875669	-0.0276007860
## 59	2.297924e-02	-5.954928e-02	-0.0689568686	-0.0027798318	0.0382602034
## 60	-3.035245e-02	-5.497235e-02	-0.0024938227	0.0944994750	-0.0042984755
## 61	-8.935901e-02	-6.532345e-03	0.0229330723	-0.0155066988	-0.0082242943
## 62	-2.348475e-03	-2.838922e-02	0.0118794334	-0.0495181365	0.0510990398
## 63	-3.011890e-02	-1.002747e-01	-0.1093959380	-0.0428000024	-0.0260774103
## 64	8.526464e-03	-5.687209e-03	0.0101278656	0.0074707009	-0.0393020374
## 65	-8.275022e-02	-4.415303e-02	0.0416316759	0.0074438162	-0.0045562206
## 66	5.547621e-03	-4.057743e-02	-0.0720513019	-0.0379489167	0.0086751066

## 67	-3.138015e-03	-6.702719e-02	-0.0695902926	0.0101492590	0.0581777933
## 68	-3.611608e-02	3.811890e-02	0.0410700034	0.0102944776	0.0164925920
## 69	-4.277849e-03	-4.326092e-02	0.0541141505	-0.0036144375	0.0246668573
## 70	5.434423e-02	-2.807005e-02	0.0383309274	-0.0225061647	-0.0207896820
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## 73	1.090850e-01	6.317358e-02	0.0323741650	-0.0286862227	-0.0131272042
## 74	1.481391e-02	4.991345e-02	-0.0209028304	0.0657357280	-0.0595220197
## 75	5.355744e-02	7.432538e-02	0.0485283612	0.0109887277	0.0917590171
## 76	5.988080e-02	1.276175e-03	0.0474097016	0.0053073998	-0.0629339107
## 77	6.719352e-03	-4.663728e-02	0.0097291056	0.0284853053	-0.0080742953
## 78	-2.846468e-02	-6.294600e-02	0.0007088139	0.0449310804	-0.0182779218
## 79	-5.867466e-02	3.643758e-02	-0.0008211300	-0.0026558000	0.0677373556
## 80	-2.777046e-02	-5.806979e-03	0.0051998966	0.0182506255	-0.0188815925
## 81	-1.361712e-03	-8.417036e-04	0.0477012515	-0.0363541206	-0.0565752048
## 82	1.897039e-02	3.516456e-02	-0.0038027691	0.0054293841	-0.0204547553
## 83	4.122710e-02	-3.996570e-02	0.0949080810	0.0128322721	0.0094189882
## 84	2.892766e-02	1.355642e-02	-0.0979173147	-0.0002454376	-0.0402011217
## 85	-1.192846e-01	4.816385e-02	0.0337033926	-0.0171456607	-0.0340384669
## 86	8.478640e-02	-1.058146e-01	-0.0296161516	-0.0209984868	0.0275533247
## 87	6.701223e-02	2.192562e-02	0.0986125288	0.0412660788	0.0307963331
## 88	3.321338e-02	3.289878e-02	0.0241115535	0.0148043076	0.0751707653
## 89	5.278856e-02	-9.104521e-03	-0.0177255879	-0.0034216639	0.0363426885
## 90	1.345311e-03	-5.961610e-02	-0.0278228369	-0.0254089014	0.0081372645
## 91	5.894202e-03	5.428959e-02	0.0025044279	-0.0090569682	-0.0644278791
## 92	-1.039855e-02	8.802119e-02	-0.0684725295	-0.0450020897	-0.0093193159
## 93	6.501658e-02	-2.220428e-02	-0.0820875132	0.0600876723	-0.0523404094
## 94	9.891702e-02	-3.139228e-02	0.0176051920	0.0668653121	0.0888848179
## 95	2.157264e-02	-2.833961e-02	0.0158543072	-0.0139594283	0.0009744800
## 96	6.918230e-02	-1.925516e-02	0.0237383530	0.0088452721	0.0838081693
## 97	2.113046e-03	-2.473120e-02	0.0380137235	-0.0091425960	0.0137277286
## 98	-3.899755e-03	-3.465298e-02	-0.0309955239	0.0166721185	0.0939822787
## 99	-3.982338e-02	2.085990e-02	0.0101230279	0.0379356675	0.0024584004
## 100	9.362785e-02	3.100435e-02	-0.0426810488	0.0555104352	-0.0360030476
## 101	-1.080714e-02	-6.806461e-03	-0.0372466826	0.0173091072	-0.0513447468
## 102	4.656330e-03	-5.045722e-02	0.0524356064	0.0103479795	0.0128524768
## 103	-3.636133e-02	-6.077485e-02	0.0202975568	0.0509834827	-0.0143549504
## 104	-9.531232e-02	2.057518e-02	-0.0072885418	-0.0634539764	0.0375537515
## 105	-1.058472e-02	-3.109041e-02	0.0057970294	0.0201317473	-0.0014326127
## 106	-9.992873e-03	-2.520596e-02	-0.0697027828	-0.0134738577	0.0076961414
## 107	-3.974777e-02	-6.884691e-02	0.0072550046	-0.0530548194	-0.0058113281
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## 109	1.408843e-02	3.200797e-02	0.0034450528	-0.1007966903	-0.0444111266
## 110	-2.748288e-02	-9.825297e-02	0.0028278128	-0.0037096511	0.0968650266
## 111	5.233361e-02	-3.809648e-02	0.0610019075	0.0277631426	0.0384040326
## 112	-4.670544e-02	-5.777433e-02	0.0064887315	-0.0110360103	-0.0490222727
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## 114	-3.513735e-03	-4.527252e-02	0.0074940421	-0.0723910469	-0.0963598182
## 115	5.918493e-02	2.346932e-02	0.1429192581	-0.0977621555	-0.0455066828
## 116	1.351032e-01	-4.421470e-02	0.0654423456	-0.0501371271	0.0077993349
## 117	6.867759e-02	-5.993539e-02	-0.0277950006	0.0358210099	-0.0603033374
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## 119	-3.533107e-03	-2.280701e-02	-0.0188207855	0.0218803167	0.0035016802
## 120	-5.120887e-02	1.871400e-02	-0.0064346746	-0.0321110561	-0.0133829144

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## 121 8.273177e-02 4.875589e-02 -0.0255262713 0.0032285611 -0.0092156871
## 122 2.283929e-02 7.407790e-03 -0.0169633267 0.0496710395 0.0445923762
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## 124 -6.356930e-03 4.440695e-04 -0.0280633834 -0.0168123814 -0.0622015236
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## 127 -1.038474e-02 -4.126576e-03 0.0206488138 0.0386753520 -0.0861018011
## 128 1.855937e-02 3.057598e-02 -0.0491909398 -0.0043233264 -0.0025142740
## 129 2.165118e-02 1.024837e-02 -0.0494840719 0.0148290853 -0.0157425239
## 130 -4.868686e-02 6.343820e-03 -0.0680875810 0.0425325424 -0.0171588037
## 131 -2.250548e-02 2.980156e-02 -0.0578210417 -0.0307554619 -0.0310591592
## 132 4.962056e-05 -4.685502e-02 -0.0212973372 0.0451839615 -0.0162821680
## 133 4.126803e-02 -6.576174e-02 0.0454505570 0.0312519063 0.0860896801
## 134 -4.531636e-02 3.747110e-03 0.0296018025 -0.0498603029 -0.0636910461
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## 147 4.560811e-02 6.447333e-03 0.0417696671 0.0366196738 0.0159279428
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## 161 -2.979958e-02 1.437050e-02 -0.0776438805 -0.0671411933 -0.0103853169
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## 166 6.831199e-02 -7.755362e-04 -0.0617498809 0.0441928453 0.0509095445
## 167 -7.486997e-02 9.854726e-03 -0.0059516192 -0.0251933441 -0.0274577848
## 168 6.965681e-02 7.600828e-02 -0.0370764756 -0.0340491788 0.0097444718
## 169 -4.485661e-02 6.923521e-05 -0.0443549222 -0.0125128233 0.0488725599
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## 174 1.084307e-02 -1.614227e-02 0.0150496506 0.0236458175 0.0455320235

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## 175	1.328696e-01	-3.406686e-02	-0.0097235389	-0.0379433258	0.0257700553
## 176	3.859287e-02	-1.836719e-02	0.0087438696	0.0009772461	0.0336193193
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## 184	8.683199e-04	8.705547e-02	-0.0903190849	-0.0957928726	0.0107946583
## 185	-2.276323e-02	2.905087e-03	0.0607421444	-0.0362289162	0.0022961299
## 186	2.254925e-02	-2.490011e-02	0.0811343990	0.0322532122	-0.0751708742
## 187	-6.109348e-02	-4.055241e-02	0.0123734980	0.0001129176	0.0409056498
## 188	-4.140117e-02	2.830492e-02	-0.0235178086	-0.0036808633	0.0112883029
## 189	-2.896633e-02	-4.260666e-02	-0.0700713083	0.0457593346	-0.0299247285
## 190	-5.418494e-02	4.054306e-02	0.0021869911	-0.0156456648	0.0613171308
## 191	-4.224454e-03	7.146711e-03	-0.0186182022	-0.0484371609	-0.0386539634
## 192	-1.054689e-02	2.251755e-02	0.1467019674	0.0157489857	0.0573160190
## 193	1.051963e-01	7.321359e-02	0.0459573996	-0.0059359168	-0.0442097738
## 194	-2.804812e-02	1.228170e-02	-0.0933133718	0.0137056282	0.0425845706
## 195	4.879345e-02	-5.528418e-03	0.0039849509	0.0574894245	0.0051084127
## 196	3.116111e-02	2.318231e-02	-0.0388566516	0.0444835525	0.0416355200
## 197	2.196379e-02	2.543613e-03	0.0324085932	-0.0542129857	0.0362610520
## 198	-1.921491e-02	1.112595e-02	0.0219814037	0.0689410748	-0.0051841929
## 199	5.985405e-02	7.169986e-02	-0.0301858396	-0.0036360556	0.0713368183
##	V111	V112	V113	V114	V115
## 1	0.0402142491	0.0129856528	-0.0071729310	-8.636663e-02	-0.0013929806
## 2	0.0347066650	-0.0209312132	-0.0148825662	2.806412e-02	0.0144582915
## 3	-0.0729896972	0.0021041386	0.0375772274	-5.424234e-02	0.0236758665
## 4	0.0981080046	-0.0116011438	-0.0423207318	-4.072747e-02	0.0056519921
## 5	-0.1534668897	-0.0314671130	-0.1027479481	-4.930104e-02	0.0619558366
## 6	0.0156975949	-0.0825846536	0.0001666700	1.995605e-02	-0.0592405114
## 7	-0.0060759269	0.0735300320	0.0157859708	-1.510660e-02	0.0679803532
## 8	-0.0333109062	0.0140132973	0.1177229961	-3.768098e-02	-0.0032881749
## 9	0.0921536657	0.0701274344	-0.0450705117	2.990579e-02	0.0402536646
## 10	0.0202575378	-0.0926936889	-0.0876345929	4.356314e-02	-0.0591928019
## 11	-0.0291313234	-0.0014557363	-0.0395610865	4.342294e-02	0.0615507288
## 12	-0.0029977368	0.0501287072	0.1230160148	-1.343058e-02	-0.0363479485
## 13	-0.0174639122	-0.0287582522	0.0247064898	2.708496e-02	0.0160948160
## 14	-0.0125124831	0.0002131604	-0.0553055210	3.870932e-02	-0.0695884774
## 15	0.0042539645	-0.0539739235	-0.0746420711	-3.302471e-02	-0.0059146594
## 16	-0.0121787418	-0.0253117751	-0.0293993494	-6.662704e-02	-0.0390524449
## 17	0.0310261871	-0.0101748569	-0.0709181542	-3.807200e-02	0.0050163970
## 18	0.0443375080	0.0067684132	-0.0334908755	-2.366858e-02	-0.0332919858
## 19	0.0360205781	-0.0042949456	-0.0559474000	-2.176368e-02	0.0022654685
## 20	0.1082228429	-0.0736642375	0.0223710139	-3.792943e-02	-0.0210183573
## 21	-0.0033130701	-0.0402919949	-0.0024306946	-1.430647e-02	0.0281332138
## 22	-0.0454751549	-0.0158557613	0.0348321466	2.648882e-02	-0.0258766660
## 23	-0.0719710094	-0.0239303123	-0.1011276673	2.980091e-02	-0.0248151803
## 24	0.0570902151	-0.0146061154	-0.0235888702	-6.654530e-02	0.0188256522
## 25	-0.0374903438	-0.0158280936	0.0709566346	-5.386828e-02	0.0335478911
## 26	-0.0186519900	-0.0658313380	-0.0322465337	3.259205e-02	-0.0522821812
## 27	0.0356268162	-0.0646043943	-0.0742815457	5.736629e-02	0.0751775406
## 28	0.0745381183	-0.0431553340	-0.0811697123	4.470160e-02	0.0276778116

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## 29 -0.0362227676 -0.0141832533 -0.0082144109 -3.789757e-02 0.0037858974
## 30 -0.0244672918 -0.0260941057 -0.0808874764 5.043666e-02 -0.0056018816
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## 32 0.0043719474 -0.0279601795 0.0929970751 1.653232e-02 -0.0756113722
## 33 0.0870960669 -0.0576090897 -0.0193187279 2.855949e-02 0.0118059923
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## 35 0.0617937368 -0.0073582583 0.0537948777 1.654432e-02 -0.0585794324
## 36 -0.0179132138 -0.1060590854 0.0099136839 -1.229392e-02 0.0720605362
## 37 -0.0413924621 -0.0635743873 -0.0109206867 -8.993282e-02 0.0197500845
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## 40 -0.0780626414 -0.0128138142 -0.0458184049 -2.513308e-02 -0.0854742140
## 41 -0.0415357345 0.0655793676 0.0268746380 4.973272e-02 -0.0813702255
## 42 -0.0332881935 -0.0303111251 -0.0632305790 -3.415164e-02 -0.0066251703
## 43 0.0061282491 -0.0989661441 -0.0770600939 8.739768e-03 -0.0631457194
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## 45 -0.0120812441 0.0469439541 -0.0041305187 -8.996967e-03 -0.0244442858
## 46 0.0055712615 -0.0646671145 0.0113695529 -2.962150e-03 -0.0357129297
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## 48 -0.0627763020 -0.0422869980 -0.0269295940 7.825192e-02 -0.0048496832
## 49 0.0495122057 -0.0727540782 -0.0158374280 1.444071e-03 0.0337706663
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## 53 -0.0414064307 0.0204437713 -0.0004947039 9.431326e-02 -0.0549631918
## 54 0.0564703195 0.0469184667 0.0725942049 3.336168e-02 -0.0320034864
## 55 -0.0203295390 -0.0057825495 -0.0265724971 2.780398e-02 -0.0036724730
## 56 0.0337160296 0.0634649625 -0.0074717323 7.156389e-03 0.0055091785
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## 59 -0.0212748186 0.0808692715 0.0065373758 3.349906e-02 0.0619028018
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## 61 -0.0745908052 0.0114752368 -0.1004876882 6.812182e-02 -0.0657753979
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## 64 -0.0066642884 -0.0359599016 0.0293064793 -2.773074e-02 0.0068859176
## 65 0.0052182889 0.0349700073 -0.0147106151 -2.898241e-02 -0.0821296897
## 66 -0.0014484014 -0.0049836233 -0.0106467206 -5.936685e-02 -0.0863414816
## 67 0.0711487938 -0.0831072965 0.0204277092 -5.367427e-02 -0.0535005578
## 68 -0.0520405178 0.0642771887 -0.0352747031 -4.205743e-02 0.0022030686
## 69 -0.0455119640 -0.0722974222 0.0173530116 1.219466e-01 -0.0445606537
## 70 0.0828003766 -0.0670041544 0.0228144342 4.301743e-02 0.0124396838
## 71 -0.0483666181 -0.0065562850 0.0691938380 4.018399e-02 0.0494535001
## 72 0.0010963197 0.0207208145 -0.0456938713 1.914927e-02 0.0360631327
## 73 0.0423402722 -0.0097214566 -0.0836719008 3.223765e-02 -0.0149953355
## 74 0.0196362438 0.0385609876 -0.0078566237 -7.422525e-02 0.0860290787
## 75 -0.0458626121 0.0479196306 -0.0169647815 -3.878446e-02 -0.0376675330
## 76 0.0357891693 -0.0241620765 0.0603648145 3.103064e-02 0.0280883792
## 77 -0.0300191858 -0.0725878546 0.0819467564 -6.358660e-02 0.0074688007
## 78 -0.0302897087 0.0317294460 0.0535018298 3.233513e-02 -0.0514854080
## 79 -0.0071264451 0.0111286005 0.0075811597 -7.924444e-02 -0.0802293930
## 80 0.0669211078 -0.0519889268 -0.0015183721 7.552306e-02 0.0368524713
## 81 -0.0184945152 0.1488612910 0.0103579185 -2.577317e-02 -0.0320937582
## 82 -0.0885573673 -0.0368856172 0.0686530701 4.782512e-02 -0.0315710018

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## 83	0.0168161638	0.0101839628	0.0216923899	-1.985981e-02	-0.0237981729
## 84	0.0262927449	0.0218639577	-0.0012407001	-5.485894e-02	0.0162047151
## 85	-0.0623134277	-0.0123573475	-0.0367156024	-5.391443e-02	0.0069595287
## 86	0.0557592769	0.0078801871	0.0333598013	-2.067050e-02	0.0156122170
## 87	0.0592925497	0.0360734813	0.0585212746	2.125093e-02	0.0064907839
## 88	0.0385984028	0.0622651815	0.0209220361	-7.868045e-02	0.0553191708
## 89	-0.0274758484	0.0220044743	0.0313051358	-6.331956e-02	0.0342617669
## 90	0.0302881237	0.0456708951	-0.0399774023	1.291534e-02	-0.0259723277
## 91	0.0643766183	-0.0575652523	-0.0470017236	-6.759767e-02	0.0405761705
## 92	0.0002983045	-0.0083477494	0.0511642605	-7.057150e-02	0.0579902538
## 93	-0.0085874893	-0.0592085040	0.0056806676	-2.403720e-02	0.0349102043
## 94	-0.0622355173	-0.0750095100	-0.0459245831	-3.078465e-02	-0.0199515203
## 95	0.0345237864	-0.0339309471	-0.0401011762	-3.895106e-02	-0.0761793496
## 96	0.0200942715	-0.0072645806	-0.0049928435	3.532494e-02	-0.0382807137
## 97	0.0249640242	-0.0024700368	0.0109515978	3.930064e-02	0.0727736170
## 98	0.0352160063	-0.0544597658	-0.0193106252	9.075136e-03	-0.0519905857
## 99	0.0385805760	0.1036013088	0.0097366897	-1.382619e-02	0.0538036014
## 100	0.0026302567	-0.0568367893	0.0650699745	4.553860e-02	0.0422663586
## 101	-0.0495310285	-0.0177532713	-0.0669277555	-4.873782e-02	0.0340828088
## 102	0.0641116079	-0.0654931096	-0.0177254184	-6.633838e-03	-0.0414010433
## 103	0.0591616905	0.0119884304	-0.0417425967	-9.433752e-02	0.0170905377
## 104	0.0551576780	-0.0356658242	0.0375158660	4.139941e-02	-0.0110511710
## 105	0.0355010335	0.0031696773	-0.0220043663	-3.475059e-02	-0.0499063471
## 106	-0.0743905096	-0.0517086658	-0.0340930366	-7.791151e-03	0.0600524741
## 107	-0.0521027790	-0.0376039900	0.0059150192	2.198868e-02	0.0538414484
## 108	0.0248925545	-0.0913701305	-0.0013411353	2.229407e-02	0.0139702716
## 109	0.0416034279	-0.0819277792	0.0268031836	3.062618e-02	0.0494855563
## 110	-0.0340864169	-0.0272354223	0.0751031990	-1.027247e-02	-0.0182496067
## 111	0.0718089711	0.0191689003	-0.0398962584	-9.475237e-02	-0.0497576210
## 112	-0.0773296691	-0.0209962523	-0.0007101964	2.099026e-02	-0.0229171379
## 113	0.0017882327	0.0711369631	-0.1033998765	-3.244711e-02	-0.0080293734
## 114	0.0786442615	-0.0266705706	-0.0190749700	9.386346e-03	-0.0079905244
## 115	-0.0161920433	-0.0017580136	0.0636535251	-3.506034e-02	-0.0128351351
## 116	-0.0210478922	-0.0476767162	-0.0033205246	6.809378e-02	-0.0119695776
## 117	-0.0005038567	0.0150288207	-0.0130596332	1.161577e-02	-0.0051023941
## 118	0.0240398767	0.0389029482	-0.0111988801	-3.217978e-02	-0.0064188057
## 119	0.0551764437	-0.0299322632	-0.0213251767	6.818635e-02	-0.0561207589
## 120	0.0343548510	0.0440174391	0.0134958583	-2.552960e-02	-0.0188357575
## 121	0.0207830620	0.0298661407	-0.0678099487	-1.949667e-02	0.0338766359
## 122	-0.0321475308	0.0168709091	0.0638597549	2.676840e-02	-0.0393942830
## 123	0.0103470784	0.0475295476	0.0288935772	9.386120e-04	0.0441748714
## 124	-0.0662023418	-0.0212796764	0.0258876419	3.703627e-02	0.0084597893
## 125	-0.0188350626	-0.0215415051	-0.0078381772	8.544144e-02	0.0001148820
## 126	0.0467503538	-0.0190941464	0.0126260831	-2.441474e-03	0.0464753885
## 127	0.0148712210	-0.0397423882	0.0410615789	-4.965476e-05	-0.0059666263
## 128	-0.0406603214	0.0220094317	-0.0275122866	-2.862160e-02	-0.0320945334
## 129	-0.0192211722	0.0011864926	-0.0300477112	-2.600944e-02	0.1025945720
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## 131	-0.0578000420	-0.0257383873	-0.0637882029	-1.788914e-02	0.0329711115
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## 134	0.0650325650	-0.0356396213	-0.0250510474	-4.875187e-02	-0.0956020728
## 135	-0.0036472253	0.0469871826	-0.0581229523	-5.406203e-02	0.0053040856
## 136	0.0012410566	-0.0022623353	-0.0135545086	-3.424202e-03	0.0122542228


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## 137 -0.0222308205 -0.0468351480 0.1119454767 -5.112488e-02 -0.0161310526
## 138 -0.0686357124 -0.0247341384 0.0570141186 4.960199e-02 -0.0469442422
## 139 -0.0421797692 0.0274302701 -0.0985948382 -2.501901e-03 0.0343337651
## 140 0.0147327825 -0.0190416283 0.0133849326 -6.018557e-03 0.0486762792
## 141 0.0274295318 0.0170984077 -0.1119408841 -3.710937e-02 -0.0090298511
## 142 -0.0242388906 -0.0647545329 -0.0623959499 1.176693e-02 0.0025354775
## 143 -0.0367649050 -0.0014309005 -0.0461320782 4.181969e-02 0.0497024718
## 144 -0.0241872572 -0.0471727163 -0.0784518924 7.850809e-02 -0.0897120986
## 145 0.0068466204 -0.0691393144 0.0723538107 -1.256488e-02 0.0384935912
## 146 0.0062248739 0.0213319653 0.1241497723 1.125782e-02 0.0549702468
## 147 -0.0178879186 0.0367948661 0.0858471637 5.021209e-02 -0.0162388001
## 148 0.0278770897 -0.0047455632 -0.0648648759 7.123789e-02 -0.0125372318
## 149 0.0424619720 -0.0522646575 -0.0020593292 2.246819e-02 0.0120543796
## 150 0.0087590833 0.0434167127 -0.0248464634 4.161165e-02 -0.0668617861
## 151 -0.0069483187 0.0156170803 0.0216137048 -3.665668e-03 -0.0338182468
## 152 0.0688090674 -0.1248676016 0.0812870642 2.988144e-02 -0.0113201770
## 153 0.0076323136 0.0217806409 -0.0224482121 -9.319422e-03 0.0463593415
## 154 0.0241148532 0.0535472747 0.0248991774 6.405297e-02 0.0161904546
## 155 0.0305841219 0.0673646497 -0.0343429627 8.193807e-02 -0.0345615645
## 156 -0.0386429442 -0.0391678470 -0.0069374212 5.731730e-02 0.0436725501
## 157 0.0263281591 -0.0040015776 0.0211543987 -2.461135e-02 -0.0307393231
## 158 0.0681997611 -0.0385009268 -0.0337551387 1.238016e-01 -0.0110462748
## 159 0.0485680283 -0.0282026722 -0.0144206963 5.105478e-02 0.0311919187
## 160 0.0033233209 0.0233643342 0.0193695432 -2.367443e-02 -0.0441135874
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## 162 -0.0001623142 0.0226213267 0.0756930234 -1.091106e-02 0.0376019500
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## 164 0.0195380135 0.0281071405 0.0053022592 -4.256800e-02 -0.0582665807
## 165 -0.0438931377 -0.0463664102 -0.0497942606 7.715789e-02 0.0014958331
## 166 0.0543555738 -0.0275029556 -0.0031115258 6.549633e-02 0.1101074231
## 167 0.0137374552 -0.1090624262 -0.0322046705 2.016122e-02 -0.0197490289
## 168 -0.0597186326 -0.0810458933 -0.0695189056 -6.097071e-02 -0.0052514532
## 169 -0.0301478738 -0.0306386114 -0.0408369521 -3.192896e-02 0.0515295997
## 170 -0.0016707058 0.0179533813 0.0300504769 -1.374847e-03 0.0407596623
## 171 0.0730180567 -0.0375782358 -0.0543579804 -1.485422e-02 -0.0289254792
## 172 0.0441998110 0.0604351316 -0.1086400605 3.138792e-03 -0.1304027452
## 173 -0.0068128429 -0.0154144635 0.0561199692 -7.883262e-03 0.0253654787
## 174 0.0121019463 0.0502359227 0.0494082463 1.620484e-02 -0.0182706951
## 175 -0.0075943257 -0.0269483737 0.0074397505 -4.201269e-02 0.0070414529
## 176 -0.0247543922 0.0292283346 0.0292875969 -2.132820e-02 -0.0913905746
## 177 0.1177651247 -0.0401140059 -0.0367262586 1.880492e-02 0.0361299877
## 178 0.0137296663 -0.0449607729 0.0373029713 6.294285e-02 0.0327071548
## 179 -0.0086063092 0.0089765120 0.0539459152 -3.019822e-02 0.0078493198
## 180 -0.0040654832 -0.0492042191 -0.0087991393 -7.225597e-02 -0.0618785265
## 181 -0.0551385961 -0.0206290789 0.0445458206 5.485487e-02 -0.0129173009
## 182 -0.0217528486 -0.0703784786 0.0326005905 -8.937781e-02 -0.0058029549
## 183 -0.0350405025 -0.0600748232 0.1209610177 -1.595111e-02 0.0004273337
## 184 -0.0434529116 0.0343862171 0.0209411894 4.044743e-02 -0.0188873359
## 185 0.0182730597 0.0199751373 -0.0262590010 4.169741e-02 0.0084762794
## 186 0.0104524213 -0.0758956975 -0.0861240686 -6.210329e-04 -0.0320954066
## 187 0.0503309119 0.0082420883 -0.0156438993 -2.012506e-02 -0.0566976170
## 188 0.0135759367 0.0047597232 -0.0834311597 5.770251e-03 -0.0581185895
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## 191	-0.0825782359	-0.0308272042	0.0882529023	-4.295424e-02	0.0223474824
## 192	0.0398315965	0.0689370118	-0.0418256866	7.224417e-02	-0.0761173597
## 193	-0.0489428354	0.0616190935	0.0012968847	3.053511e-02	0.0013957383
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## 197	-0.0291797200	0.0268115320	0.0074950983	4.853663e-02	0.0305974516
## 198	0.0714669424	-0.0580716241	0.0064636931	1.079670e-01	0.0209090770
## 199	0.0412169519	-0.0240101773	0.0549624158	-3.037663e-03	0.0714882465
##	V116	V117	V118	V119	V120
## 1	-0.0041444677	-1.065574e-03	3.698720e-02	0.0508611748	2.411769e-02
## 2	0.0151352793	-3.923982e-02	3.089301e-02	-0.0441996527	1.844581e-02
## 3	-0.0424464522	2.673453e-02	-2.467406e-03	0.1139171976	-2.049803e-02
## 4	-0.0179336842	2.407597e-02	7.168569e-02	0.0077590260	-6.137620e-02
## 5	0.0285820129	1.564187e-02	1.677975e-02	0.0669655442	2.107091e-02
## 6	-0.0552829097	-1.706047e-02	3.894303e-02	-0.0662081490	9.416523e-02
## 7	0.0755296770	1.235577e-02	4.962066e-02	-0.0379297781	7.404707e-03
## 8	0.0192846306	-3.913791e-02	3.956602e-02	0.0542102295	3.454410e-03
## 9	-0.0197061130	1.715931e-02	-3.758359e-02	0.0736726854	-3.243634e-02
## 10	-0.0342354272	6.785289e-02	1.348540e-02	0.0364152269	-5.244506e-02
## 11	-0.0581538694	-2.724770e-03	-3.778034e-02	-0.0427268665	-4.384926e-02
## 12	-0.0433094194	-3.298026e-03	-5.197088e-02	-0.0112691581	-9.379647e-03
## 13	0.0226548842	1.145448e-02	-4.902481e-02	0.0471332281	-6.279140e-02
## 14	-0.0695498473	7.457676e-02	6.277129e-03	-0.0126724858	-4.041095e-02
## 15	0.0116143619	-4.820716e-02	-2.731677e-02	0.0083238359	-5.941516e-03
## 16	0.0006499181	-1.248469e-02	3.174035e-02	0.0198136258	-4.763175e-02
## 17	0.0237786940	-5.777340e-02	3.952483e-02	0.0694565566	-3.684841e-02
## 18	0.0160033398	1.443703e-02	6.313761e-02	-0.0228418439	-3.057468e-02
## 19	0.0087458022	-4.824637e-02	1.524772e-02	-0.0177509739	-5.083667e-02
## 20	-0.0099403246	-1.231186e-02	2.805724e-02	0.0220091869	-5.246561e-02
## 21	-0.0270851677	5.519683e-02	-4.426458e-02	-0.0280267238	-5.615924e-02
## 22	-0.0155116730	1.990736e-02	1.960971e-02	0.0724307355	4.337864e-03
## 23	-0.0032705121	7.314607e-02	-3.283206e-02	0.0317983352	1.832779e-02
## 24	0.0287605455	3.793128e-02	-7.102724e-02	-0.0856520148	-1.644139e-02
## 25	-0.0060058869	-2.788326e-02	-3.238678e-02	0.0269447874	4.609302e-02
## 26	0.0743377072	2.392236e-03	5.485014e-02	0.0187984255	-3.727746e-03
## 27	-0.0567719548	3.367321e-02	-3.595944e-02	0.0363121745	3.789536e-02
## 28	0.0392221845	3.286947e-02	-7.260362e-03	-0.0189828199	-6.100736e-03
## 29	-0.0070183909	-3.763301e-02	9.058254e-03	0.0236492652	-5.251226e-02
## 30	-0.0054350005	1.399005e-03	4.195310e-02	0.0002804761	6.855355e-02
## 31	0.0018696486	-4.393524e-03	-1.246357e-03	-0.0218432328	9.713291e-03
## 32	-0.0542959443	4.352162e-02	-5.762627e-03	-0.0044203329	-3.082582e-02
## 33	-0.0197418770	-4.332500e-02	5.731725e-02	0.0285744633	-2.071272e-02
## 34	0.0150776571	-6.892911e-02	-5.008029e-02	-0.0313130863	-4.651815e-02
## 35	0.0557892149	-3.337021e-02	-6.302970e-02	0.0385411708	5.693143e-02
## 36	0.0394782104	2.671698e-02	1.341328e-02	0.0072485671	8.840642e-02
## 37	-0.0416880415	2.180352e-02	-5.544611e-03	0.0102750740	-3.271249e-03
## 38	0.0646794756	1.589669e-02	3.944569e-02	-0.0363692114	-7.046627e-02
## 39	-0.0031941462	-1.790404e-02	-1.940181e-02	0.0442841739	7.156958e-02
## 40	0.0061663192	1.557911e-02	-5.307765e-02	0.0013625304	1.191225e-02
## 41	0.0283726223	-2.877880e-02	-2.813857e-03	0.0224969729	-8.911709e-04
## 42	0.0275102374	5.845276e-02	-3.456098e-02	0.0730347841	2.622072e-02
## 43	0.0095678781	-3.898385e-02	-1.089021e-02	-0.0911226704	-1.759863e-02
## 44	0.0156618357	4.904483e-02	-5.069295e-03	-0.0081059700	6.614864e-02

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## 45  0.0452054072  1.124042e-02  5.993265e-02  0.0354575070 -2.366107e-02
## 46  0.0138791687 -3.883007e-02  1.637976e-02 -0.0333717292  2.356467e-02
## 47 -0.0840464798  5.764008e-02  1.108766e-02 -0.0312908963 -1.971296e-02
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## 50  0.0124854442  9.534462e-02  5.273375e-02 -0.0146455350 -3.703106e-02
## 51 -0.0999920448 -5.384121e-02  1.060930e-02  0.0893853058  5.956152e-02
## 52 -0.0001152021  8.784499e-02 -1.141860e-02  0.0890062456  3.945571e-03
## 53  0.0123646011 -9.759038e-04 -3.396133e-02  0.0010608893 -2.904165e-02
## 54 -0.0622810380  5.215151e-02  3.166636e-02  0.0313333930 -8.703090e-02
## 55 -0.0260782827  3.990919e-02  8.081341e-02  0.0033575005  1.453957e-02
## 56  0.0729472862  4.289151e-02  5.137735e-02 -0.0110467178 -2.166507e-02
## 57  0.0183470594  7.749851e-03 -2.139134e-02 -0.0826655356 -3.265234e-02
## 58  0.0389323351 -2.998543e-02 -2.059431e-02 -0.0578507647  2.148569e-03
## 59  0.0231005046 -2.373849e-02 -5.106140e-02 -0.0708203733  7.668723e-02
## 60  0.0578974373 -1.600045e-02  1.149880e-02 -0.0023174417  5.377270e-02
## 61  0.0020178166  2.189908e-02 -3.411144e-02 -0.0485407369 -1.593648e-02
## 62  0.0466500570  9.426020e-03  5.863627e-03  0.0614235636  5.248369e-02
## 63 -0.0041370957 -4.119353e-02 -4.759824e-03 -0.0415926417  1.176117e-02
## 64 -0.0636206484  3.136108e-02  1.091461e-01  0.0490102919  8.151230e-03
## 65 -0.0339876799 -8.882191e-02  7.328536e-02  0.0111236875  5.105827e-02
## 66  0.0460168217  5.369274e-03  3.771317e-02  0.0924638010 -2.294044e-02
## 67  0.0008982094 -4.448009e-02 -5.304433e-02  0.0202086425 -1.745188e-02
## 68 -0.0469902759 -5.469236e-02  4.008990e-02  0.0556404129  1.290847e-02
## 69  0.0620231953 -8.475067e-02 -1.035441e-01 -0.0313434408 -3.800365e-02
## 70  0.0378929024  1.388244e-02  1.661327e-02  0.0237341070 -3.102869e-02
## 71 -0.0224113571 -7.134023e-02  2.578556e-02  0.0309407887 -4.601131e-02
## 72 -0.0464364864 -6.917693e-02 -2.045134e-02 -0.0364571406 -1.538785e-02
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## 74 -0.0344373962 -2.528278e-02 -6.197229e-03  0.0746942385 -1.270062e-02
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## 76  0.0018539562  5.152254e-03  5.107159e-03 -0.0361835061 -2.079642e-02
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## 82 -0.0115140288  7.231719e-02  8.437174e-02 -0.0656059093 -2.012152e-02
## 83 -0.0389272882  2.890475e-02 -2.460707e-02 -0.0608356463  1.466970e-02
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## 90  0.0354710827  4.156898e-02 -8.118076e-02  0.0248647711 -3.210616e-02
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## 92  0.0391362214  5.271554e-02 -1.756527e-03 -0.0182736206 -3.193573e-02
## 93 -0.0205393157 -2.214635e-02 -6.751668e-02 -0.0558644598  7.269512e-02
## 94  0.0122903588  3.186292e-02 -8.284501e-05 -0.0112905987 -3.177230e-03
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## 100 0.0313287824 1.401087e-02 5.550967e-02 0.0164371007 6.968054e-02
## 101 0.0135311145 4.221974e-02 3.793047e-02 0.0642942263 3.764586e-02
## 102 -0.0572321585 6.513700e-02 4.333838e-02 -0.0543411334 2.846631e-02
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## 104 -0.0277670366 -8.548249e-02 -5.858914e-02 -0.0202949660 -2.924118e-02
## 105 0.0562056202 1.020174e-01 -1.752592e-02 -0.0022991036 -5.814855e-02
## 106 0.0377169394 3.380837e-02 -3.072836e-02 0.0177371469 1.739745e-02
## 107 -0.0549551487 -2.923239e-02 3.375753e-02 -0.0361431982 3.739257e-03
## 108 -0.0516930233 4.172821e-02 -5.666484e-02 0.0109028335 3.302317e-02
## 109 -0.0133200971 -8.814119e-03 -6.718133e-03 0.0269635428 -3.360515e-02
## 110 0.0478239818 8.101179e-02 -4.652783e-02 -0.0142670221 -4.761609e-02
## 111 0.1133618280 -3.717781e-02 -1.196101e-02 0.0761504721 4.204590e-02
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## 113 -0.0273131003 3.622150e-02 -1.449074e-02 0.0261559322 -1.496946e-03
## 114 -0.0418891288 -4.980549e-02 1.036114e-02 0.0008287430 -4.452873e-02
## 115 -0.1083111433 -6.395321e-02 -4.252655e-02 0.0390782767 1.075332e-02
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## 117 0.0580111762 3.523918e-02 -4.075540e-02 -0.0735727058 6.289985e-02
## 118 -0.0301670313 4.308875e-02 -1.059943e-04 0.0573842377 -1.363886e-03
## 119 0.0646245411 -3.016999e-02 -1.070995e-02 0.0078580145 5.674283e-02
## 120 0.0271024290 -9.304957e-05 2.779655e-02 -0.0011901923 1.709622e-02
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## 156 0.0545801172 2.699432e-02 2.043524e-02 -0.0372096660 9.217745e-02
## 157 0.0506116493 4.417838e-02 -3.831413e-02 -0.0642308750 3.182987e-03
## 158 0.0073491794 2.827892e-02 1.355870e-01 0.0808746958 -6.120133e-02
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## 172 0.0184139332 -4.264268e-02 3.721651e-02 -0.0207071643 -8.177297e-02
## 173 0.1181794490 -1.573171e-02 1.684325e-02 0.0272062122 2.310176e-02
## 174 0.0239923539 -5.831298e-02 4.989645e-03 0.0733622627 -4.811345e-03
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## 177 0.0264830577 2.626772e-02 2.146652e-02 0.1035699147 -7.313071e-02
## 178 -0.0075337576 -4.252463e-02 -5.284375e-02 0.0660296231 3.659537e-02
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## 184 -0.0283287433 5.785293e-02 1.255893e-01 -0.0124883033 -7.262530e-02
## 185 0.0658266820 1.320517e-02 -4.624763e-02 0.0128695542 -3.653752e-02
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## 188 0.0751065744 -2.488018e-02 6.897343e-02 0.0084450959 1.479974e-02
## 189 -0.0051923809 6.869095e-02 3.810555e-02 0.0167492640 -5.962761e-02
## 190 -0.0287537100 -6.556721e-02 -5.346848e-02 0.0074928065 -7.011696e-03
## 191 0.0108435062 8.896986e-03 -7.077783e-02 -0.0181634228 4.413322e-02
## 192 0.0587905023 3.754659e-02 7.568661e-02 -0.0202706872 -6.725313e-02
## 193 -0.0342061491 5.954888e-02 -4.189313e-02 -0.0306927450 6.027836e-02
## 194 0.0387664402 -6.386119e-02 -8.757109e-02 0.0429233850 5.950260e-02
## 195 0.0109990133 4.613111e-02 2.902282e-03 0.0191520545 -1.927075e-02
## 196 -0.0503700784 -3.156103e-02 -1.651299e-02 0.0384804064 1.434930e-02
## 197 -0.0055662999 2.365597e-03 8.424275e-03 -0.0556884685 -3.082638e-04
## 198 -0.0137606540 -1.407560e-02 2.757135e-02 -0.0097965022 2.783121e-02
## 199 -0.0767320114 -2.544948e-02 -6.828715e-02 0.0126025430 1.028558e-03
##          V121          V122          V123          V124          V125
## 1  -4.960607e-02 0.0745122882 -0.1207281924 0.0038544616 0.0069012913
## 2   7.054748e-02 -0.0172254407 -0.0822093519 -0.0059611528 0.0720577540
## 3  -6.643532e-02 0.0089700446 -0.0540470633 -0.0280418532 -0.0682418565
## 4  -2.450575e-02 0.0160709558 -0.0919395573 -0.0047948249 -0.0224702745
## 5  -4.733801e-02 0.0234026834 0.0810026077 0.0014315039 -0.0448141107
## 6   3.871655e-03 0.0572284576 -0.0540000739 -0.0344799132 0.0819533973

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## 7	-2.567521e-02	-0.0794297572	-0.0155842228	-0.0511007091	-0.0116078226
## 8	1.257280e-02	0.0304584884	0.0061773407	-0.0550373239	-0.0309789247
## 9	-2.913289e-02	-0.0137077238	-0.0824078355	0.0327525465	-0.0652184152
## 10	-1.836561e-02	-0.0217991662	-0.0548510432	-0.1334118871	0.0229950290
## 11	2.131165e-02	-0.0609396620	-0.0443419501	-0.0181074081	-0.0294906578
## 12	-4.205262e-02	0.0245473129	-0.0814060090	-0.0357922553	-0.0109584867
## 13	4.537041e-02	0.0049098645	-0.0807241557	-0.0612280320	-0.0111997834
## 14	8.118015e-02	-0.0020436906	-0.0611555715	-0.1133966038	0.0909346733
## 15	-4.757834e-03	-0.0262126440	-0.0147612752	-0.0244450889	-0.0041228608
## 16	-5.347967e-02	-0.0465790151	-0.0541857989	-0.0126019426	0.0071734453
## 17	3.196470e-02	-0.0310246411	0.1003502307	-0.0073000035	0.0153466852
## 18	-1.389480e-02	0.0291109136	-0.0320744046	0.0661264551	0.0083892681
## 19	-5.943752e-02	0.0207601248	0.0048384068	0.0130914012	-0.0090074988
## 20	2.059537e-03	0.0606852158	-0.0027778260	0.0869992962	-0.0243287172
## 21	-6.318753e-02	-0.0069037641	-0.0314213798	-0.0378839337	-0.0182019272
## 22	-5.791235e-02	0.0244199746	-0.0541276043	-0.0151922815	-0.0263676303
## 23	-2.176762e-03	0.0332295368	0.0150584450	-0.0077233949	0.0231928203
## 24	8.569712e-03	-0.1036648948	0.1160272345	-0.0040648363	0.0371921046
## 25	5.470900e-02	-0.0042828003	-0.0440760901	0.0607047892	0.0503162975
## 26	-2.977674e-02	0.0366399730	0.0375435888	0.0499793785	0.0128678263
## 27	-2.206576e-02	0.0495454653	0.0214070773	0.0658158977	0.0021098152
## 28	2.050205e-02	-0.0990082415	-0.0285706587	-0.0736355233	0.0208075982
## 29	-3.675843e-02	-0.0272012916	0.0161300435	-0.0334755443	0.0257956803
## 30	6.933061e-02	0.0121365379	-0.0388094426	0.0525846628	0.0360181070
## 31	-1.426923e-02	-0.0019248553	-0.0534963466	0.0234680966	0.0081436428
## 32	-6.163984e-02	0.0052709060	-0.0477214542	-0.0424155720	-0.0409279488
## 33	-6.306488e-02	-0.0057196548	0.0471186925	-0.0041300836	-0.0832005586
## 34	-1.717008e-02	-0.0290474780	0.0661745326	0.0872018307	-0.0061761970
## 35	-4.638963e-02	0.0515851287	0.0138097334	0.0569664244	0.0602320366
## 36	-1.482265e-02	-0.0451088083	0.0247441755	-0.0667238316	-0.0559374463
## 37	-5.807279e-02	-0.0295461347	-0.0305620423	-0.0380873622	-0.0099604954
## 38	-5.194206e-02	-0.0560526108	-0.0502831647	0.0474099916	-0.0661892455
## 39	1.069016e-02	0.0792589903	-0.0581837975	0.0371694011	0.0007804274
## 40	2.395665e-02	-0.0058250606	0.0081177667	-0.0432683034	0.0138561098
## 41	-3.518453e-02	0.0072726522	-0.0775782744	-0.0455193842	-0.0155413716
## 42	6.437417e-02	-0.0538579688	-0.0035369401	-0.0032094125	0.0160641746
## 43	-6.298524e-02	-0.0403465878	0.0462874471	-0.0608663150	0.0689045285
## 44	-2.942817e-02	-0.0603237767	-0.0204627381	-0.0583068285	-0.0247329947
## 45	5.774158e-03	-0.0532078246	-0.0192571570	0.0445658424	-0.0675285113
## 46	-1.373220e-02	-0.0058477708	0.0106561928	0.0096070270	0.0570231678
## 47	-2.471595e-03	0.0256553470	-0.0328322339	0.0050966614	-0.0885490103
## 48	1.594930e-02	-0.0228582542	-0.0058737956	0.0158733818	-0.0242980202
## 49	4.428708e-02	0.0046752693	-0.0159936619	0.1087572505	0.0290855132
## 50	4.506745e-02	0.0197385409	-0.0135179278	0.0307317682	0.0522216427
## 51	9.970867e-03	-0.0341106063	0.0264424150	-0.1045303746	-0.0023162631
## 52	-5.490002e-02	-0.0040692235	-0.0195248411	-0.0459671965	0.0051158581
## 53	1.701284e-03	-0.0164486321	-0.0080378277	-0.0139449405	-0.0072195469
## 54	-4.180106e-02	-0.0712235165	-0.0287502371	-0.0099862893	0.0201614181
## 55	-3.381907e-02	0.0142055912	0.0293265078	0.0296688428	-0.0185705054
## 56	2.758373e-02	0.0082060250	0.0691142111	-0.0630451051	-0.0011745367
## 57	4.053566e-02	-0.0452729905	0.0385710902	-0.0047970785	0.0476260647
## 58	5.177005e-02	-0.0628140143	-0.0279616200	0.1032923858	0.0129668045
## 59	5.057161e-02	0.0508432847	-0.0055045409	0.0190767435	0.0045392869
## 60	-3.978117e-02	-0.0110488656	0.0480820641	0.0474391659	-0.0135196292

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## 61 -4.126401e-03 -0.0068463749 -0.0014156353 0.0403344390 -0.0178962048
## 62 -3.896863e-02 -0.0396102743 0.0709519073 0.0326133570 -0.0834699131
## 63 1.973443e-03 0.0555179919 0.0440598879 -0.0343568065 0.0002250484
## 64 6.174276e-02 -0.0171171103 -0.0271582898 0.0173708098 -0.0156617051
## 65 -2.830873e-03 -0.0138976945 -0.0095225769 -0.0159472962 -0.0966829955
## 66 4.472063e-02 -0.0264832488 0.0229015687 0.0083450912 0.0244761118
## 67 4.358296e-02 -0.0166216888 0.0125995018 0.0003763273 -0.0717585418
## 68 1.313057e-02 -0.0817969890 -0.0199640468 0.0701239268 -0.0888292860
## 69 -2.573786e-02 -0.0573083328 -0.0190601480 0.0153676601 -0.0140350525
## 70 -1.863627e-02 -0.0182491200 0.0027301027 0.0641119950 0.0902425675
## 71 -4.733083e-03 0.0684031894 -0.1002874084 0.0325933908 0.0111484411
## 72 -1.119738e-02 -0.0240703053 -0.0357248897 0.0273234930 -0.0118756300
## 73 -1.570472e-02 -0.0015040416 -0.0160250659 -0.0828876131 -0.0612721389
## 74 5.650450e-02 -0.0350368688 -0.0004648474 -0.0069813366 0.0251269322
## 75 -5.272089e-02 0.0138106915 -0.0544634362 -0.0659993022 -0.0930053301
## 76 4.219534e-03 -0.0608993208 -0.0018996975 -0.0305487766 0.0141957092
## 77 -5.601646e-03 -0.0645167834 -0.0184815471 -0.0028654158 0.0084958495
## 78 -3.177202e-02 0.0003664112 0.0293294294 -0.0192253149 -0.0020113521
## 79 -3.827633e-02 0.0248008336 0.0378536792 0.0597545579 -0.0447422217
## 80 -3.463694e-02 0.0224546345 0.0101395803 -0.0401968441 -0.0270817362
## 81 -5.827024e-02 0.0265887823 0.0046506711 0.0243035147 -0.0503143962
## 82 -2.526186e-02 0.0353989638 -0.0309535213 -0.0192513477 0.0281416285
## 83 2.670229e-02 -0.0497253725 0.0563025520 0.0132843358 -0.0015638899
## 84 2.281380e-02 -0.0095387702 0.0709724968 0.0352452974 0.0708820410
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## 86 2.233096e-02 0.1101638818 -0.0109734692 -0.0523890616 0.0449346553
## 87 6.353198e-02 -0.0340270959 -0.0346513089 0.1107120381 -0.0378253051
## 88 -4.250333e-02 0.0691579241 0.0133877494 -0.0783581642 0.0513817137
## 89 -6.822803e-02 -0.0070345498 -0.0353229745 0.0764705800 -0.0421400608
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## 91 -6.541875e-02 -0.0641636452 0.0298086722 -0.0593907087 -0.0112078362
## 92 4.694833e-03 0.0104823572 -0.0079544056 -0.0241890874 -0.0251201965
## 93 9.083693e-03 0.0320014428 0.0815417598 0.0413542690 -0.0363102303
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## 96 4.417860e-02 -0.0034886067 0.0443454330 0.0133414648 -0.0201112783
## 97 5.712401e-02 0.0130278711 0.0060232878 -0.0800512518 0.0007891674
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## 99 2.954198e-03 0.0334137881 -0.0045214243 -0.0204775157 -0.0110869161
## 100 -2.963835e-02 -0.0465877848 -0.0666129153 -0.0124577980 0.0014826569
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## 104 -1.848546e-03 -0.0107959355 0.0480017307 0.0443886192 -0.0389558216
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## 115 -1.888380e-02 0.0134795533 0.0128885011 0.0254802850 -0.0436727889
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## 132 -3.922679e-02 -0.0867271657 -0.0115297277 -0.0062149414 -0.0293218545
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## 137 3.251732e-05 0.0389533956 0.0143359078 0.0133887504 0.0305452766
## 138 2.654581e-02 -0.0036209217 0.0684563827 -0.0352536996 -0.0034319594
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## 140 9.032600e-03 0.0540071132 -0.0422453887 -0.0424519352 -0.0507732643
## 141 2.528734e-02 0.0417612038 -0.0414821666 -0.0453461799 0.0190566413
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## 145 -4.474153e-02 0.0621264820 0.0173665741 0.0469531956 -0.0148211058
## 146 3.978213e-03 -0.0364311137 -0.0777653076 0.0057320102 -0.0062639118
## 147 -1.326420e-01 -0.0251077935 -0.0317160051 -0.0006782398 0.0821372771
## 148 -1.441419e-02 0.0243975465 0.0416079503 -0.0536785569 -0.0577236587
## 149 1.387485e-02 -0.1035852515 0.0021528424 0.0309417459 0.0057322720
## 150 -2.975222e-03 -0.0089691096 0.0053775684 -0.0267297126 -0.0036855142
## 151 3.784579e-02 0.0463633217 -0.0638547419 -0.0018528858 0.0038190925
## 152 -4.045646e-02 -0.0910035376 -0.0495264880 -0.0412953394 -0.0558434774
## 153 1.003824e-01 0.0286018598 -0.0186421680 0.0419735926 -0.0466713035
## 154 2.161589e-02 0.0629133263 0.0217457191 0.0001554567 -0.0149193995
## 155 -5.141735e-03 0.0350332657 0.0542267554 -0.0114880849 -0.0024485548
## 156 1.081799e-01 0.0251283248 0.0115058428 0.0236117435 -0.0050051641
## 157 2.250569e-02 0.0130211464 0.0016761961 -0.0056160854 0.0297334643
## 158 1.015463e-02 -0.0389927316 -0.0742807971 0.0792545660 0.0130142524
## 159 3.764503e-02 0.0522566999 -0.0928192081 0.0129408114 0.0113236030
## 160 -2.868754e-03 0.0186308859 -0.0014467568 -0.0891241943 0.0213030712
## 161 7.353813e-02 0.0590402045 0.0247882524 -0.0333498835 -0.0041718620
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## 164 4.461688e-02 -0.0561992161 0.0641140808 -0.0152756513 -0.0043136043
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## 166 4.866118e-02 0.0206936781 -0.0626275283 0.0383187446 0.0701789025
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## 169	3.872983e-02	0.0130362880	0.0073388060	-0.0030975954	-0.0370388425
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## 173	-6.678028e-03	0.0288447591	-0.0452371593	-0.0046550316	-0.0469920263
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## 180	-1.012623e-01	0.0175583198	-0.0515046393	-0.0550449668	-0.0517538732
## 181	-3.577847e-02	0.0769322636	0.0597717930	-0.0713342750	-0.0377529257
## 182	3.691525e-03	0.0067998490	0.0286457026	-0.1017965062	0.0753887807
## 183	9.747865e-03	0.0316586464	-0.0151545175	0.0625339019	0.0061778436
## 184	6.002585e-03	0.0286236008	0.0037912477	-0.0313343337	-0.0405766447
## 185	4.660745e-02	0.0584957155	-0.0364232120	-0.0249503344	-0.0316753989
## 186	2.024063e-02	-0.0533549848	0.0384231975	-0.0750394535	-0.0659861391
## 187	8.812913e-02	0.0206959539	-0.0115386637	-0.0236975886	-0.0423790157
## 188	1.300860e-02	-0.0201505110	0.0666305585	-0.0430168137	-0.0616161189
## 189	6.329634e-02	0.0265202251	-0.0529009374	-0.0019203080	0.0132283047
## 190	1.565799e-02	0.0205544009	0.1361760485	0.0511447531	0.0362368712
## 191	-2.486777e-02	-0.0084188285	0.0435379397	-0.0206891894	0.0903173039
## 192	-7.510459e-02	-0.0116663077	-0.0354679203	-0.0165682965	-0.0240270412
## 193	-5.871387e-02	0.0094508371	0.0648273334	-0.0539269668	0.0282025359
## 194	5.410801e-02	-0.0183938469	0.0403482307	0.0665548292	-0.0250312715
## 195	2.856948e-02	-0.0455297340	0.0251444697	0.0217054218	0.0365793484
## 196	-1.101266e-02	-0.0309298997	0.0834537561	0.0195538494	-0.0497486206
## 197	5.308812e-02	0.0271160936	-0.0706500324	-0.0149027675	0.0411610287
## 198	2.777959e-02	-0.0261279154	0.0163653254	-0.0129402398	0.0552053869
## 199	5.392114e-04	0.0306116554	-0.0329293869	0.0649521362	0.0136599010
##	V126	V127	V128	V129	V130
## 1	1.469025e-02	-3.054552e-02	2.621944e-02	0.0734496082	-0.0053296710
## 2	2.722721e-02	-4.482163e-04	3.046143e-02	0.0254973247	-0.0257136126
## 3	8.194381e-03	-3.794189e-02	7.866448e-02	0.0303551272	-0.0866476760
## 4	-2.534299e-02	1.791206e-02	5.464123e-02	-0.0225711366	0.0075888174
## 5	-1.742766e-02	4.363375e-02	-8.312679e-02	-0.0073139354	0.0094355734
## 6	-7.290541e-02	1.963992e-02	-5.150430e-02	-0.0822262701	0.0258901915
## 7	2.678698e-02	-1.597243e-02	-2.481296e-02	-0.0212697625	0.0359498426
## 8	-4.009586e-02	3.949549e-02	-7.054911e-02	0.0513807792	0.0221038480
## 9	-5.397317e-02	-1.840106e-02	-8.437411e-02	0.0739131126	0.0213429053
## 10	1.969964e-02	-1.376557e-02	6.247218e-02	-0.0345113436	-0.0084762427
## 11	-5.798406e-02	-7.681863e-02	-6.348872e-03	-0.0263943941	0.0395434907
## 12	7.741422e-02	-3.517002e-02	1.522431e-02	-0.0004915296	-0.0411772962
## 13	-5.778689e-02	-1.417483e-03	-1.441419e-02	0.0271836513	-0.0413228666
## 14	1.882534e-02	-6.687747e-02	-3.495889e-02	0.0857217587	0.0051243637
## 15	4.054589e-02	2.548015e-02	4.622580e-02	0.0194913587	-0.0445708714
## 16	-8.874284e-03	-1.687996e-02	5.722890e-02	-0.0156895205	0.0382680765
## 17	-8.986212e-02	1.707178e-02	-1.428760e-02	0.0286711158	0.0151216103
## 18	5.218714e-02	-8.151212e-02	-1.989106e-02	-0.0251619806	0.0058476200
## 19	-4.595063e-02	1.910219e-02	-3.682988e-02	0.0330253886	-0.0211376222
## 20	-2.542307e-02	5.837706e-02	-2.526707e-02	0.0193941802	0.0945912066
## 21	4.844189e-02	-9.531056e-02	-2.849971e-02	-0.0204436967	-0.0347335576
## 22	-1.383291e-02	-3.848446e-02	3.511672e-03	0.0092627469	-0.0380791970

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## 23 -5.173643e-02 4.086452e-02 -1.697383e-02 -0.0569065156 -0.0339663181
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## 25 3.636602e-02 -6.347817e-03 -7.405107e-03 -0.0074682012 0.0537964055
## 26 1.401026e-02 -2.085275e-02 3.750528e-02 -0.0314755068 -0.0119990587
## 27 -1.525766e-02 -1.261577e-03 -5.641542e-02 -0.0236100749 0.0069420051
## 28 -3.057548e-03 7.837382e-02 1.957525e-02 0.0110876570 -0.0022512309
## 29 -2.067711e-02 2.561585e-02 -3.800806e-02 0.0654371666 -0.0223095340
## 30 3.431673e-02 -3.973354e-02 -1.980661e-02 0.0145330464 -0.0088521825
## 31 4.339403e-02 1.397183e-02 -1.882591e-02 0.0531745593 0.0612949669
## 32 -5.999208e-02 6.149759e-02 -1.603972e-02 -0.0091465493 0.0210738728
## 33 3.445399e-02 -1.392727e-02 1.315771e-02 -0.0743066631 0.0480152781
## 34 -9.459627e-02 -5.058434e-02 1.847521e-02 -0.0628213207 -0.0028793114
## 35 -2.731140e-02 5.575276e-02 -5.591362e-02 0.0376470625 0.0038998937
## 36 4.707283e-02 5.393070e-02 4.090684e-02 0.0401466511 0.0628007782
## 37 6.046393e-02 -1.865749e-02 2.371846e-02 -0.0980854120 0.0073156570
## 38 6.390048e-03 2.483488e-02 3.313215e-04 0.0382783926 -0.0676566799
## 39 3.477659e-02 -8.035071e-02 -6.198843e-02 0.0679711714 0.0491266462
## 40 3.229721e-02 2.832275e-02 1.440997e-02 0.0253683374 -0.0236622565
## 41 2.650294e-02 6.270891e-02 -7.669616e-03 -0.0616167755 0.0078626637
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## 45 -7.338267e-04 3.474856e-02 9.086126e-02 -0.0398614892 -0.0815049505
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## 56 -2.751210e-02 -1.278401e-02 5.995378e-03 -0.0108459554 -0.1152344332
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## 83 -2.489328e-02 8.477988e-03 -3.778511e-02 0.0128673530 -0.0644821182
## 84 -4.897603e-04 -1.860049e-02 -1.146472e-02 0.0033980191 0.0237914784
## 85 2.007485e-02 -2.060703e-02 -5.841611e-02 0.0251735136 0.0145838150
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## 137 1.986503e-03 -2.616662e-02 -1.119040e-02 -0.0148385880 0.0759312545
## 138 -3.104296e-04 3.724573e-02 -6.289145e-03 -0.0228408367 0.0014658131
## 139 5.367118e-02 -2.281538e-02 2.273147e-02 -0.0152454117 0.0017686425
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## 149 7.618056e-02 -6.925282e-02 4.975405e-02 0.1541857153 -0.0009785926
## 150 6.524691e-04 -1.784267e-02 3.498316e-02 -0.0361518771 -0.0035491301
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## 154 -3.779676e-02 1.564098e-02 1.663730e-02 -0.0471881180 0.0077141541
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## 176 7.262022e-02 -4.930245e-02 7.413260e-03 -0.0505291089 0.0646723886
## 177 -4.027054e-03 -1.095178e-01 5.553715e-02 -0.0072207115 -0.0150390627
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## 192 -5.723200e-02 6.439920e-02 -1.471918e-02 -0.0702097204 0.0176583396
## 193 -2.272238e-02 -6.014907e-02 -2.525508e-02 0.0034236180 -0.0189433215
## 194 1.688023e-02 -7.666267e-03 1.716494e-02 -0.0294374337 -0.0215139398
## 195 -1.566833e-02 -5.959392e-04 4.343146e-02 -0.0661857390 0.0199690721
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## 199 -2.134531e-02 -1.264756e-02 -7.483113e-02 0.0025957777 -0.0237651728
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## 2 -0.0285968984 5.424767e-02 -0.0094936584 0.0375851668 -0.0006455290
## 3 -0.0262091185 3.096157e-02 -0.0072325795 -0.1002055521 0.0364863791
## 4 0.0014608716 1.345995e-03 -0.0613276058 0.0048354254 0.0127756355
## 5 0.0617398276 -5.850572e-02 0.0503643989 -0.0783611768 -0.0317176246
## 6 -0.0333201303 -2.281151e-02 0.0093882882 -0.0573872768 0.0444544663
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## 8 -0.0289653426 -3.218571e-02 -0.0251635385 0.0239112266 -0.0277667693
## 9 -0.0103591421 1.173206e-02 -0.0334898712 0.0253769558 -0.0339055267
## 10 -0.0675065074 -6.705138e-02 0.0232210815 -0.0434144977 0.0155092922
## 11 0.0308119647 -1.194272e-02 -0.0558094631 0.0418984426 -0.0750431891
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## 13 0.0195822758 -1.186437e-02 -0.0225487112 0.0510207855 0.0564594878
## 14 0.0005736594 7.321792e-02 0.0463665831 -0.0157913692 -0.0569216827
## 15 0.0566565057 2.690287e-02 -0.0108903596 -0.0659216034 -0.0141431841
## 16 0.0380945109 2.343826e-04 -0.0431314704 0.0090425001 -0.0104671726
## 17 0.0430647167 -7.331308e-02 0.0049170667 -0.0353665896 -0.0275347488
## 18 0.0540242356 -6.539024e-03 -0.0062038052 -0.0349721647 0.0634584428
## 19 0.0465206843 -2.822621e-02 0.0424595616 -0.0280963228 0.0156473234
## 20 -0.0042985020 1.386881e-03 0.0270219542 0.1132669629 0.0067026742
## 21 0.0499377959 -1.548012e-02 0.0851947734 -0.0204225380 0.0338791852
## 22 0.0095631286 8.718731e-02 -0.0723956921 -0.0025005406 0.0237412074
## 23 -0.0262320185 -3.082046e-02 0.0126484016 0.0172597306 -0.0450598407
## 24 -0.0027948477 -4.116797e-02 -0.0309721889 0.0902797197 0.0084368397
## 25 -0.0142496442 2.526547e-02 0.0160984179 0.0220436301 0.0381298945
## 26 -0.0657302773 -2.632701e-02 -0.0649256288 -0.0083970573 -0.0025992137
## 27 -0.0156232411 -2.134209e-02 0.0217425528 0.0364036486 0.0373878170
## 28 -0.0004616657 -2.273205e-02 0.0241519770 0.0170034822 -0.0039512604
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## 36 0.0643025887 7.982632e-02 -0.0732627065 -0.0345574012 -0.0494404734
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## 39  0.0226250123 -1.217032e-02 -0.0352812309 -0.0104712928 -0.0088462289
## 40  0.0088651325  1.756350e-02  0.0176075494 -0.0439214744 -0.0285535138
## 41  0.0250144294  1.258192e-01  0.0107363585  0.0326987246  0.0827634828
## 42 -0.0058795330 -7.474977e-02 -0.0085158723 -0.0419864928  0.0568846549
## 43  0.0118616858  2.918591e-02 -0.0293897807 -0.0622623332 -0.0259489079
## 44  0.0058978397 -4.387250e-02 -0.0358922542  0.0023742500 -0.0299018900
## 45  0.0028933493 -6.229462e-02 -0.0153055301  0.0191746089  0.0624906440
## 46 -0.0057410358 -6.740850e-02 -0.0667694846 -0.0455774355 -0.0314055322
## 47  0.0357262850  1.857490e-02 -0.0227670615  0.0189092933  0.0220989434
## 48  0.0219886820 -7.518627e-03  0.0270004295  0.0068125686 -0.0993318582
## 49 -0.0380286324 -1.204757e-01  0.0102142388  0.0988079610  0.0284772169
## 50  0.0314735914  4.162257e-02  0.0074286796  0.0987957050 -0.0408547282
## 51 -0.0305840046  6.564854e-02  0.1011553770  0.0145591310 -0.0461372503
## 52 -0.0712962266  8.555332e-02 -0.0229324882 -0.0398436134  0.0282911311
## 53 -0.0067458912 -4.480336e-02  0.0153717872  0.0830589700  0.0356619467
## 54 -0.0245763270 -1.164415e-03  0.0540420610 -0.0479228235  0.0298741308
## 55 -0.0308789469  6.354103e-03  0.0744423377  0.0169972448 -0.0335246161
## 56 -0.0236724614  3.310737e-03 -0.0436203455 -0.0171452807 -0.0022033142
## 57 -0.0366839325 -4.605060e-02  0.0002447912 -0.0647676092  0.0520975558
## 58  0.0303151213  6.238721e-02  0.0245365805 -0.0045687449  0.0129961357
## 59 -0.0228123404 -2.651700e-03 -0.0429735715  0.0150483531  0.0515821714
## 60  0.0695950904 -1.838002e-02  0.0426684433  0.0700916757 -0.0238820209
## 61  0.0302483235  1.630781e-02  0.0578677174 -0.0398584490 -0.0442284901
## 62 -0.0119758112  4.745935e-02  0.0044162545 -0.0486601716  0.0209654377
## 63 -0.0114944170  1.357013e-02 -0.0893498952  0.0355636828  0.0753548127
## 64 -0.0319529315 -1.092517e-01 -0.0271152921 -0.0034452866 -0.0549785167
## 65  0.0185847391  2.067124e-02 -0.0365076658 -0.0422896754  0.1072311291
## 66 -0.0736153763  6.845672e-02  0.0150369223  0.0338373363  0.0670415032
## 67 -0.0047579659  1.475612e-02  0.1495691903  0.0423125315  0.0552287570
## 68 -0.0546409939 -7.817729e-03  0.0729352958  0.0901268550  0.0202156217
## 69  0.0289345774  4.274073e-02 -0.0130283801  0.0902418243 -0.0516994013
## 70  0.0461318288  1.374290e-02  0.0496836064  0.0506174437 -0.0488222471
## 71 -0.0242984757 -6.994672e-02  0.0613668617 -0.0078442982  0.0046893510
## 72  0.0069686638 -2.202584e-02 -0.0425279773  0.0174128907 -0.0262382334
## 73 -0.0845088965 -2.860743e-02 -0.0628356662 -0.0684831907 -0.0303945235
## 74  0.0595413016  8.390901e-02  0.0016268497 -0.0133901676 -0.0546669351
## 75 -0.0463773801  8.573010e-02  0.0012513631  0.0291772581 -0.0325899859
## 76 -0.0438656787  5.724033e-03  0.0194008627 -0.0006605712 -0.0639855991
## 77 -0.0604324273 -1.699878e-02  0.0346117550  0.0216562706  0.0118619116
## 78 -0.0025295119  4.887453e-02 -0.0090484806 -0.0200475582 -0.0187115945
## 79 -0.0143128251 -2.154455e-02  0.0012217469  0.0345250033 -0.0621483892
## 80 -0.0903310079 -3.065614e-02  0.0175678675 -0.0696685405 -0.0984108733
## 81 -0.0566837060  6.493438e-02 -0.0178691429 -0.0204768967  0.0510213801
## 82  0.0573874095  1.748617e-02  0.0329134497 -0.0096749790  0.0511336470
## 83  0.0164575494 -5.476328e-02 -0.0211953035 -0.0107350842  0.0200249959
## 84  0.0775549448  4.267803e-02 -0.0318050850  0.0399644587 -0.0104637697
## 85  0.0635968956  6.993783e-02 -0.0447487159 -0.0121309575  0.0769285726
## 86 -0.0141658951  3.312324e-02  0.0124709764 -0.0076049759 -0.0002948953
## 87 -0.0414195113  5.131063e-02 -0.0076096560  0.0095648845 -0.0572623700
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## 89  0.0151159022 -6.049420e-02 -0.0318768182 -0.0090180788 -0.0335114153
## 90 -0.0437529077 -7.791861e-03 -0.0312832108 -0.0643944699  0.0100503621
## 91 -0.0864325567  4.285955e-02  0.0148577516  0.0085006015 -0.0445065446
## 92  0.0086528903  3.171745e-02  0.1187641723  0.0281534059  0.0073002324

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## 93 -0.0001752778 1.688692e-02 -0.0955663489 -0.0032811789 0.0227733811
## 94 -0.0088511135 2.461933e-02 -0.0454082486 -0.0037350877 -0.0530094459
## 95 0.0013710509 7.081980e-02 0.0137093543 0.0119181676 -0.0527232659
## 96 0.0381462565 -1.217253e-02 -0.0554909402 -0.0378969148 0.0318345692
## 97 -0.0554500169 9.816188e-03 0.0197013306 0.0014975992 -0.0614306540
## 98 -0.0297679079 -1.590392e-02 -0.0638416245 -0.0065721876 0.0111409429
## 99 -0.0131278919 -5.734594e-02 0.0002436802 0.0120608963 0.0236133442
## 100 -0.0212760426 -2.448307e-02 0.0095945921 -0.0058184870 -0.0636345972
## 101 -0.0232372025 3.014580e-02 -0.0637681461 -0.1121033320 0.0043353104
## 102 -0.0402444250 -4.521533e-02 0.0005853080 -0.0057084400 -0.0170144712
## 103 0.0051189910 -7.491986e-03 0.0359819395 -0.0359322150 -0.0286033870
## 104 0.0090825998 4.806555e-02 0.0135957934 0.0097569058 0.0057530325
## 105 0.0370892575 -2.431016e-02 -0.1055146248 0.0140495204 -0.0019801218
## 106 -0.0061494597 1.061518e-02 0.0354181484 0.0539853104 -0.0390496857
## 107 0.0102739738 -5.201875e-02 -0.0298634917 -0.0362648142 -0.0223917934
## 108 -0.0236241389 -1.474752e-02 0.0364717590 0.0150888043 -0.0358905209
## 109 -0.0204917129 2.204182e-02 0.0097408539 0.0266801911 -0.0103577261
## 110 0.0443921274 3.617958e-02 0.0351193722 -0.0127995062 -0.0245858018
## 111 -0.0312825387 8.496187e-02 0.0111551497 0.0062982441 -0.0087069394
## 112 -0.0142883880 -5.339938e-02 -0.0589448946 0.0497035022 -0.0027056471
## 113 0.0043356286 1.967757e-02 0.0731107992 0.0047278361 0.0308742157
## 114 -0.0228226578 9.373442e-02 0.0372075101 0.0031143494 0.0499286606
## 115 -0.0392036016 4.137757e-02 -0.0362901363 -0.0708076173 0.0197137826
## 116 0.0288317935 -4.118414e-02 0.0469699463 -0.0547887137 0.0146919830
## 117 -0.0235423198 -6.183153e-02 0.0403013144 0.0230904624 -0.0857954361
## 118 0.0496250282 5.307716e-02 0.0090875995 0.0127363954 -0.0309845722
## 119 -0.0494270484 -7.685942e-02 -0.0334186791 -0.0138305458 0.0736898243
## 120 -0.0627706071 4.469822e-02 0.0319933394 -0.0422000691 -0.0009052208
## 121 0.0406756261 5.784017e-02 0.0256161675 0.0353073713 -0.0349808095
## 122 -0.0638664739 4.156378e-02 0.0088855887 -0.0326625126 -0.0447476874
## 123 0.0249007969 3.238983e-02 0.0751527975 0.0452070102 -0.0174227921
## 124 -0.0060199166 1.009915e-01 0.0320602330 0.0183003030 0.0631636297
## 125 0.0416589267 -6.341427e-04 0.0004165266 0.0117233393 -0.0033410080
## 126 0.0238145045 1.813345e-02 0.0529379570 -0.0358031005 -0.0473557646
## 127 -0.0886892478 -1.764305e-02 0.0112840454 0.0256686211 0.0654272258
## 128 -0.0386012449 -2.414563e-02 -0.0208043569 -0.0196211934 0.0071923841
## 129 -0.0083742368 -2.391077e-02 -0.0849415482 0.0143664055 0.0254489392
## 130 0.0729845007 -5.330106e-02 -0.0934140178 -0.0225069810 0.0415430608
## 131 0.0542633004 -6.633325e-02 0.0204567890 0.0164400760 0.0165846691
## 132 -0.0242446683 -5.390419e-03 -0.0380823599 0.0683815155 0.0233584225
## 133 -0.0536096554 4.235267e-02 0.0087835681 -0.0462257437 -0.0528662017
## 134 0.0081317695 6.156107e-03 -0.0704148076 -0.0200039470 -0.0085221903
## 135 -0.0100493345 7.067132e-02 -0.0242725967 -0.0267384798 0.0492962980
## 136 -0.0741483444 3.953084e-03 -0.0146457994 -0.0048826627 -0.0052274257
## 137 -0.0067713763 -2.707313e-02 -0.0248440756 -0.0003227883 -0.0321684094
## 138 0.0069375625 -4.483596e-02 -0.0045352900 -0.0364180262 0.0699594392
## 139 -0.0185606567 -4.006191e-02 -0.0298734574 0.0002380244 -0.0186861022
## 140 0.0431949379 -5.457106e-02 0.0421161115 0.0206834239 -0.0275495385
## 141 -0.0569549537 -2.988703e-02 0.0397208069 -0.0449930906 -0.0343346774
## 142 -0.0680324284 4.288742e-02 0.0249581659 0.0124573744 0.0092463133
## 143 0.0772113865 -6.294183e-02 -0.0093523964 -0.0290133688 -0.0875059948
## 144 -0.0346214551 2.370320e-02 0.0319749838 0.0535000009 -0.0085063409
## 145 0.0094184837 4.105877e-02 0.0128191030 -0.0291277924 0.0250778065
## 146 -0.0206281181 -5.030322e-02 0.0314706249 -0.0180234453 -0.0832638388

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## 147	-0.0200752374	-4.677884e-02	-0.0575501448	-0.0130828103	0.0332564719
## 148	0.0105673370	2.891708e-02	0.0087168360	0.0257322823	-0.0319192930
## 149	-0.0347961840	5.197864e-03	-0.0429838280	0.0377915344	0.0254586065
## 150	0.0188453363	5.599179e-02	0.0819245940	-0.0216612305	0.0224762511
## 151	0.0893897629	7.563284e-02	-0.0642259263	0.0252157914	0.0549149702
## 152	0.0125000715	-1.168590e-01	0.0305251712	-0.0322116772	-0.0321265692
## 153	-0.0262506222	8.563243e-02	-0.0468835356	-0.0389744021	0.1136203741
## 154	-0.0687598671	-6.098311e-02	-0.0894647213	0.0321683864	0.0051524275
## 155	0.0036177563	-1.381049e-02	-0.0445442011	-0.0252379663	-0.0571487347
## 156	0.0426797214	-1.672693e-02	0.0241335183	-0.0261866056	0.0503800154
## 157	-0.0406268621	2.448746e-02	0.0482596143	-0.0282201002	0.0203128901
## 158	-0.0595469483	3.373717e-02	0.1088103700	0.0764520605	0.0027568098
## 159	-0.0379936709	-8.280120e-03	-0.0252386070	0.0210944189	-0.0229176838
## 160	0.0403487419	5.114864e-02	0.0396610274	0.0773919060	-0.1041626522
## 161	0.0877207295	2.334648e-02	-0.0004178772	-0.0067842275	-0.0051962208
## 162	0.0535421380	9.854802e-02	-0.0785121455	0.0449173976	0.0172113032
## 163	-0.0048767103	3.743339e-02	0.0060556239	-0.0394887630	-0.0184745577
## 164	-0.0232347579	-3.549090e-02	-0.0475063808	0.0856257510	0.0132740885
## 165	0.0299816613	6.365356e-02	-0.0214347538	0.0451994166	-0.0351520716
## 166	-0.0118765334	-6.514586e-02	0.0416254793	-0.0085782738	-0.0220073302
## 167	-0.0205770457	-5.226083e-02	-0.0318983307	-0.0160904030	0.0402777294
## 168	-0.0152492433	-4.184252e-02	-0.0332214983	0.0367528912	-0.0247348245
## 169	0.0150049704	4.511788e-03	-0.0076240559	-0.0697167489	-0.0460521207
## 170	-0.0302968657	-3.007513e-02	0.0705326755	-0.0165227520	0.0035702640
## 171	0.0972308488	5.835564e-02	0.0095406355	0.0589252371	-0.0033101981
## 172	0.0015645937	-8.579012e-03	-0.0558634797	0.0723761070	-0.0008803728
## 173	0.0527840195	-2.260834e-02	0.0179910327	0.0626864206	-0.0411813416
## 174	-0.0326471063	4.962948e-02	0.0088619838	-0.0168374229	-0.0485175221
## 175	-0.0083527483	2.972527e-02	0.0137159953	0.0581979060	-0.1159703789
## 176	-0.0461902222	-5.214308e-02	-0.0214109257	0.0142955042	-0.0565164727
## 177	0.0764228649	5.727942e-02	0.0165482169	-0.0160491860	0.0119892207
## 178	-0.0014116371	-3.565627e-02	0.0003967082	0.0771324827	0.0382901954
## 179	0.0179003165	-1.600476e-02	0.0001670471	-0.0081505117	-0.0602530982
## 180	0.0234161263	7.231830e-02	-0.0590626584	0.0723348450	0.0627933449
## 181	-0.0321933069	-5.547624e-02	0.0154447999	0.0448175008	-0.0041722654
## 182	0.0481389431	6.584840e-02	-0.0056750254	0.0827078339	-0.0053206558
## 183	-0.0095255461	8.828039e-05	-0.0325904715	-0.0524155391	-0.0905089728
## 184	0.0327001146	9.369167e-02	-0.0318844999	-0.0625515919	0.0428885463
## 185	-0.0509217231	-3.370459e-02	0.0431146777	-0.0954257184	0.0148802103
## 186	-0.0530540728	1.387139e-02	0.0208089916	-0.0435904197	0.0149776209
## 187	0.0087133133	6.713153e-02	0.0174099855	-0.0379340742	0.0390097647
## 188	0.0107059485	1.774534e-02	0.0515222583	-0.0198812083	-0.0511826474
## 189	0.0016176700	4.027144e-02	-0.0456782707	-0.0140624803	-0.0163903249
## 190	0.0111766476	-1.983421e-02	0.0566223601	-0.0051391684	-0.0126853606
## 191	0.0183338480	4.337592e-02	0.0663417062	0.0453621295	-0.0221276084
## 192	-0.0001540968	-4.165749e-02	0.0638716069	0.0118491175	-0.0162387373
## 193	-0.0070000697	3.700488e-02	0.0093834128	-0.0240711783	0.0568012732
## 194	0.0425942656	-1.692076e-02	-0.1140952156	0.0558949052	-0.0283578848
## 195	-0.0184527594	-5.279575e-02	-0.0526826078	-0.0078467977	-0.0169493519
## 196	-0.0407911549	-5.132946e-02	0.0025940932	-0.0093510146	-0.0036308509
## 197	-0.0191654631	3.333854e-02	-0.0160946130	0.0058684633	0.0098388094
## 198	0.0367853937	-2.375625e-02	0.0472847231	-0.0456066206	0.0405614375
## 199	-0.0031633751	2.784424e-02	-0.0479243206	-0.0162016944	0.0315957064
##	V136	V137	V138	V139	V140

## 1	-0.0333786378	-5.244705e-02	-0.0378593138	-0.037832508	-0.0415854854
## 2	0.0154659961	-5.920015e-02	0.0098086163	-0.045577915	0.0509836529
## 3	0.0775624538	-7.475369e-03	0.0060410736	-0.008503089	-0.0613943543
## 4	0.0174747601	-5.215106e-02	0.0918208760	0.006052808	0.0629682274
## 5	0.0405800628	-1.053555e-01	-0.0606687432	0.015553653	0.0131339031
## 6	0.0093515865	-3.541103e-02	0.0187337964	-0.095082502	-0.0230317266
## 7	-0.0101949516	-5.516261e-02	0.0365905315	0.033425972	-0.0404196990
## 8	0.0164071799	-1.807053e-02	0.0682197894	-0.081898842	-0.0427017225
## 9	0.0026165646	2.956246e-02	-0.0278587654	0.002689377	-0.0562344556
## 10	-0.0236525366	6.726444e-02	-0.0274970429	0.013129912	-0.0178671567
## 11	-0.0537567059	4.349617e-02	-0.0362457574	-0.077789054	0.0534610749
## 12	-0.0756015598	-3.001069e-03	0.0365688498	0.074695014	-0.0433853131
## 13	-0.1022662296	6.100168e-02	0.0406961561	-0.074539197	-0.0275196665
## 14	0.0008420899	3.031184e-02	-0.0394779578	0.018880204	-0.0024199747
## 15	0.0056531022	-1.470942e-03	-0.0353685769	0.041245854	0.0606957640
## 16	0.0245423906	3.552439e-02	-0.1024908615	-0.023083460	-0.0625130699
## 17	-0.0077587476	8.586251e-03	0.0550478828	0.014634929	0.0215597300
## 18	0.0098216727	-3.792601e-02	0.0494195371	0.046288877	-0.0416411282
## 19	-0.1314716583	-9.591329e-03	-0.0140696780	0.034736202	0.0602061842
## 20	0.0177168506	3.740344e-02	0.0383425692	-0.068158203	-0.0173924848
## 21	0.0345521791	6.013618e-02	-0.0329341125	0.065369577	-0.0010730531
## 22	0.0417549921	5.232327e-02	0.0483229313	-0.007558058	0.0672275810
## 23	-0.0249213237	-3.743279e-02	-0.0083663786	0.012521390	-0.0334720992
## 24	0.0655067440	2.882463e-02	-0.0853858646	0.065826419	-0.1098765716
## 25	-0.0258318300	9.490177e-02	0.1509926640	0.029270810	0.0536717160
## 26	-0.0631626285	-1.823033e-02	-0.0050563363	0.031547286	0.0470023683
## 27	0.0307076323	-1.856740e-02	0.0338760553	0.044661915	0.0180547796
## 28	0.0193982116	2.123884e-02	0.0019236897	-0.056594417	-0.1062067193
## 29	0.0354385297	-1.134464e-02	0.0466571988	-0.050251124	-0.0010096475
## 30	-0.0474491699	2.479391e-02	0.0385382345	0.011467736	0.0285345916
## 31	-0.0242854813	-3.578106e-02	-0.0152679884	0.020324904	0.1165310206
## 32	-0.0537410393	-2.556296e-04	0.0137783526	-0.028323496	0.0013182655
## 33	0.0158780666	-2.985512e-02	0.0228088092	0.009181761	0.0306022274
## 34	-0.0187221506	3.263537e-02	-0.0792088618	-0.039266674	0.0200026736
## 35	-0.0551015743	1.202739e-02	-0.0207457906	-0.100881486	-0.0663292139
## 36	-0.0264097766	-1.093593e-01	-0.0350612692	0.020412842	-0.0187531560
## 37	0.0207419177	-3.658223e-02	0.0397984975	0.003360613	0.1140824027
## 38	0.0159165524	3.420917e-02	0.0532127590	0.060342194	0.0109246264
## 39	0.0018456661	-1.231900e-02	0.0879773505	-0.033367328	-0.0359255090
## 40	-0.0154734294	-1.940855e-02	-0.0865973006	0.001772602	0.0179852700
## 41	0.0319721901	-2.115649e-02	0.0103915354	-0.047474319	0.0007490012
## 42	-0.0019583228	1.133948e-02	0.0840956474	0.029431374	0.0006468281
## 43	0.0838562797	-7.094064e-03	0.0628296411	-0.015925351	0.0257563184
## 44	-0.0165739756	-2.008933e-02	0.0057679244	-0.020005551	0.0071211323
## 45	-0.0020681388	5.018721e-02	-0.0097420964	0.000760584	-0.0522963996
## 46	0.0800022173	1.007930e-02	0.0493155220	0.024029651	-0.0026440443
## 47	0.0124545462	-5.523722e-02	-0.0424016617	0.021971843	0.0264819430
## 48	0.0290211365	-3.270566e-02	0.0318990179	-0.051639729	0.0456536635
## 49	-0.0718497711	-4.673835e-02	-0.0263047416	0.046110094	-0.0108847219
## 50	0.0692987950	2.212675e-02	-0.1186902355	0.072808041	0.0647664382
## 51	0.0347933519	7.287165e-03	0.0038454849	-0.056069863	-0.1100364365
## 52	0.0106688965	-6.383029e-02	-0.0267528681	0.009476626	0.0003810640
## 53	0.0256460007	4.810654e-02	0.0790926933	0.050718837	0.0034409790
## 54	0.0665039447	4.209337e-02	0.0461615842	-0.010031247	-0.0616467759

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## 55 -0.0042290556 -1.832256e-03 -0.0111643029 -0.052207656 0.0704062392
## 56 0.0158056947 -3.436192e-03 -0.0233644741 0.039056423 -0.0395426356
## 57 -0.0201680012 -7.779972e-03 -0.0155061995 -0.004935306 -0.0323544388
## 58 0.0788364268 -5.269454e-02 -0.0153171995 0.136211076 -0.0473347400
## 59 0.0354634201 -3.086171e-02 -0.0011788313 0.018048262 -0.0308476787
## 60 0.0191141425 -1.080330e-02 0.1169171158 0.067274732 0.0172914347
## 61 0.0338432542 1.287571e-02 -0.0088962736 0.079882644 0.0128457082
## 62 0.0475074054 4.461376e-03 0.0598421657 0.001582385 -0.0471362676
## 63 0.0199853689 -1.396822e-02 -0.0300679735 0.054660752 0.0373834166
## 64 -0.0187824513 -2.626929e-02 -0.1060849937 -0.089701663 -0.0442284645
## 65 -0.0127234766 2.542500e-02 0.0038272883 0.017863234 -0.0359768071
## 66 0.0098646381 -1.012064e-01 -0.0241445920 -0.050904914 -0.0002453411
## 67 -0.0056734323 6.871164e-03 0.0585673748 0.061457382 0.1012774328
## 68 -0.0031094330 -3.131232e-02 0.0044167339 0.039959310 0.0238201074
## 69 0.0645032587 2.745918e-02 0.0282236665 -0.009332256 0.0107486651
## 70 0.0168772976 -8.064232e-02 -0.0617522034 0.048344445 0.0645752220
## 71 -0.0218543224 4.044736e-02 -0.0091457038 0.111285187 -0.0396093561
## 72 0.0505701495 -2.091229e-02 0.0021442739 0.035607078 -0.0346899025
## 73 -0.0179692044 5.404416e-02 -0.0044452153 0.070578735 -0.0462845064
## 74 -0.0462226054 -4.889599e-02 -0.0135658718 -0.054674385 -0.0251477987
## 75 -0.0108598966 6.164417e-02 -0.0307953417 0.057994214 -0.0516104584
## 76 0.0520468657 4.609071e-02 -0.0089190380 -0.011640698 0.0161705490
## 77 -0.0342343815 -4.760264e-02 -0.0008622789 0.004951416 -0.0093883037
## 78 -0.0245096047 5.193594e-02 -0.0436565078 -0.025346229 0.0170674979
## 79 0.0502279017 1.182909e-01 0.0216872678 -0.002293102 -0.0529682004
## 80 0.0613196364 2.448191e-02 -0.0320226619 -0.039177648 -0.0387526214
## 81 0.0551246510 2.330036e-03 -0.0379522763 -0.005827688 -0.0297744926
## 82 0.0556015186 4.430775e-02 0.0501882332 0.100468166 -0.0197462960
## 83 -0.0098691888 1.703743e-02 -0.0233092190 -0.036306773 -0.0379476964
## 84 -0.0083065141 1.220372e-02 -0.0224241468 0.021042227 -0.0472220839
## 85 -0.1290535143 8.205086e-02 0.0291975618 0.014367287 0.0276671939
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## 87 0.0383470601 -4.045868e-02 0.0053512653 -0.026547852 -0.0739614724
## 88 0.0607805221 -4.762527e-03 0.0392446907 -0.024604028 0.0895314054
## 89 -0.0319153940 6.287845e-02 0.0316045051 0.012602693 0.0185566830
## 90 0.0435318367 7.485081e-02 0.0341216588 -0.010770209 -0.0004915408
## 91 0.0205383157 1.109268e-02 0.0561000051 -0.027244403 -0.0385970546
## 92 -0.0240195938 -3.693751e-02 0.0939673296 0.066951927 0.0302399865
## 93 0.0234029328 2.250854e-02 0.0720871706 0.060981217 0.0063281372
## 94 -0.0878886176 -3.596209e-05 0.0035082845 -0.005765113 0.0258839436
## 95 -0.0390503331 -1.664312e-02 0.0116125649 -0.076357119 0.0744597408
## 96 0.0320008422 -2.683756e-02 -0.0484395338 -0.074980110 0.0271838394
## 97 0.0376197447 2.498046e-03 0.0759241256 -0.077879958 -0.0060487933
## 98 0.0153891431 1.246019e-02 -0.0533031285 0.029173456 -0.0311173012
## 99 -0.0092585786 1.366883e-02 0.0138581781 -0.010743336 0.0083171438
## 100 0.0253072987 2.883010e-03 -0.0259733518 -0.006854638 -0.0245724744
## 101 -0.0894007935 1.221731e-01 0.0476553541 -0.055257803 -0.0231323242
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## 103 0.0218889452 1.686961e-02 -0.0583781717 -0.088566855 0.0248905084
## 104 0.0638221070 -1.943717e-02 -0.0049250703 -0.044518803 -0.0404395143
## 105 0.0502969584 2.178076e-02 -0.0003504776 -0.014323125 0.0799584013
## 106 -0.0131847100 -3.577084e-02 0.0773058474 0.034089845 -0.0152635805
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## 108 -0.0135281272 1.019729e-02 0.0214554357 -0.056445594 -0.0211814961

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## 109 0.0013634684 1.108744e-02 -0.0253790862 -0.058430574 0.0808033635
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## 118 -0.0303645730 7.292880e-03 -0.0798985476 -0.003627500 -0.0335512464
## 119 0.0050395175 3.065079e-03 0.0778675372 -0.009126973 0.0434336021
## 120 -0.0727265080 4.571305e-02 0.0704394747 0.035649925 -0.0284887008
## 121 -0.0904321693 -3.439629e-02 -0.0626170418 0.008896289 0.0080972913
## 122 -0.0085827580 1.181765e-02 0.0339872063 0.008117820 0.0126612542
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## 125 -0.0320755766 2.276125e-02 0.0146391853 0.005730305 -0.0606971805
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## 131 0.0341795669 6.568760e-02 -0.0739986807 -0.012887266 -0.0269098676
## 132 -0.0502325804 5.752147e-03 0.1054129455 -0.056158100 0.0604390988
## 133 0.0241186494 -7.018542e-02 -0.0871654354 0.012703976 0.0446543806
## 134 0.0454230550 5.106284e-02 -0.0320372633 -0.045045881 0.0149072066
## 135 -0.0873354942 8.851739e-02 0.0179497826 0.025318956 -0.0672475388
## 136 0.0845003922 -5.466721e-02 -0.0018247164 -0.001030808 -0.0118739269
## 137 0.0134730751 -5.711743e-02 0.0005134327 -0.064539149 0.0242861934
## 138 -0.0920342015 9.140016e-03 0.0090131603 -0.081337947 0.0210485137
## 139 -0.0111309350 -6.839657e-03 -0.1197722759 0.007121694 -0.0613600504
## 140 -0.0553585276 -1.408292e-02 0.0749186189 0.009258386 0.0456275843
## 141 -0.0290702316 -1.015650e-02 -0.0198833501 0.028636586 -0.0111203646
## 142 -0.0331446036 -2.739221e-02 0.0619137465 0.001517315 0.0623144425
## 143 0.0464685043 3.634575e-02 0.0219116696 -0.032944242 0.0376837343
## 144 -0.0136346488 -3.129146e-02 -0.0224234816 -0.014422690 0.0100560743
## 145 0.0200379447 -2.725185e-02 -0.0028480561 0.045750993 0.0039234096
## 146 0.0582949209 1.863924e-02 0.0011020624 0.023199381 -0.0653759636
## 147 -0.0774305713 2.241745e-02 -0.0679744141 0.023424705 0.0238883856
## 148 -0.0388635757 -5.897916e-02 0.0022141190 0.025714928 0.0268489189
## 149 -0.0560756549 -1.260067e-02 -0.0490851794 0.070728920 0.0028036140
## 150 -0.0266725816 -6.830160e-02 -0.0179214706 0.010706306 0.0324143975
## 151 -0.0280242122 -1.222129e-02 0.0536569761 -0.015068510 -0.0475094200
## 152 -0.0180818275 -9.342468e-03 -0.0542444568 0.088065183 -0.0238091991
## 153 -0.0052338735 4.993322e-02 0.0074279030 -0.095892936 -0.0009173218
## 154 -0.1042949833 -4.176279e-02 0.0087451339 -0.024170799 0.0438373961
## 155 0.0570633602 -6.061364e-03 -0.0332341333 0.020036052 -0.0097788987
## 156 -0.0408218637 -2.414648e-02 -0.0160239637 0.026991246 0.0189323028
## 157 0.0239828083 -9.139422e-02 0.0740981892 0.051393676 0.0449213063
## 158 -0.0426551560 -6.852620e-02 -0.0611475743 -0.073484594 0.0035634656
## 159 0.0090182781 -4.826871e-02 0.0403663750 -0.118073455 -0.0523627430
## 160 0.0536068233 -1.213338e-02 -0.0149891926 -0.025916996 0.0097190610
## 161 0.0043522376 2.952433e-02 -0.0516010944 -0.087787306 0.0996584620
## 162 -0.0891231292 3.488201e-02 0.0411632322 0.026873666 0.0325285836

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## 163	-0.0054772284	7.773228e-02	0.0402280015	0.001114051	0.0001535269
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## 165	0.0774705542	3.305829e-02	0.0409600885	-0.042777066	0.0343647851
## 166	-0.0625181217	-3.813100e-02	-0.0592559777	0.030954365	0.0510859505
## 167	-0.0002065760	-3.787779e-02	0.0161134471	0.047970307	0.0583253256
## 168	-0.0214179305	-1.490114e-02	-0.0400108033	-0.042282071	0.0110599728
## 169	0.0365945223	4.992470e-02	-0.0214480570	-0.056160868	-0.0264952184
## 170	-0.0477002554	-2.757439e-03	0.0129357763	-0.078137562	-0.0424016207
## 171	-0.0702409905	6.262329e-02	-0.0147417383	0.008658036	-0.0001157012
## 172	-0.0417946802	-8.219739e-03	0.0112699830	-0.043873131	-0.0756228066
## 173	0.0076028689	1.478591e-02	-0.0917150333	0.018121084	-0.0021710018
## 174	-0.0583976205	5.186237e-03	-0.0040493941	-0.070552255	-0.0830678068
## 175	-0.0403632844	-8.150172e-02	-0.0165344420	-0.010971390	-0.0514646064
## 176	0.0399997532	4.355747e-02	-0.0066842506	0.009703230	0.1116253751
## 177	-0.0477686297	-6.711421e-02	-0.0299109669	-0.035034304	-0.0858087412
## 178	-0.0127526915	4.623836e-02	0.0257288261	-0.006188996	-0.0472830136
## 179	0.0065508572	-3.059422e-03	-0.0081877760	-0.107313778	0.0518957934
## 180	0.0039386180	1.061575e-02	0.0585647913	-0.028054265	-0.0180525946
## 181	-0.0134921712	9.428806e-02	-0.0236100865	-0.008655647	0.0208130396
## 182	0.0233558884	-6.463915e-02	0.0119459880	-0.035163375	-0.0073449907
## 183	0.0015763422	-3.676807e-02	-0.0988417984	0.032460997	-0.0232723409
## 184	0.0120324056	-1.150903e-01	0.0095196691	0.006375665	-0.0289717710
## 185	-0.0483319815	-4.832091e-03	0.0258041053	0.053052974	0.0121667885
## 186	0.0601947567	-5.405586e-02	0.1260333474	0.012095681	-0.0047276708
## 187	0.0811870996	-2.207218e-02	0.0400642429	-0.021110681	0.0576903838
## 188	0.0408066164	2.235535e-02	0.0264705090	0.010185497	0.0100673461
## 189	0.0685937202	1.955862e-02	-0.1061322003	0.053734674	-0.0343626601
## 190	-0.0307540137	-2.195401e-02	-0.0423720013	0.040570142	0.0057659178
## 191	-0.0872601254	-3.148226e-03	0.0555656794	0.010297236	0.0411781343
## 192	0.0446003231	-2.521078e-02	0.0314037867	0.065480933	-0.0664741963
## 193	0.0270264648	-2.525525e-02	0.0064321365	0.037287779	0.0007448444
## 194	-0.0292303404	-8.384827e-03	-0.0244408839	-0.062835089	-0.0484390530
## 195	-0.0351397759	-3.210111e-02	0.0819362295	0.005396644	-0.0196080060
## 196	0.0344120257	-1.782816e-02	0.0505565973	0.029447855	0.0373070106
## 197	-0.0128730493	-2.613252e-02	-0.0617186926	-0.071069895	0.0162630913
## 198	-0.0134159916	-8.942457e-02	0.0285210653	0.007208816	-0.0436619928
## 199	0.0365333170	8.767216e-02	0.0419720721	-0.030012713	0.0402013495
##	V141	V142	V143	V144	V145
## 1	0.0170336473	-0.0140516829	-1.660192e-03	-0.0158167447	-0.0408803376
## 2	0.0420102466	0.0414829797	-2.812973e-02	0.0143637237	-0.0070888339
## 3	0.0525915061	0.0167275755	-1.395136e-02	0.0129066158	0.0632738131
## 4	0.0226160790	0.0563743877	-7.037441e-02	0.0474269227	0.0738079125
## 5	-0.0661221876	-0.0280229659	-4.117321e-02	0.0632643570	-0.0893160334
## 6	-0.0956313435	-0.0434371693	1.725788e-02	-0.0422883458	0.0438193841
## 7	0.0099933560	0.0396749870	5.138828e-02	-0.0074327307	-0.0112112937
## 8	0.0584595501	-0.0610425354	3.308640e-02	-0.0748999690	0.1303466048
## 9	-0.0629537734	0.0085866203	-1.373518e-02	0.0076446642	0.0069068376
## 10	0.0126016480	0.0598726665	-5.960781e-02	-0.0298035077	-0.0679192679
## 11	-0.0034905522	-0.0254578978	2.299918e-02	0.0177052759	0.0281838621
## 12	-0.0836933994	-0.0062370618	2.699691e-02	-0.0101410872	-0.0052198072
## 13	0.0433598568	-0.0171302659	8.063566e-03	0.0954076598	-0.0749613807
## 14	0.0893772539	-0.0264409529	2.512054e-02	0.0030126937	0.0044893229
## 15	0.1001657808	-0.0321260309	1.031771e-01	0.0369031355	0.0928527971
## 16	0.0093070386	-0.0164263111	9.419177e-02	0.0742437935	0.0610642946

## 17	0.0323430872	-0.0006959541	-5.205679e-02	0.0215937406	0.0571091010
## 18	0.0206302547	-0.0016805510	3.439938e-02	0.0120995688	0.0390120563
## 19	0.0156594457	-0.0363903621	8.335559e-02	-0.0525685847	-0.0306909887
## 20	-0.0008444473	-0.0570255061	-8.055545e-02	0.0281575508	-0.1047118897
## 21	-0.0377992443	0.0067645045	-7.453330e-02	0.0726925789	0.0447322160
## 22	0.0455956522	0.0507005664	-5.236524e-02	0.0248253198	0.0567204612
## 23	0.0717643219	0.0312008542	2.343266e-02	-0.0576137633	-0.0381695371
## 24	0.0875075933	0.0440107005	4.410235e-02	0.0202662088	0.0050853500
## 25	-0.0206757235	-0.0570411392	6.783587e-03	-0.1157698642	-0.0098794130
## 26	-0.0201260592	0.0307505339	-3.103747e-02	0.0306356964	0.0073313868
## 27	0.1051793123	-0.0172111172	5.213395e-03	0.0648755192	0.0004767564
## 28	0.0005761982	0.0383064634	6.010667e-02	0.0596245020	-0.0179668865
## 29	0.0231053239	0.0465737659	-5.418549e-02	0.0090350601	-0.0414976146
## 30	0.0649014160	0.0132690220	1.427065e-02	0.0080998900	-0.0060948042
## 31	-0.0294989974	0.0294894073	5.305220e-02	0.0065768397	-0.1207452364
## 32	-0.0119420219	-0.0182000300	1.244305e-01	-0.0245726290	-0.0513192923
## 33	0.0529352415	0.0195877737	-2.369531e-02	0.0148324514	0.0162959601
## 34	0.0376832043	0.0069422031	5.596050e-02	-0.0441217797	0.0326358956
## 35	-0.0191130323	0.0206589159	-4.226882e-03	0.0152375376	0.0670498598
## 36	-0.0042407523	-0.0519933894	-1.094507e-02	-0.0583686970	-0.0202658349
## 37	0.0220439294	0.0076551667	-1.026691e-01	-0.0035109582	0.0021544579
## 38	0.0957786899	-0.0651090650	1.007064e-02	0.0131973959	-0.0625154225
## 39	0.0061503671	0.0340908376	5.268160e-03	-0.0317480959	-0.0003877518
## 40	0.0303428139	-0.0810953329	3.591200e-02	-0.0615758903	0.0347358897
## 41	0.0224770285	0.0521363942	5.110385e-02	0.0113058925	0.0096947796
## 42	0.0323826216	0.0085477714	1.194176e-02	-0.0507521849	-0.0462144950
## 43	-0.0281907173	-0.0086575093	6.305614e-03	-0.0107420740	-0.0303695717
## 44	-0.0069221080	-0.0317791939	-5.164189e-03	0.0241165004	-0.0642720438
## 45	-0.0106505795	-0.0139362344	-7.261126e-02	-0.0282440438	-0.0424622485
## 46	0.0162760168	-0.0139002178	-2.784156e-02	0.0683197060	-0.0021919634
## 47	0.0301513690	-0.0665134511	-6.334521e-03	0.0327580012	-0.0104922030
## 48	0.0081983312	-0.0297311185	3.015283e-02	0.0308816254	0.0662732422
## 49	-0.0253216429	-0.0111352966	-1.836968e-02	-0.0484376310	-0.0225058985
## 50	0.0249099250	0.0112977989	3.211790e-02	0.0812178705	0.0595999507
## 51	0.0574701285	-0.0379726047	-4.146472e-02	-0.0337437639	-0.0568209223
## 52	0.0016491072	-0.0210838189	-2.546659e-02	0.0432377214	0.0163375070
## 53	0.0284429864	0.0098101475	5.656980e-03	-0.0209883983	0.0447833527
## 54	0.0199243122	0.0192887323	-7.470053e-02	-0.0711969420	0.0631757407
## 55	0.0103122061	-0.0206603270	-2.434612e-02	0.0018957402	0.0254982900
## 56	0.0251430448	0.0346860288	-1.167954e-01	-0.0138625325	0.0398024363
## 57	-0.0531848332	-0.0163277058	-4.672585e-02	0.0129358438	-0.0329711579
## 58	-0.0261353452	-0.0191390891	3.945443e-02	0.0002853068	0.0108464417
## 59	0.0692839115	-0.0437351353	1.104260e-02	-0.0224758690	-0.0092166420
## 60	0.0464902482	0.0750578183	6.356549e-02	-0.0131781472	-0.0346847460
## 61	-0.0621211290	0.0756063637	1.072351e-01	-0.0393684362	0.0291270488
## 62	0.0543883988	0.0168265196	-1.308969e-02	-0.0434668819	0.0952642317
## 63	0.0081526873	-0.0128827445	-6.790236e-03	0.0166624803	0.0178064296
## 64	0.0131539315	0.0089023088	6.266431e-02	-0.0084266843	0.0099501732
## 65	0.0137208616	-0.0703932307	6.822938e-02	0.0180237494	-0.0449196073
## 66	0.0639229744	-0.0114022975	2.664350e-02	-0.0676623692	0.0761416824
## 67	0.0273715861	-0.0712405322	-5.324554e-02	0.0037516866	0.0082987931
## 68	-0.0179033250	-0.0502774312	-5.484613e-02	-0.0465465679	-0.0437779026
## 69	-0.0766136513	0.0070685244	2.350818e-02	-0.0471338727	0.0677086078
## 70	0.0122792131	-0.0661396611	-1.612837e-01	0.0126885905	0.0297719351

## 71	0.0175312383	-0.0268521182	5.072711e-02	0.0561612718	-0.0198405323
## 72	-0.0188237555	0.0223661128	8.624936e-03	0.0168267769	-0.0671360361
## 73	0.0592588430	0.0139528255	1.022158e-01	0.0053781651	-0.0258480349
## 74	-0.0664284496	0.0303490917	-2.863256e-04	0.0533002682	-0.0176622746
## 75	-0.0646725979	-0.0055273347	-1.709863e-02	0.0444687749	0.0179396503
## 76	0.0009195569	0.0073165627	4.368995e-03	-0.0351253666	0.0356879139
## 77	-0.0528869100	0.0571575419	-6.050658e-03	0.0502844736	0.0628828904
## 78	0.0008021608	-0.0171778463	6.827031e-03	-0.0393931755	0.0472535086
## 79	-0.0157574600	-0.0717637505	1.580612e-02	0.0697535934	-0.0168387479
## 80	0.0188558862	0.0344890602	-3.416167e-02	0.0368727041	0.0147111630
## 81	0.0152991531	-0.0210455012	4.785267e-03	0.0124488368	-0.0224868271
## 82	-0.1069841252	-0.0089708663	4.567066e-02	-0.0123674831	0.0376306470
## 83	0.0385834103	-0.0779462172	1.633806e-02	-0.0357806165	-0.0089261750
## 84	-0.0039007957	-0.0269998031	-2.606090e-02	-0.0369851563	0.0124060748
## 85	0.0252862766	0.0043922579	-2.907189e-02	-0.0516964889	-0.0304537253
## 86	0.0074827085	-0.0127326059	3.338284e-02	-0.0165355191	-0.0511419936
## 87	-0.0927147281	0.0382336320	8.713904e-02	0.0121571919	-0.0180319204
## 88	0.0368281513	0.0309300000	6.939806e-03	0.0056661436	0.0359919975
## 89	0.0663317499	-0.0018509713	2.066643e-02	-0.0297994748	-0.0699584401
## 90	-0.0712476515	0.0676049512	-1.347477e-02	0.1083541985	-0.0497364140
## 91	-0.0371439311	0.1078218170	-7.222559e-02	-0.0267424014	-0.0009288317
## 92	-0.0188378566	0.0102360417	-4.990219e-02	0.0138244245	-0.0520060435
## 93	0.0102687282	-0.0176911191	1.224121e-01	0.0545288797	0.0039656543
## 94	-0.0696349877	-0.0005116130	-3.169249e-02	0.0024548104	-0.0483594100
## 95	-0.0268241033	0.0199556038	-8.428511e-02	0.0385896552	-0.0300987001
## 96	-0.0717821518	-0.0254594144	-7.112865e-02	0.0258719453	-0.0889692755
## 97	-0.0425647854	-0.0604696357	9.287898e-02	0.0664814278	0.0048349630
## 98	0.0545491267	0.0090516633	-5.102470e-02	-0.0221616405	-0.0315596713
## 99	0.0204531521	0.0055711038	-1.730488e-02	0.0483962565	-0.0460765585
## 100	0.0406298321	-0.0341849251	2.656620e-02	0.0364958730	0.0625452688
## 101	-0.0325188380	0.0099554142	-3.310777e-02	-0.0093286196	0.0032477585
## 102	0.0040645918	0.0227891250	-6.448141e-03	0.0235187108	-0.0130222582
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## 104	0.0516738996	-0.0089728074	7.056893e-02	-0.0102821656	-0.0036918396
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## 108	0.0072288843	-0.0528487778	6.576796e-02	0.0492787941	-0.0104101329
## 109	-0.0285862860	-0.0281913356	5.660958e-02	0.0536461753	0.0662711116
## 110	-0.0031764950	0.0218764362	-1.333514e-02	0.0257720941	-0.0387836041
## 111	-0.0244848121	0.0768513602	-2.709005e-03	-0.0139464037	0.0744996723
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## 113	0.0338493895	-0.0160911878	6.221165e-03	0.0093699608	-0.0285266322
## 114	-0.0222108402	-0.0310923330	-7.457288e-02	-0.0069574131	-0.0021475749
## 115	-0.0458550830	-0.0147536736	1.125676e-01	-0.0018179357	0.0439550095
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## 118	-0.0010077495	0.0239346571	1.781404e-02	-0.0264945583	0.0380319422
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## 120	-0.0856831379	-0.0506043046	7.115678e-02	-0.0546656997	-0.0284014203
## 121	0.0028083909	-0.0089042422	-2.903463e-03	0.0251574672	0.0841001069
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## 125 0.0442099725 -0.0662098534 1.049230e-02 0.0057897419 0.0190220710
## 126 0.0655709239 -0.0383385109 -3.857545e-03 -0.0825442397 0.0564937586
## 127 -0.0326301083 0.0898097334 -2.113928e-03 -0.0297023921 -0.0348789027
## 128 -0.0601006221 -0.0243301103 1.041949e-01 0.0721547693 -0.0516106776
## 129 0.0234255820 0.0148340555 -5.628184e-02 -0.0985967957 0.0630124164
## 130 -0.0609546060 0.0763336218 -5.046856e-02 0.0217611615 -0.0151042962
## 131 -0.0064293156 -0.0342189310 -3.933773e-02 -0.0623303948 -0.0096232046
## 132 0.0247959022 -0.0020038104 5.415298e-02 -0.0285516848 -0.0404831193
## 133 0.0641620410 -0.0772855358 1.436522e-02 0.0542733398 0.0219035379
## 134 0.0756151263 0.0031185239 1.749137e-03 -0.0057195209 -0.0475472086
## 135 -0.0364090548 0.0219204006 -1.172193e-02 0.0027219592 0.0203690247
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## 137 0.0502603531 -0.0408504318 9.249442e-02 0.0241339985 -0.0509056507
## 138 -0.0207996514 -0.1024919784 -9.639316e-02 0.0433195578 0.0440764746
## 139 -0.0219898783 0.0186475376 -6.008045e-03 0.0353987954 0.0582052908
## 140 -0.0125561463 0.0148713152 -1.096766e-02 0.0022375696 0.0226308999
## 141 0.0552405211 -0.0076353239 6.264763e-02 0.0197758879 -0.0653355814
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## 144 -0.0252409594 -0.0643630531 -4.513522e-03 -0.0190213089 0.0095179851
## 145 0.0126671043 0.0341844959 2.064885e-02 -0.0051819192 0.0034496002
## 146 -0.0748544818 0.0078535746 -4.957098e-02 0.0082872500 0.0173042647
## 147 0.0326722106 -0.0608331871 2.960856e-03 -0.0071800943 0.0219841728
## 148 -0.0280105796 -0.0041826676 4.575306e-02 -0.0006885003 0.0131408429
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## 152 0.0062892713 -0.0077793304 -5.800766e-05 0.0309219683 -0.0049618786
## 153 0.1183346590 0.0471003192 -4.992735e-03 -0.0138255797 -0.0196774139
## 154 0.0050880011 -0.0437018720 -4.448745e-02 0.1397235124 -0.0350262935
## 155 0.0898811384 -0.0056176737 4.564715e-02 0.0397129532 -0.0055296574
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## 157 -0.0057145875 -0.1075010118 -2.925054e-02 0.0030361227 0.0337447970
## 158 -0.0097353365 0.0483795580 6.078913e-02 0.0210847399 0.0943888216
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## 161 -0.0308192791 0.0288586091 -2.570864e-02 0.0199508374 -0.0074566778
## 162 -0.0124060636 0.0286038938 -3.963627e-02 0.0473675127 0.0192547041
## 163 0.0357623674 -0.0103203467 -2.606175e-02 -0.0510140049 0.0225706424
## 164 -0.0171810164 -0.0058461263 -1.681300e-02 -0.0525828794 -0.0015615927
## 165 -0.0405637506 -0.0422872865 -6.949545e-02 0.0501302237 -0.0980699728
## 166 -0.0138634929 0.0341125671 -7.204894e-02 -0.0065813603 0.0863886419
## 167 0.0357063665 -0.0349668045 -8.088070e-03 -0.0726242087 -0.0400988123
## 168 0.0517622790 -0.0283875615 -3.802541e-02 -0.0370519519 0.0504698438
## 169 -0.0716111285 -0.0187414680 7.291610e-02 -0.0150250862 0.0157850685
## 170 -0.0493223222 -0.0609276618 -6.490033e-02 0.0202998308 0.0841248522
## 171 0.0076706103 -0.0149652792 -2.892354e-02 0.0305488315 -0.0191676438
## 172 -0.0172301397 -0.0403344316 -6.603497e-02 0.0057061483 -0.0350680078
## 173 0.0473339486 -0.0197675511 5.684164e-02 -0.0598839648 -0.0686643673
## 174 0.0408101996 0.0100151290 7.200992e-03 -0.0166794979 -0.0072279020
## 175 -0.0979756407 -0.0165063542 6.606839e-03 0.0039579887 0.0028606961
## 176 0.0206237071 -0.0590635346 2.354952e-02 0.0009385943 -0.0174791662
## 177 0.0299453665 -0.0928832347 -2.385947e-02 0.0531863699 -0.0339132739
## 178 0.0376780239 -0.0740119148 -5.590951e-02 -0.0695161433 0.0166548853

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## 179	0.0170048600	0.0158822215	8.179365e-02	0.0437728245	-0.0607048163
## 180	-0.0422020189	0.0240202858	-1.863110e-03	-0.0318102217	-0.0250366694
## 181	0.0258899879	0.0617286713	-5.030839e-02	0.0380003642	-0.0264466708
## 182	-0.0901537787	0.0072090981	5.813267e-02	0.0266182724	0.1192097663
## 183	-0.0266847850	0.0146093064	-3.618797e-02	0.0457770998	0.0290150600
## 184	0.0129633471	-0.0065678490	-5.839253e-02	0.0446602747	-0.0207676799
## 185	0.0496465392	-0.0051081973	-7.226259e-02	0.0031682541	0.0997638812
## 186	-0.0331183736	0.0252829285	3.979474e-02	0.0419816157	0.0007627369
## 187	0.0399234174	-0.0212443626	3.461604e-02	0.0310142075	-0.0350216360
## 188	0.0014192595	0.0606700716	-1.594592e-02	0.1135982978	-0.0861266163
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## 190	-0.0368010068	-0.0489779446	-1.369098e-02	-0.0426208577	-0.0347448667
## 191	0.0508206315	0.1240978097	-6.889731e-02	0.0095378998	-0.0297205913
## 192	0.0281554955	-0.0327926873	-1.529016e-02	-0.0221760925	-0.0143646779
## 193	-0.0760592139	0.0054281514	6.556656e-02	0.0848705929	0.0284721640
## 194	0.0675357971	0.1048825368	3.019746e-03	-0.0149017729	0.0081431108
## 195	-0.0052846535	-0.0112920195	3.970057e-02	-0.0177534881	-0.0309521936
## 196	0.0022144464	0.0404461672	-2.103394e-02	0.1004990972	0.0940122667
## 197	0.0934126338	-0.0715724839	-6.263591e-03	-0.0109553800	0.0444662095
## 198	-0.0536465132	-0.0352206035	-6.276205e-03	0.0304394961	-0.0206801555
## 199	-0.1009778126	-0.0233135071	-1.308227e-02	0.0170279146	-0.0112084257
##	V146	V147	V148	V149	V150
## 1	-0.0654114982	-0.0749842907	0.0033600505	5.609701e-02	-0.0289555478
## 2	-0.0177017012	-0.0128701751	0.0098157889	-2.551792e-02	0.0705562117
## 3	0.0262590775	0.0723396121	-0.0089408722	-2.374191e-02	-0.0906646831
## 4	-0.0283524222	0.0582002410	0.1234800540	-8.571326e-02	-0.0127705938
## 5	-0.0476006456	-0.0258972595	0.0009243797	3.873756e-02	-0.0470476277
## 6	-0.0027688922	0.0082773950	-0.0343876060	-8.975897e-02	-0.0289864766
## 7	0.0029447975	-0.0417932864	-0.0081918510	1.533754e-02	0.0265768592
## 8	0.0507195630	0.0455886237	-0.0527123680	-3.470497e-02	0.0387976923
## 9	0.0093518595	-0.0130972296	-0.0332015864	7.362402e-02	-0.0159412471
## 10	-0.0759887770	-0.0452198177	-0.0422279239	1.496791e-02	-0.0158827289
## 11	0.0340208909	-0.0532332100	-0.1175492208	7.928422e-02	0.0096051164
## 12	0.0113145702	0.0154102591	-0.0592905218	5.398144e-02	-0.0180126460
## 13	-0.0423780104	0.0389908031	-0.0319462823	-2.969099e-02	-0.0108862243
## 14	-0.0353695980	-0.0092684448	-0.0053956432	-2.433143e-02	0.0138021948
## 15	-0.0482217075	0.0150437729	-0.0180083022	6.582546e-03	0.0410258388
## 16	0.0132127735	-0.0555977608	-0.0361760599	-4.182075e-03	-0.0052082611
## 17	-0.0018605072	-0.0035160545	-0.0500340810	7.410080e-03	0.0558172736
## 18	-0.1172945718	0.0009710694	-0.0096408150	6.709531e-04	0.0675383811
## 19	-0.0184398484	-0.0439021824	-0.0922285307	3.864299e-02	0.0727837023
## 20	-0.0104852198	0.0067426107	0.0347514177	1.268655e-02	-0.0066161372
## 21	-0.0807299699	0.0234590265	0.0129453158	-7.910231e-02	-0.0105098292
## 22	0.0074475099	0.0360430504	0.0292987690	1.127673e-01	-0.0148017393
## 23	-0.0308247763	0.0550029699	0.0127150981	5.859895e-02	0.0084353692
## 24	0.0620174085	-0.0174844652	0.0589233639	3.616848e-02	0.0749369492
## 25	-0.0590610420	-0.0290735451	0.0375262748	3.363983e-02	0.0228616558
## 26	0.0296733851	0.0167207750	-0.0048727803	-6.761574e-02	0.0110380678
## 27	-0.0376104020	0.0185390383	-0.0392816360	1.514274e-02	0.0075698640
## 28	0.0074764501	-0.0274161324	0.0082254091	-2.299053e-02	0.0302183842
## 29	-0.0150046534	-0.0137871421	-0.0133533462	-6.074716e-02	0.0366144226
## 30	-0.0019133206	-0.0367922338	0.0993965716	1.913180e-02	-0.0205630746
## 31	0.0122457877	-0.0001708938	0.0247228916	-4.824672e-03	0.0339638491
## 32	0.0290629210	0.0133023295	0.0235935693	3.039886e-02	0.0110903479


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## 33  0.1341388077  0.0236719641 -0.1032703442  7.522635e-05 -0.0060210732
## 34 -0.0118958490 -0.1120429577 -0.0386484820  5.205683e-02  0.0449337880
## 35  0.0301295804 -0.0543268968  0.0129427574 -7.531602e-02  0.0238416524
## 36  0.0176407528  0.0072470368  0.0086743926  7.419770e-02  0.0853124264
## 37  0.0955301472 -0.0022378320  0.0193882180 -1.068218e-02 -0.0226094091
## 38  0.1022690183 -0.0205647272  0.1177111461  4.568342e-02  0.0339063594
## 39 -0.0267154859 -0.0186650903 -0.0960329156 -4.636750e-02  0.0385578103
## 40  0.0551004096  0.0714458536 -0.0454336815  7.496526e-03 -0.0136356104
## 41  0.0339024891 -0.0599718242  0.0128312342  4.894882e-02 -0.0623408129
## 42 -0.0506733292 -0.0180635512 -0.0154473735 -9.272989e-02 -0.0339946656
## 43 -0.0478699315  0.0046783322  0.0255883953 -7.068617e-02 -0.0199364852
## 44  0.0064554305  0.0469032866  0.0013877045  2.105479e-02 -0.0480308778
## 45  0.0359373916 -0.0057131023  0.0304154456 -6.652187e-02  0.0065771799
## 46  0.0127628051 -0.0725975683 -0.0119379100  6.635169e-02 -0.0138585499
## 47 -0.0879860926  0.0051969397 -0.0887362037 -1.790806e-02  0.0114776401
## 48  0.0434343688  0.0501539580 -0.0376964773  3.187657e-02 -0.0148257070
## 49  0.0322561448  0.0034658911 -0.0614794872  6.349110e-02  0.0381584856
## 50  0.0248818466 -0.0266554092 -0.0149824323 -7.639078e-02  0.0260293128
## 51  0.0312021719  0.0069969324  0.0193018870  1.814438e-02 -0.0727352398
## 52  0.0257048141  0.0773338084 -0.0580061623 -1.308893e-02 -0.0756406052
## 53  0.0384330022  0.0048147174 -0.0077737258 -3.181141e-03 -0.0237458289
## 54 -0.0321913819 -0.0017814070 -0.0112901557 -6.878270e-02 -0.0543377690
## 55  0.1006840612 -0.0763182571  0.0213224412  2.864644e-02  0.0308650493
## 56  0.0346172123  0.0371995111 -0.0363238663 -5.856585e-02 -0.0585200795
## 57  0.0079683142  0.0363734077 -0.0276389336 -7.828081e-03 -0.0009370081
## 58 -0.0164398263  0.0211847476 -0.0102669458  1.726542e-02 -0.0421135463
## 59 -0.0013069046  0.0054932372  0.0411652443 -2.554962e-02  0.0021538053
## 60  0.0508416829 -0.0133830535 -0.0262636526 -1.323008e-02 -0.0038865014
## 61 -0.0304024786  0.0148416313 -0.0556280083  2.886145e-02 -0.0611127640
## 62 -0.0210959931  0.0017243507  0.0484853371 -3.529002e-02 -0.0371926699
## 63 -0.0341642327 -0.0091181379 -0.0041372015 -1.798085e-03  0.0362125175
## 64 -0.0492121438 -0.1129307229  0.0645813674  3.418921e-02  0.0327960111
## 65  0.0267014149  0.0283089418  0.0618114350  4.088206e-03  0.0101793643
## 66 -0.0456252289 -0.0082531279  0.0131760224 -1.509859e-02  0.0276297639
## 67 -0.0334095159  0.0412867137 -0.0568691884 -1.057106e-02 -0.0175383542
## 68  0.0925313352 -0.0242315111 -0.0369373324 -1.029524e-02 -0.0250009269
## 69  0.0095782894  0.0482014620  0.0031895747 -7.064782e-02 -0.0206510220
## 70  0.0418258646 -0.0254036165 -0.0331399976  4.459233e-02 -0.0201682116
## 71 -0.0150093438 -0.0371188307  0.0065114404 -6.709024e-02  0.0597138378
## 72 -0.0454265182 -0.0526358766 -0.0637772632 -5.203931e-02 -0.0436991181
## 73  0.0171763477  0.0329854035 -0.0378932070 -3.279450e-02 -0.0926283576
## 74  0.0043723765  0.0949839981 -0.0750176997 -2.594798e-02  0.0083557845
## 75  0.0518578207  0.0280706762  0.0401619684 -2.797195e-02  0.0855987321
## 76  0.0029582704  0.0343693202  0.0101432130  4.950190e-02 -0.0103599794
## 77 -0.0402290831  0.0467245585  0.0278996572  6.038432e-02 -0.0173339123
## 78 -0.0072346318 -0.1096504960 -0.0116847384  2.887648e-02  0.0169398160
## 79  0.0312986338  0.0019944542 -0.0402252515 -3.591734e-02  0.0336455378
## 80  0.0207079749  0.0475960855 -0.0353794875  2.168744e-02 -0.0062925235
## 81  0.0690591920 -0.0570514516  0.0570273560 -1.065613e-02  0.0113049276
## 82 -0.0043342579 -0.0109724766  0.0230388780  2.811825e-02  0.0262105910
## 83 -0.0378536687 -0.0669857374 -0.0515878290  4.729403e-02 -0.0412492083
## 84 -0.0437948141 -0.0078344500 -0.0027549359 -7.609005e-03  0.0555542517
## 85 -0.0784801076  0.0976184443 -0.0032676878 -7.527668e-02  0.0180879124
## 86  0.0138702703  0.0810352162  0.0968797506 -1.701941e-02 -0.0766106655

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## 87 -0.0183542591 0.0639260536 0.0069559525 -1.423742e-02 -0.0457882681
## 88 -0.0179615423 0.0166836067 -0.0421236639 -5.495675e-02 -0.0426158826
## 89 -0.0219267458 -0.0077341697 -0.0107411702 6.015520e-02 -0.0245376301
## 90 0.0310110364 0.0147024744 0.0243133741 5.241450e-02 -0.0191188074
## 91 -0.0236816022 -0.0110119278 -0.0278141659 -7.384119e-02 0.0897819166
## 92 -0.0351416016 -0.0302270438 -0.0522296801 -2.631901e-02 -0.0377996296
## 93 -0.0009369231 0.0641476858 0.0086877356 7.994982e-02 0.0171923131
## 94 0.0218329070 0.0072106727 -0.0282608545 -3.454031e-02 0.0338690503
## 95 -0.0088533550 0.0226046791 -0.0001180790 5.316469e-02 0.0487646929
## 96 0.0667853826 -0.0486218436 -0.0003316315 -7.825851e-02 -0.0042943937
## 97 0.0599176806 -0.0403502934 0.0241925628 -8.939723e-03 -0.0332264557
## 98 0.0491915247 -0.0853194957 -0.0046174317 6.003567e-02 -0.0895062483
## 99 0.0450525341 0.0050587378 0.0402678336 7.402771e-02 0.0351591504
## 100 -0.0255348879 -0.0588824837 0.0434400950 1.812335e-02 -0.0003203613
## 101 0.0151758930 0.1218728079 -0.0220973043 8.634608e-02 0.0224375763
## 102 0.0074322533 -0.0530011945 -0.0671001342 1.643831e-02 0.0559072146
## 103 -0.0096526106 -0.0360436797 0.0223870008 -3.163170e-02 0.0008426154
## 104 0.0323909463 -0.0018391427 -0.0806109074 -3.914584e-02 -0.0080526021
## 105 0.0129227594 -0.0364159490 0.0543807176 -1.247117e-02 -0.0070115043
## 106 -0.1063657558 -0.0688458431 -0.0073027052 -4.343724e-02 0.0591961440
## 107 -0.0207145288 -0.0353038182 0.0031265958 -1.402749e-02 -0.0381946869
## 108 -0.0484461049 -0.0373245156 0.0241987337 -5.282292e-03 0.0268341517
## 109 0.0379321778 -0.0559952525 0.0287999814 7.348667e-03 -0.0500490303
## 110 -0.0020465724 -0.0101770211 0.0208838745 -9.598459e-03 0.0380307509
## 111 0.1029400787 -0.0294262731 -0.0463166853 -5.269736e-02 0.0699368160
## 112 0.0175886528 -0.0240003882 -0.0668958965 5.548029e-02 -0.0169147752
## 113 -0.0131013448 0.0677236828 -0.0837240826 3.198788e-02 0.0040055259
## 114 -0.0684636780 0.0513720608 -0.0062237240 3.287281e-03 -0.0471874401
## 115 0.0498783083 0.0190324265 -0.0396188148 -9.075084e-02 -0.0075043547
## 116 -0.0687796048 -0.0534966600 0.0132472354 1.285206e-02 0.0094050045
## 117 0.0100445022 0.0496088242 0.0195986991 2.395467e-02 -0.0690470436
## 118 0.0320587610 -0.0589831865 0.0305252330 2.032020e-02 -0.0006100712
## 119 -0.0948425017 0.0028971795 -0.0765958621 1.230555e-02 0.0677067472
## 120 -0.0187579073 0.0261669780 -0.0161074362 3.260727e-02 0.0898046355
## 121 -0.0372572910 -0.0780921007 0.0002217570 -1.708336e-02 0.0055698813
## 122 -0.0730247166 -0.1189291575 0.0598956330 2.419857e-02 0.0271102131
## 123 0.0094833061 -0.0536609063 -0.0382925429 4.020818e-02 0.0185565328
## 124 0.0357177164 0.1001042620 -0.0177407017 -1.763153e-02 -0.0519259453
## 125 -0.0238843617 -0.0414357386 -0.0295562470 -3.871368e-02 -0.0195924714
## 126 -0.0498739765 -0.0622099982 0.0497636622 -2.082545e-02 -0.0802800637
## 127 0.0457170259 0.0873257312 -0.0115451958 -6.344148e-04 -0.0453592489
## 128 -0.0156638180 -0.0396335437 0.0255453886 6.957407e-03 -0.0497790431
## 129 0.0939456537 -0.0271637923 -0.0565062968 1.407155e-02 0.0193348458
## 130 -0.0515873709 0.0593053062 -0.0153024484 5.693019e-02 -0.0485850234
## 131 -0.0295555656 0.0511720349 0.0039094985 -7.027389e-02 -0.0144420563
## 132 -0.0086120474 0.0007787104 -0.0058871018 2.866213e-03 -0.0425735741
## 133 -0.0040276688 0.0249577993 -0.0031425685 5.282426e-03 -0.0068035366
## 134 -0.1040045896 -0.0480149324 -0.0167462662 6.617047e-02 -0.0302483709
## 135 0.0002423906 -0.0093304358 -0.0813845112 -7.129921e-02 0.0485013761
## 136 0.0014096527 0.0065031506 -0.0061819168 -1.376236e-01 0.0715291600
## 137 -0.0708454302 0.0851568276 -0.0236575255 -1.018383e-01 -0.0375076623
## 138 -0.0296183832 -0.0475273969 -0.0198477810 3.323268e-02 -0.0391213868
## 139 -0.0042448171 -0.0131505576 0.0410781040 -6.729868e-02 -0.0056057854
## 140 -0.0202827889 -0.0240119896 0.0175330588 -6.337362e-03 -0.0118675580

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## 141 0.0061022042 0.0692471435 0.0289078690 -4.834759e-02 -0.0477144863
## 142 0.0808557267 -0.0270850092 0.0546946466 -4.605334e-02 0.0258209962
## 143 -0.0008789417 0.0995072097 -0.0273156157 6.070265e-03 -0.0026264640
## 144 -0.0561461691 0.0343388707 0.0074029366 1.925309e-02 0.0973147497
## 145 0.0033534937 -0.0159504149 0.0371156430 6.855537e-02 0.0460668680
## 146 0.0065535693 -0.0076649711 0.0172134171 2.456937e-02 0.0414305472
## 147 0.0186263254 0.0326276812 -0.0007904488 2.422013e-02 0.0294780152
## 148 0.0465048132 0.0391787221 0.1365515926 5.426176e-02 0.0251761737
## 149 -0.0410197967 -0.0480768368 -0.0152930129 -2.191787e-02 -0.0648860291
## 150 0.0600098402 -0.0015882555 0.0211766365 1.384023e-04 0.0235620429
## 151 -0.0531910101 -0.0255823064 -0.0159121101 -3.936841e-02 -0.0431102304
## 152 -0.0259298938 0.0687899594 0.0727345411 6.993200e-02 0.0505182599
## 153 0.0343582166 -0.0547114272 0.0006692747 2.362544e-02 0.0406720548
## 154 0.0104899622 -0.0073537471 -0.0465437819 -7.409653e-03 -0.0214324545
## 155 -0.0067629989 0.0556177198 -0.0257529082 4.160760e-03 0.0221419928
## 156 -0.0292295248 -0.0395866529 -0.0584745830 -2.871741e-02 0.0126414665
## 157 -0.0617468798 0.0331042547 0.0153822490 -6.401229e-02 -0.0507993791
## 158 0.0236110026 -0.0157459289 -0.0266551413 9.084966e-02 -0.0572153784
## 159 0.0768299728 -0.0109324985 -0.0837550184 5.540079e-02 -0.0823452984
## 160 -0.0520501201 -0.0717026997 0.0148571765 4.980302e-02 0.0002147788
## 161 -0.0033361243 0.0202990848 0.0229508674 8.013615e-02 -0.0083785996
## 162 0.0163474959 0.0716268396 0.0436163955 -7.410104e-02 0.0898811506
## 163 -0.0128825891 0.0343487540 0.0076755272 4.765126e-02 0.0031208666
## 164 -0.0039783158 0.0469436433 0.0531630717 7.115959e-02 0.0278155022
## 165 -0.1025533565 -0.0869177956 -0.0131632381 6.273890e-02 0.0512422025
## 166 -0.0395233231 0.0114894508 0.0793942878 -1.521473e-02 0.0082993296
## 167 0.0458558776 0.0517617215 -0.0412922444 7.153200e-02 0.0224348299
## 168 0.0006616651 -0.0021546084 -0.0141881093 5.101058e-02 -0.0242980586
## 169 -0.0009523470 -0.0165956952 -0.0330040803 -1.043536e-01 -0.0406741748
## 170 0.0911632759 0.0072334883 -0.0311357960 2.693687e-02 0.0257878960
## 171 0.0392455644 0.0667715787 0.0629783197 1.398272e-03 -0.0136771350
## 172 -0.0545381810 -0.0631319858 -0.0770550104 5.502772e-02 0.0912494593
## 173 0.0230641661 -0.0106980637 -0.0491762323 4.637983e-02 0.0663032293
## 174 0.0078865932 -0.0041082465 0.0952755748 5.732576e-02 0.0125686721
## 175 0.0249884093 0.0441172758 0.0050338236 -1.752757e-02 0.0273243209
## 176 -0.0477168308 -0.0300374009 -0.0825242831 7.732550e-03 0.0248709381
## 177 -0.1168654855 0.0159812012 0.0563988183 -1.042223e-02 0.0568825424
## 178 -0.0848913072 -0.0054846225 0.0651662621 1.277581e-01 0.0341692704
## 179 -0.0596325960 -0.1117626350 0.0430217905 3.391932e-02 -0.0069266267
## 180 -0.0477389411 -0.0575435784 0.0527886659 8.432690e-02 -0.0256120507
## 181 -0.0349040819 0.0417789723 0.0073666185 -1.992507e-02 0.0042855275
## 182 0.0162457804 -0.0245556228 -0.0141687876 2.720686e-02 0.0170822261
## 183 0.0559067522 0.0689619222 -0.0136085523 7.283668e-02 0.0040821502
## 184 0.0645582374 -0.0647307268 0.0150640018 -9.633407e-03 -0.0166827316
## 185 0.0314809717 0.0210107670 0.0715612016 6.862871e-02 -0.0218767739
## 186 -0.0514625327 0.0174057064 0.0050172935 -6.011289e-02 0.0092872841
## 187 -0.1196290934 -0.0002646680 0.0147511777 -1.120713e-01 0.0184757188
## 188 0.0321493847 -0.0044411599 -0.0231623912 -7.066134e-02 -0.0770636713
## 189 0.0304700762 -0.0451909894 0.0023617311 -5.588837e-02 0.0346925020
## 190 -0.0139757760 0.1001449187 0.0644970121 5.641996e-03 -0.0205566352
## 191 -0.0437102288 0.0791605711 -0.0165779509 -4.077239e-02 0.0202150229
## 192 0.0025756893 -0.0095916558 0.0975523984 5.053801e-02 0.0085189112
## 193 0.0866724650 0.0553308593 -0.0225690560 4.146069e-02 0.0573824204
## 194 -0.0019663031 -0.0167232441 -0.0552888050 4.886456e-03 -0.0096879497

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## 195	-0.0175967714	0.0374751516	0.0077982581	1.606223e-02	-0.0286507509
## 196	0.0876722169	-0.0278642771	-0.0587026774	1.283812e-02	-0.0101281517
## 197	-0.0643903413	0.0219008819	-0.0378697766	-6.500620e-02	-0.0506707547
## 198	-0.0798478048	-0.0480994650	0.0400814455	-6.339908e-02	0.0873178129
## 199	0.0054318999	-0.0319695109	-0.0476867849	4.826012e-03	0.0400970960
##	V151	V152	V153	V154	V155
## 1	-0.0124544886	4.135387e-02	-3.086103e-02	0.0487549131	-0.0389282640
## 2	-0.0233194044	-1.284743e-02	9.381113e-03	-0.0367580703	0.0420680380
## 3	-0.0211675763	-8.814693e-02	-5.431600e-02	-0.0274743556	-0.0151627354
## 4	0.0434123246	-8.337118e-03	-2.228670e-02	-0.0533146877	0.0450949752
## 5	0.0425864940	-4.458638e-02	1.301504e-02	-0.0152852050	-0.0008499024
## 6	-0.0344715492	4.010538e-02	8.001049e-03	0.0433166567	-0.0309973504
## 7	0.0277135715	-1.285995e-02	4.500538e-03	-0.0239820150	-0.0247162378
## 8	-0.0747661991	-2.783519e-02	-5.509349e-02	-0.0579290624	0.0231755153
## 9	0.0022459129	-4.091517e-02	-6.640052e-02	0.0586623576	-0.0657125143
## 10	0.0574401065	-3.851393e-02	-2.181587e-03	-0.0203560681	-0.0334858887
## 11	0.0587089290	-6.990801e-02	-2.053227e-02	-0.0491351105	0.0535518245
## 12	0.0373531451	2.049133e-02	-4.420306e-02	-0.0421447377	0.1186795493
## 13	-0.0472261072	-2.963453e-02	-6.646122e-02	-0.0486878699	-0.0046937245
## 14	-0.0612779786	-5.276447e-02	1.316079e-02	-0.0925050506	-0.0115871366
## 15	0.0770357018	5.643112e-02	-1.657796e-02	0.0452404443	-0.0243373068
## 16	-0.0904700080	2.220630e-02	4.101688e-02	0.0320506119	-0.0400738389
## 17	0.0618525630	1.276903e-02	3.596275e-02	0.0049987335	-0.0633342839
## 18	-0.0325332421	-8.542909e-03	5.573520e-02	-0.0251136725	0.1082348367
## 19	0.0817740871	-5.708890e-02	1.991153e-02	0.0041310692	0.0291246643
## 20	0.0040867928	-4.285513e-02	2.194760e-02	-0.0404427779	0.0419347103
## 21	0.0717404364	-1.077326e-01	-7.414809e-02	-0.0501307137	0.0384414597
## 22	0.0522675737	-5.121543e-05	-4.946127e-02	0.0189492239	0.0027298063
## 23	-0.0096449000	8.158447e-03	-3.782544e-02	-0.0632621829	-0.0022523693
## 24	0.0407546735	-4.373882e-03	-2.129604e-02	-0.0359339482	-0.0106333653
## 25	-0.0006980064	-1.175282e-02	-1.235915e-02	0.0553628493	0.0387087915
## 26	-0.0286151366	-7.161523e-03	-6.275704e-02	-0.0028289138	-0.0469719267
## 27	-0.0112296714	-9.465469e-02	-8.696553e-02	0.0220213949	0.0661461276
## 28	0.0017075107	-3.421758e-02	1.458839e-03	-0.0108998347	-0.0138026816
## 29	0.0456608519	5.563042e-02	-8.187590e-03	-0.0707556940	0.0691755122
## 30	0.0006500610	-8.751162e-03	-5.155935e-03	0.0528588019	-0.0996867676
## 31	0.0284153125	-1.064068e-01	-4.000882e-02	0.0263288816	-0.0354495881
## 32	0.0155622370	2.851296e-02	-9.259064e-03	-0.0181354316	0.0419702903
## 33	0.0281839729	-4.736115e-03	5.372838e-02	-0.0279256610	0.0396272763
## 34	-0.0887568214	-6.264704e-03	-3.906613e-02	-0.0667701462	0.0318446607
## 35	0.0097652560	-7.359919e-02	7.090403e-02	-0.0500261370	0.0145191004
## 36	0.0153697389	-5.092998e-02	-4.979949e-03	-0.0002357926	0.0263428313
## 37	-0.0967204971	-2.603358e-02	2.728379e-02	-0.0307300902	-0.0729367441
## 38	-0.0303475255	-3.014487e-02	-4.740816e-02	0.0219847943	-0.0475787674
## 39	0.0538837214	7.036335e-04	4.091282e-03	-0.0582726475	-0.0312348670
## 40	0.0130384940	-7.676197e-03	-1.661320e-02	0.0704016007	-0.0945499136
## 41	0.0094284975	3.985486e-02	1.266128e-02	0.0403949624	0.0684785986
## 42	0.0078287059	-2.037667e-02	1.871277e-02	0.0031860005	-0.0815222771
## 43	-0.0532154293	4.723762e-02	-4.775024e-03	0.0021158056	0.0519381259
## 44	-0.0125774045	-9.447005e-02	3.677045e-02	-0.0271627340	0.0440578278
## 45	-0.0729652781	-7.591548e-02	-8.442235e-03	-0.0122649434	-0.0139402850
## 46	-0.0545195733	1.777300e-02	-1.790359e-02	-0.0049489056	-0.0513762715
## 47	-0.0348703872	-9.381302e-03	-3.887249e-03	-0.0436659276	0.0191670310
## 48	-0.0111710835	-7.606153e-02	-4.357963e-02	0.0248401890	-0.0044201822

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## 49 0.0508182414 1.453953e-02 -2.200942e-02 -0.0343677141 -0.0490473661
## 50 0.0555726521 -3.731969e-02 -2.691335e-03 0.0075308897 0.0918864344
## 51 -0.0437936275 7.312106e-03 -3.277708e-03 -0.0357956217 0.0343367424
## 52 -0.0467606184 -4.402536e-02 -5.922336e-02 -0.0234640216 -0.0288867674
## 53 -0.0099158874 2.429184e-02 -1.935963e-02 0.0245665372 -0.0660900496
## 54 0.0457032442 -2.005689e-02 5.823170e-02 0.0327159688 -0.0749709141
## 55 -0.0391941344 3.951762e-02 1.006712e-02 0.0417045666 0.0473835062
## 56 0.0354979486 4.030332e-02 1.140066e-02 0.0610960143 -0.0001209450
## 57 0.0041846995 -5.204400e-02 -3.389626e-02 0.0127618859 0.0041489142
## 58 -0.0771220916 3.475057e-02 -4.951966e-02 -0.0388966996 0.0360871511
## 59 -0.0418414114 -2.876049e-02 1.566750e-02 0.0681634622 0.0098117637
## 60 -0.0137389716 -1.634281e-02 -3.355770e-02 0.0478000587 0.0008206086
## 61 0.0492348259 7.170374e-05 2.455789e-02 0.0313654298 -0.0168417828
## 62 -0.0690363715 3.197168e-02 5.983410e-02 -0.0401862182 0.0100080811
## 63 -0.0399316470 -9.435542e-04 2.254373e-02 -0.0691910678 0.0377790605
## 64 0.0026194698 1.332704e-02 -4.972166e-02 0.0126451070 0.0660968584
## 65 -0.0352106165 -6.562681e-02 3.814212e-02 0.0633935258 -0.0014595762
## 66 -0.0189458146 7.337650e-02 5.649454e-02 0.0787723566 0.0257256472
## 67 0.0164476414 7.209215e-02 1.195889e-02 -0.0335345220 0.0619221921
## 68 -0.0812744006 1.922762e-02 -3.953986e-02 0.0366849327 0.0686454077
## 69 -0.0163074501 -2.321858e-03 -1.223955e-01 0.0896249464 0.0322554352
## 70 0.0190976150 -1.520913e-02 1.168208e-02 -0.0099663451 0.0037300504
## 71 0.0109561429 -8.328912e-02 9.276918e-04 0.0354842982 0.0404591519
## 72 0.0188968351 4.957600e-02 3.649159e-02 0.0046204913 -0.0067935681
## 73 0.0593340912 -1.524707e-02 1.712817e-02 -0.0252955447 -0.0111492294
## 74 -0.0288375724 6.796054e-03 -1.171828e-02 0.0066960257 0.0315535226
## 75 0.0032135559 -5.674301e-04 -5.157766e-02 0.0039647069 -0.0342577787
## 76 -0.0413126074 4.867840e-03 -2.511518e-03 0.0241538449 -0.0226566779
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## 83 -0.0569696609 9.079797e-02 3.379528e-02 0.0564419944 0.0535172802
## 84 -0.0078876105 -1.179541e-02 5.274862e-02 -0.0410990746 0.0386502108
## 85 -0.0605530183 1.967292e-02 3.382817e-02 0.0323019094 -0.0092973942
## 86 0.0191226263 4.652057e-02 -3.054153e-05 0.0120742706 0.0078120966
## 87 -0.0449831376 -3.816099e-02 -3.187052e-02 -0.0803136479 0.0028175972
## 88 -0.0320549089 6.180613e-02 1.666616e-02 -0.0390719441 -0.0130021032
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## 90 -0.0820918754 -6.465808e-03 -1.023683e-02 -0.1184152179 0.0959806309
## 91 -0.0093284664 -1.428475e-02 5.763443e-02 -0.0376909264 -0.0524402551
## 92 -0.0192832085 4.200313e-02 5.316518e-03 -0.0139067048 0.0081875491
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## 96 0.0029647799 4.322592e-02 9.577177e-03 0.0327880492 0.0489705675
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## 103 0.0273923387 4.356681e-02 1.233657e-02 -0.0682428664 -0.0287185852
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## 108 0.0714111709 6.109086e-02 2.136701e-02 0.0302056733 0.0389931541
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## 110 -0.0973450722 -3.161959e-02 1.123730e-02 -0.0033549149 -0.0480174018
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## 115 -0.1040694307 2.314803e-02 1.206217e-02 0.0071917953 -0.0487205031
## 116 0.0863910141 1.055395e-02 -1.853133e-02 0.0534304882 0.0162151545
## 117 0.0337407184 -3.905064e-02 4.588267e-02 -0.0242382993 0.0324302358
## 118 -0.0193899016 -3.045896e-02 -5.225262e-02 -0.0675014861 0.0216714022
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## 120 0.0112056414 1.048121e-02 -6.382701e-02 -0.0828868876 0.0980120584
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## 122 -0.0507523443 5.090829e-02 -5.889520e-03 -0.0615413503 -0.0193388508
## 123 -0.0521092913 -9.699387e-02 3.905599e-02 0.0023888424 -0.0097877967
## 124 -0.0349731076 4.260491e-02 -7.099440e-02 0.0224137480 0.0235789425
## 125 -0.0118101642 -2.711679e-02 -3.317058e-02 0.0281027607 -0.0509872250
## 126 -0.0128183689 4.151439e-02 6.641355e-02 0.0149946540 -0.0346712057
## 127 -0.0177047033 5.735889e-02 2.206856e-03 0.0479151894 -0.0330601992
## 128 -0.0592595997 -7.162510e-02 2.805412e-02 -0.0369256476 0.0304421607
## 129 0.0237269640 -8.874390e-03 -1.110960e-02 -0.0031283426 0.0707772352
## 130 0.0727880910 -4.499145e-02 -7.687316e-02 -0.0539021612 0.0547161006
## 131 0.0171370459 -1.753047e-02 4.330945e-02 0.0503425065 -0.0624141616
## 132 -0.0589493316 1.360858e-04 -1.049204e-01 -0.0366477078 -0.0117542634
## 133 0.0653132294 -1.332632e-02 -3.891383e-02 0.0479309055 -0.0478714202
## 134 -0.0104281234 -3.377491e-02 1.936765e-03 0.0428201664 0.0463191831
## 135 -0.0834353603 2.004215e-02 3.688185e-02 -0.0575416886 0.0487913908
## 136 -0.0134299865 5.705770e-02 2.799458e-02 0.0322824587 -0.0830589548
## 137 -0.0059783342 2.231005e-03 -1.512203e-02 -0.0986308953 0.0953924515
## 138 0.0187227629 3.967050e-02 -2.413193e-02 0.0917551253 0.0347320261
## 139 -0.0033336621 -2.259973e-02 5.671951e-02 0.0098746835 0.0426985214
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## 141 0.0667043645 -8.673031e-02 4.367763e-02 0.0431817074 -0.0274488285
## 142 0.0335636213 5.548752e-02 7.260307e-02 -0.0376752208 0.0498418310
## 143 0.0194899283 -6.588138e-02 -2.558055e-02 0.0596487377 0.0393713216
## 144 -0.0481629535 -7.052240e-02 -2.735389e-02 0.0193230297 0.1028177495
## 145 0.0540340105 -6.670002e-02 2.600923e-02 0.1236921055 -0.0377238393
## 146 0.0111509271 2.508293e-02 1.413180e-02 0.0255204485 -0.0914710458
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## 148 -0.0154295501 4.638348e-04 -3.445867e-02 0.0576660620 0.0713752209
## 149 -0.0175180727 6.127780e-02 4.075740e-02 -0.0380730935 0.0242879088
## 150 0.0052168608 -4.895964e-02 4.545604e-02 -0.0137224893 0.0254898184
## 151 0.0043283136 3.417995e-02 4.160646e-02 0.0604172287 -0.0514305224
## 152 -0.0248433331 2.746963e-02 -6.830281e-02 -0.0163121350 -0.0025367583
## 153 -0.0670729598 8.210726e-03 7.229061e-03 0.0039522004 -0.0325872272
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## 155 0.0623103387 1.057765e-01 -7.492698e-03 0.0078719051 -0.0279230566
## 156 -0.1227890775 -8.039133e-02 2.646868e-03 0.0655482764 0.0394485836

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## 157 0.0671335289 -7.251957e-02 -7.769284e-02 0.0301137192 -0.0415628871
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## 159 -0.0443083436 -3.829877e-02 -3.062103e-02 -0.0173787930 -0.0182847682
## 160 0.0515618727 -7.124742e-02 5.194009e-02 -0.0082761658 -0.0153211253
## 161 -0.0896013965 -2.258895e-02 1.273460e-02 0.0423221710 0.0538525100
## 162 0.0114170375 1.057967e-02 -1.734867e-02 -0.0038413989 -0.0062856212
## 163 -0.0594082458 3.496507e-02 9.072571e-02 -0.0082176498 -0.0413275421
## 164 -0.0248847569 -2.288806e-03 1.157966e-02 0.0123381505 -0.0075333519
## 165 -0.0304990743 -6.130656e-02 -5.573446e-02 -0.0303075074 -0.0030550373
## 166 0.0423088401 4.959884e-02 2.930123e-02 -0.0252840798 0.0280011179
## 167 -0.0328313627 9.119237e-03 -2.969199e-02 0.0117594196 -0.0159011905
## 168 -0.0586211117 -2.044157e-02 9.434081e-04 0.0031678752 0.0038933994
## 169 0.0035825063 3.914006e-02 1.275199e-02 0.0190012689 0.0033405799
## 170 -0.0220899458 2.230184e-02 -2.764472e-02 -0.0306554499 0.1092229047
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## 176 0.0444932148 -6.044734e-02 4.676255e-02 -0.0629113536 0.0552118572
## 177 -0.1086304941 -5.773043e-02 -5.666565e-03 0.1204785115 0.0437618155
## 178 0.0237230093 1.098025e-02 -2.756659e-02 0.0016952422 -0.0289525376
## 179 0.0731805626 1.012772e-02 1.013995e-02 0.0059376867 0.0627949998
## 180 0.0168785671 -4.732974e-02 8.479144e-02 -0.0243010198 -0.0065652885
## 181 -0.0344600530 -2.419407e-02 -1.635979e-02 0.0008629870 -0.0764318844
## 182 -0.0213809365 4.996157e-02 -2.892260e-02 0.0632412504 0.0188878307
## 183 0.1307176517 8.997978e-03 1.257774e-03 0.0810341739 0.0744374627
## 184 0.0474883625 1.572128e-03 -3.127922e-02 -0.0009897520 0.0042236174
## 185 -0.0257882820 -5.370627e-02 -8.016555e-02 0.0673804626 -0.0993344938
## 186 -0.0514735016 -2.455531e-02 2.692718e-02 0.0236579513 0.0799684606
## 187 0.0335492888 2.402678e-02 -1.239426e-02 -0.1220939080 -0.0141358409
## 188 0.0446900826 2.133593e-02 5.570403e-03 -0.0281548902 -0.0018622216
## 189 -0.0134795022 3.279716e-02 -4.689058e-02 -0.0271938379 -0.0006179846
## 190 0.0418702851 1.055384e-02 -2.990169e-02 0.1338049570 -0.0431353431
## 191 0.0007124387 -1.065869e-02 -4.927046e-02 0.0651883638 0.0560081570
## 192 -0.0372297446 -8.412250e-03 -2.423948e-02 0.0239220795 0.0050322561
## 193 -0.0126732051 8.135062e-02 1.162021e-02 0.0283907574 -0.0158296881
## 194 -0.0223274720 -1.394015e-02 4.230065e-03 -0.0625231471 -0.0582387058
## 195 0.0385112232 1.054274e-03 -4.595213e-02 0.0357153309 0.0036019004
## 196 -0.0103646754 -1.467565e-03 -2.488594e-02 -0.0223530703 0.0786212863
## 197 0.0377921156 -1.156340e-02 5.491590e-02 -0.0623711446 -0.0202129603
## 198 -0.0660909400 3.053564e-02 1.187835e-02 -0.0371838958 -0.0688242096
## 199 -0.0760331863 -3.491601e-02 -5.461325e-04 0.0334786217 -0.0003820722
##      V156      V157      V158      V159      V160
## 1  -0.0121003082 -0.0145786646 2.124289e-02 -0.1034732001 0.0292933944
## 2  -0.0518791409 0.0238741017 -2.832016e-02 -0.1354295287 -0.0223491569
## 3  -0.0711054857 -0.0082132595 -2.922951e-02 0.0877696271 0.0105721376
## 4   0.0133860458 -0.0196598294 -5.954647e-02 -0.0439283957 0.0417343480
## 5  -0.0251170377 0.0177210378 5.203014e-02 0.0423879642 0.0310199201
## 6   0.0747010782 -0.0168797247 9.329604e-02 0.0109120298 -0.0469913144
## 7   0.0179630744 0.0678253031 9.970958e-02 0.0201242223 0.0663916966
## 8   0.0407832485 0.0422147989 -5.397086e-02 0.0727820854 0.0303041912
## 9  -0.0099473669 -0.0091700157 4.848332e-02 0.0546818527 0.0014784230
## 10  0.0377983615 0.0413765022 -1.486099e-02 -0.0041441864 -0.0630476078

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## 11	-0.0002296013	0.0132343509	8.333838e-03	-0.0462000909	0.0562132849
## 12	0.0395059144	0.0495619202	3.036679e-02	0.0128043257	0.0529892544
## 13	-0.0027396038	0.0273287529	-3.651952e-02	0.0316103026	0.0114470473
## 14	-0.0544713878	0.0513799252	1.053787e-02	-0.0219573649	-0.0119076104
## 15	0.0541119597	-0.0192132779	-8.387861e-02	0.0245403837	0.0498268758
## 16	0.0534595150	0.0528505972	-3.084587e-02	-0.0521867306	-0.0754226103
## 17	-0.0180121740	0.0881380177	1.568642e-02	0.0419094730	-0.0016154099
## 18	-0.0985075855	-0.0453551327	-3.280231e-02	-0.0119077007	0.0346623133
## 19	-0.0422030970	-0.0119349564	6.489279e-04	0.0399431506	-0.0342202149
## 20	0.0467618250	0.0580096339	3.934800e-02	-0.0017274859	0.0738438253
## 21	-0.0944403509	-0.0575627344	3.588872e-02	-0.0255993547	-0.0448009180
## 22	-0.0323638166	0.0156894930	4.239541e-02	0.0315657515	-0.0351576278
## 23	-0.0633343507	0.1137975757	-7.540091e-02	0.0082252184	0.0212462768
## 24	-0.0099780822	-0.0744061763	1.024176e-01	-0.0066091228	-0.0833432701
## 25	-0.0502798517	0.0380504445	1.136786e-02	0.0476935040	-0.0141341217
## 26	0.0099598011	-0.0103649115	-4.829599e-02	0.0369368945	0.0279307987
## 27	-0.0718606560	0.0974673324	3.417031e-02	0.1129951979	-0.0156409733
## 28	-0.0758680384	-0.0120478555	1.731157e-03	-0.0051229242	-0.0081559461
## 29	0.0180482712	0.0087591639	1.466920e-02	-0.0064599437	0.0078869644
## 30	-0.0533959268	0.0348457015	6.159849e-02	-0.0512269132	0.0165969026
## 31	-0.0598409489	-0.0426387829	-1.364049e-01	-0.0395296589	0.0405676251
## 32	0.0496211767	0.0531483861	-4.589246e-03	0.0334322851	0.0524685079
## 33	0.0704422721	-0.0135664821	3.737720e-02	-0.0523451906	0.0213837047
## 34	-0.0142902990	0.0653320063	-8.298347e-03	-0.0422282157	-0.0053363467
## 35	0.0725573011	0.0440632619	-6.393671e-02	0.0522185681	-0.0019987484
## 36	-0.0413146777	-0.0231490577	-5.132810e-02	0.0553367718	0.0481802102
## 37	-0.0486955740	0.0070312710	-2.305708e-02	-0.0729296192	0.0541406094
## 38	0.0456163288	0.0652443615	-4.268942e-02	-0.1239486637	-0.0689056021
## 39	-0.0230676438	-0.0460388631	6.485035e-02	0.1197455228	-0.0249487456
## 40	0.0253254849	-0.0101880115	1.705678e-02	0.0484111057	-0.0121577306
## 41	0.0594009745	0.0263349095	-4.438228e-03	-0.0396739363	0.0682285673
## 42	-0.0556199470	0.0400434661	2.750946e-02	-0.0087977015	-0.0589586054
## 43	0.0633576518	0.0141291741	-2.376128e-02	0.0472515043	0.0098464335
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## 47	0.0195367266	-0.0247208172	1.340998e-01	-0.0381018968	-0.0325436117
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## 54	-0.0015334510	-0.0017120301	3.183887e-02	0.0493143117	0.0392374599
## 55	-0.0148294031	-0.0083008060	5.023974e-03	-0.0050343635	-0.0181027555
## 56	-0.0894848840	0.0393192298	-3.532981e-02	0.0335407484	0.0239244489
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## 58	0.0228972812	-0.0024989993	4.486340e-02	-0.0091638566	-0.0048121635
## 59	0.0390048805	-0.0689396769	5.980788e-02	0.0039372171	-0.0111108218
## 60	0.0565095565	-0.0304910652	7.634741e-03	-0.0369004083	-0.0964716266
## 61	0.0028032669	-0.0466384004	-5.670200e-02	0.0647047737	-0.0134828262
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## 67	0.0254399141	-0.0548167952	5.742291e-02	0.0150246976	0.0082210037
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## 71	-0.0473961807	0.0104064112	-3.562293e-02	0.0162820631	-0.0257044897
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## 73	-0.0160870877	0.0202228217	2.013263e-02	-0.0492391597	-0.0148659523
## 74	-0.0043809583	-0.0242311629	-1.134204e-01	0.0055467152	0.0506674687
## 75	0.0151831488	0.0382720526	-1.051069e-01	-0.0544929852	-0.0381618825
## 76	0.1271911271	-0.0112729954	9.228264e-03	0.0296639800	-0.0630985274
## 77	0.0581209063	-0.0142289167	1.635641e-02	0.0573782476	-0.1044542186
## 78	0.0415989024	-0.0542588318	5.014383e-02	-0.0380213517	-0.0143865240
## 79	-0.0322781482	0.0524734705	-1.095760e-03	-0.0391271415	-0.0496837332
## 80	0.0120735677	-0.0312791152	3.809075e-02	-0.0071010769	-0.0133506531
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## 119 -0.0545920431 0.0196045674 1.632643e-02 0.0013228021 0.0569303539
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## 123 0.0151650169 0.0432198996 5.274802e-02 0.0691646748 0.0372644490
## 124 0.1147541315 -0.0463757924 6.686967e-02 0.0253441892 0.0230486769
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## 133 0.0464606219 -0.0152884660 3.499200e-02 -0.0029814489 -0.0065902913
## 134 -0.0477853905 0.0224715669 -4.152223e-03 -0.0216977098 -0.0402160061
## 135 0.0170667648 0.0151901512 3.152431e-02 -0.0320421380 -0.0326126519
## 136 0.0124388072 0.0969212627 -6.513393e-03 0.0312314094 0.0555112177
## 137 0.0231035639 -0.0277547625 -2.651074e-02 0.1089195759 0.0408617016
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## 194 0.0020829525 -0.0287794364 7.645625e-04 -0.0306507224 0.0277439182
## 195 -0.0508542106 0.0313094188 -9.076715e-05 -0.0570598212 0.0538627417
## 196 0.0358411927 -0.0616453298 7.761216e-02 -0.0074086634 -0.0412135518
## 197 -0.0460601539 -0.0126991182 -1.590969e-02 -0.0393662435 0.0341674419
## 198 -0.0473354471 0.0262837480 -3.489915e-02 -0.0404894236 -0.0281245345
## 199 -0.0248299990 0.0736216793 4.478768e-02 0.0119126449 -0.0191023018
##          V161          V162          V163          V164          V165
## 1 0.0363082180 0.0215348448 -0.0425443196 -1.923843e-02 0.0260615153
## 2 -0.0900781773 0.0441193115 -0.0309575399 5.169782e-03 0.0086267107
## 3 0.0043523611 -0.0594828983 -0.0080081261 -3.955220e-02 0.0543701306
## 4 0.0481567133 0.0793639604 0.0290486828 6.415630e-02 0.0032314240
## 5 -0.0335544957 -0.0742841807 0.0302132172 2.402339e-02 -0.0045855931
## 6 -0.1003328140 -0.0172472814 -0.0131428399 -6.753087e-02 0.0171229566
## 7 -0.0122642417 -0.0250702310 0.0183111331 2.606570e-03 0.0588518764
## 8 0.0174681542 0.0170569147 0.0009457537 7.929199e-02 -0.0540069619
## 9 0.0638805363 -0.0065827763 -0.0613409757 -4.755537e-02 0.0409211399
## 10 -0.0158871423 0.0142149851 0.0040953426 4.972222e-02 0.0393321690
## 11 0.0118508594 0.0287703117 -0.0162490074 -3.853672e-03 -0.0434790723
## 12 0.0069280110 0.0407579751 -0.0319827242 5.447228e-02 0.0136698512
## 13 -0.0084705474 0.0580219426 0.0265539658 -1.445698e-02 -0.0181585618
## 14 0.0501285037 -0.0415965186 0.0115740721 -3.777019e-02 0.0039036066
## 15 0.0532801752 0.0255172414 0.0134900531 -4.774819e-02 -0.0622304905
## 16 -0.0029188171 0.0375567086 -0.0141812000 2.270901e-02 -0.0607522942
## 17 -0.0303286698 -0.1159087209 -0.0347974597 -1.833411e-02 -0.0058057804
## 18 -0.0414262999 -0.0347999872 0.0349447200 5.940697e-02 0.0131236151
## 19 -0.0360268942 -0.0476505000 -0.0379451102 7.972892e-02 -0.0099656007
## 20 0.0200405236 -0.0015728330 -0.0277185655 -2.436465e-02 0.0504558144
## 21 -0.0709924591 -0.0675969312 0.0025680132 -3.605494e-02 0.0350896528
## 22 -0.0394209802 -0.0043740600 0.0148555709 6.495345e-02 0.0050500064
## 23 -0.0707645523 -0.0052542200 0.0384899967 -9.525990e-03 0.0233309760
## 24 0.0062721144 0.0490214577 -0.0206752832 -2.305496e-02 0.0008145843
## 25 0.0633767313 0.0356324085 0.0213748416 -1.290040e-02 0.0433200715
## 26 0.0195472513 -0.0270221521 -0.0781369946 1.862434e-03 0.0375623268

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## 27	0.0071351881	0.0048030639	-0.0227460421	6.531273e-02	-0.0637726228
## 28	-0.0661953354	-0.0509890561	0.0314587139	7.556473e-02	0.0264881280
## 29	-0.0064394180	-0.0320089400	-0.0229015720	-2.034961e-03	0.1006128634
## 30	-0.0273579738	-0.0223598955	0.0276973796	2.396950e-02	-0.0620923756
## 31	-0.0079070519	0.0085731213	-0.1015541786	1.397534e-03	0.0316030468
## 32	0.0067080252	-0.0052204704	-0.0065572399	2.060081e-02	-0.0058515570
## 33	0.0022275765	0.0714852078	0.0187403343	5.807494e-02	-0.0158508435
## 34	-0.0392750047	-0.0525188310	-0.0112073762	4.396479e-03	-0.0368365271
## 35	-0.0262889804	0.0572396257	-0.0664524906	3.397833e-02	0.0117004591
## 36	0.0565488109	0.0309599913	-0.0575947043	-8.175819e-03	-0.0914952949
## 37	0.0407105478	0.0012873531	-0.0115638045	5.130586e-02	-0.0243728483
## 38	0.0201316516	-0.0244155507	-0.0142940782	-2.531068e-02	0.0066227738
## 39	-0.0431164393	0.0445361224	0.0517147852	-6.869566e-03	-0.0195633656
## 40	0.0948100586	-0.0133901132	0.0329070249	-8.921451e-02	-0.0023475493
## 41	0.0671933879	0.0512589899	0.0254957892	8.222327e-02	-0.0358637717
## 42	0.0375491276	0.0038595158	-0.0150935288	-1.252707e-02	-0.0367405287
## 43	-0.0093574153	0.0060777821	-0.0473546373	-2.078072e-02	0.0257818909
## 44	0.0031938463	0.0150422432	0.0263359931	-8.477112e-02	-0.0375627407
## 45	-0.0787384894	0.0030981270	-0.0309779582	-8.247478e-03	0.0782899921
## 46	0.0712748836	0.0039413010	0.0245234842	-1.081755e-02	-0.0215382175
## 47	0.1237350862	-0.0952428892	0.0069606817	-1.714593e-04	0.0119439464
## 48	0.0268612439	-0.0403799715	-0.0012644536	-9.429967e-02	-0.0105147409
## 49	-0.0029061165	0.0092217531	0.0211539891	-1.794791e-02	-0.0172002027
## 50	-0.0263448042	0.0334197303	0.0563290584	-7.149692e-02	-0.0493373550
## 51	-0.0390956462	-0.0231835041	0.0557068748	2.559767e-02	0.0179912501
## 52	0.0088469199	0.0624411448	-0.0334669201	-4.071119e-02	-0.0492775187
## 53	0.0506633982	0.0446915785	-0.0237719102	-3.035214e-02	0.0072335605
## 54	-0.0172055006	-0.0406794848	0.0285341696	1.826078e-01	-0.0032490146
## 55	-0.0243187817	-0.0305533614	0.0183713586	3.940528e-02	0.0393187091
## 56	0.0245615634	0.0449532742	-0.0375971337	2.753760e-02	-0.0391846500
## 57	-0.0735009806	-0.0670091843	0.1045638656	7.270413e-03	0.0098576011
## 58	0.0562165233	0.0272128409	-0.0416278252	-3.274901e-02	-0.0098015902
## 59	0.0228050460	-0.0142135352	0.0306830154	3.998923e-03	0.0051531925
## 60	0.0048879882	0.0272587560	-0.0186049342	1.929062e-02	-0.0134778634
## 61	-0.0206807780	-0.0205432496	-0.0240684255	-4.405670e-02	0.0123521441
## 62	-0.1024823861	-0.0791164004	0.0708381346	-4.831295e-02	-0.0208606362
## 63	0.0501167916	0.0458132954	-0.0291329540	-2.469196e-02	0.0462557553
## 64	-0.0340685703	0.0676479823	-0.0304214718	2.869505e-03	-0.0075832432
## 65	0.0186214117	-0.0132596523	0.0347349446	2.659304e-02	0.0143141366
## 66	0.0416953197	-0.0540151062	-0.0385187415	-2.791698e-02	0.0482303760
## 67	-0.0223703347	0.0111752567	-0.0748960736	-8.918370e-03	0.0743723634
## 68	0.0065216071	-0.0776366774	0.0280520493	-5.582337e-02	0.0043709654
## 69	0.0088693310	-0.0691615249	-0.0175955981	-4.965238e-02	-0.0263068423
## 70	-0.0060191820	0.0157627655	0.0091382451	-3.706464e-02	-0.0537044780
## 71	-0.0419680846	-0.0119328213	-0.0920782859	3.987018e-02	-0.0051205481
## 72	0.0312340316	0.0215476507	0.0280839176	5.234216e-02	0.0086163337
## 73	0.0165459694	0.0083204133	-0.0500143769	2.843690e-02	0.0337517153
## 74	0.0017779380	0.0009979342	0.0115428905	1.726109e-02	0.0442286783
## 75	-0.0049039328	0.0284848748	-0.0488326584	-5.855076e-02	0.0145466496
## 76	-0.0623880247	-0.0361559648	-0.0425868314	1.607524e-02	-0.0019471442
## 77	-0.0413890144	0.0176090471	-0.0255036550	-4.265345e-02	0.0220832403
## 78	0.0423234312	-0.0574300483	0.0540265068	1.678432e-02	-0.0073726851
## 79	-0.0734386610	0.0443733301	0.0239731195	1.400669e-02	0.0570900554
## 80	-0.0124219666	-0.0599735755	-0.0458065610	2.987076e-02	0.0564658703

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## 81 -0.0137528977 0.0305445128 0.0134402964 -1.800529e-02 -0.0209286119
## 82 -0.0335179593 0.0075897836 -0.0231203202 1.697520e-02 0.0379775444
## 83 -0.0213477584 -0.0397582789 0.0686282094 3.023337e-02 -0.0345254530
## 84 0.0411041639 0.0316106354 0.0051581062 9.008648e-03 0.0227299089
## 85 -0.0429251908 -0.0255013131 -0.0570014267 1.379062e-02 0.0512523879
## 86 0.0188332371 -0.0500089528 -0.0319253900 -6.096198e-02 -0.0117626782
## 87 -0.0284307798 0.0366223003 -0.0006863037 -5.962618e-03 -0.0090290944
## 88 0.0586580686 0.0702286978 -0.0370729386 -5.002220e-02 -0.0173748771
## 89 -0.0582281258 0.0570691628 0.0103428709 -1.200436e-02 0.0011209630
## 90 0.0034561433 -0.0168294341 0.0516939948 -5.489378e-02 -0.0330552083
## 91 0.0224845195 0.0675016843 0.0839256201 -3.631796e-02 -0.0546017609
## 92 -0.0871841615 0.0813516357 -0.0714847136 -1.689710e-02 0.0714983453
## 93 -0.0549669901 0.0104552755 -0.0246112580 -2.683671e-02 0.0645622901
## 94 0.0162337908 -0.0037901390 -0.0280111756 -5.876560e-03 0.0310816837
## 95 0.0379706553 -0.0380804605 -0.0496779341 -1.363569e-03 -0.0561162472
## 96 -0.0329328772 -0.0679307622 -0.0043121735 1.617080e-03 0.0114177034
## 97 0.0428182933 0.0169601092 0.0115697169 7.861723e-02 0.0085213378
## 98 -0.0455911329 -0.0207436686 0.0420543167 -1.131765e-01 -0.0892942892
## 99 -0.0164680271 0.0233425933 -0.0924895078 -2.661658e-02 0.0259780329
## 100 -0.0389093272 -0.0053277034 -0.0232392651 -3.946056e-02 0.0610062582
## 101 0.0025165183 0.0846052630 -0.0391525055 -5.744653e-02 0.0419890893
## 102 0.0317201145 -0.0108129280 0.0262949969 -1.239049e-02 -0.0737823853
## 103 -0.0061524545 0.0248230141 -0.0906562013 5.890936e-03 0.0109264259
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## 105 -0.0492285655 0.0926081675 -0.0473097161 6.591741e-02 0.0285711378
## 106 -0.0580164072 0.0250383018 -0.0407262380 1.454046e-03 -0.0782684081
## 107 0.0482542176 0.0398313093 -0.0208773568 -5.362929e-03 0.0304894547
## 108 -0.0339223508 -0.0014688400 -0.0655815016 2.991929e-02 0.0275576886
## 109 -0.0563056863 -0.0511687422 -0.0884244172 -1.892721e-02 -0.0497824124
## 110 0.0071139703 0.0340411515 0.0408778017 -9.380365e-03 -0.0253536356
## 111 0.0399692759 -0.0446020898 0.0232173919 1.260731e-02 0.0453228569
## 112 0.0181770533 -0.0318976833 0.0146089793 3.424610e-03 0.0391796984
## 113 -0.0269979889 0.0111330934 -0.0381295893 -1.720453e-02 0.0291254870
## 114 -0.0561778638 -0.0397241693 0.0274079494 2.358251e-02 -0.0072804287
## 115 -0.0337484941 -0.0076830536 0.0826448529 2.379004e-02 0.0278788399
## 116 0.0236322468 0.0449257646 -0.0246029453 -5.937167e-02 -0.0258283440
## 117 -0.0376770116 -0.0002073089 -0.0286138117 -5.386885e-03 0.0287478136
## 118 0.0411638336 -0.0022270259 0.0165900058 -1.274959e-02 0.0327567525
## 119 0.0241571923 -0.0333664844 0.0712367201 -1.925561e-02 -0.0346463924
## 120 -0.0054362521 -0.0034411697 0.0124112747 2.824413e-02 -0.0427902403
## 121 0.0334001039 0.0238441229 -0.0366850857 -3.391439e-02 -0.0839872405
## 122 -0.0497515294 0.0438424556 0.0174368113 -4.371307e-02 -0.1106933874
## 123 0.0175230412 0.0077345438 0.0560496321 -1.261983e-02 0.0363031129
## 124 -0.0132709864 -0.0150773412 0.0460968551 1.006574e-01 -0.0297398500
## 125 0.0043716457 0.1248751115 -0.0791092174 4.554166e-03 0.0318679775
## 126 -0.0332997613 0.0874188127 -0.0392582918 -5.764147e-03 -0.0122885895
## 127 -0.1360623793 -0.0606919488 0.0177407711 4.676751e-02 -0.0471526435
## 128 0.0013047807 -0.0143912445 -0.0221288785 3.625231e-02 -0.0273407117
## 129 0.0440013426 -0.0153234868 -0.0168277946 -3.196868e-02 0.0576348261
## 130 -0.0237416196 -0.0068760423 0.0053016500 1.410616e-02 -0.1153381846
## 131 0.0629233594 -0.0357274264 -0.0219474690 -5.256274e-02 -0.0548651614
## 132 -0.0308373260 -0.0442420461 -0.0092824678 5.248674e-02 0.0094423052
## 133 0.0954524146 -0.0254637149 0.0482621717 7.945400e-03 -0.0643599510
## 134 0.0725185709 -0.0294457047 -0.0594506590 -1.775121e-02 0.0361055339

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## 135 0.0235335909 -0.0387880325 -0.0518599753 6.550562e-04 0.0905257743
## 136 0.0456039241 0.0705707492 0.0138186534 1.400876e-02 -0.1061503906
## 137 0.0904510607 -0.0286289201 0.0545692652 -8.374821e-02 -0.0089829336
## 138 0.0315482662 0.0002591816 -0.0379267715 -4.138967e-02 -0.0315126967
## 139 -0.0852118673 0.0235448084 -0.0104548543 3.185264e-02 0.1064898254
## 140 0.0237381824 -0.0131802651 -0.0061774532 -1.989566e-02 0.0316447155
## 141 0.0605152963 -0.0295266888 0.0104447150 -2.526109e-02 0.0370850486
## 142 -0.0220721982 0.0542362055 0.0379464249 -2.537461e-02 -0.0051233903
## 143 -0.0090263784 0.0256498799 -0.0150388712 2.332302e-02 -0.0117301123
## 144 0.0092370930 0.0124506045 0.0201766148 7.199966e-02 -0.0444050142
## 145 0.0506650255 0.0097967641 -0.0053969505 3.527898e-02 -0.0548433864
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## 147 -0.0030864034 -0.0033983799 -0.0925052745 -5.115266e-02 -0.0251792418
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## 149 0.0510839559 -0.0724677024 -0.0482651333 -4.403450e-02 0.0626489517
## 150 -0.0675014172 0.0446852803 0.0456570534 1.918103e-02 -0.0158380069
## 151 0.0490739401 -0.0143794613 0.0004144969 6.314383e-02 0.0238960239
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## 155 0.0322294913 0.0410896012 -0.0482357899 -6.062069e-02 0.0429699419
## 156 0.0358315854 0.0510240909 0.0064872643 4.389260e-02 -0.0182360745
## 157 -0.0258980425 0.0692642245 -0.0031858560 -3.129245e-02 0.0255174754
## 158 -0.0317110078 0.0132598207 -0.0300956460 -5.765005e-03 -0.0151266373
## 159 -0.0362968923 -0.0417467414 -0.0429001131 -7.293846e-02 -0.0111194770
## 160 0.0206300039 0.0197214080 -0.0072598704 -1.853141e-02 -0.0481783071
## 161 0.0106934656 0.0082908091 -0.0985120448 3.762428e-02 0.0887833728
## 162 -0.0198925335 0.0298302042 -0.0214399911 5.490532e-02 0.0072862930
## 163 0.0305789390 -0.0142857838 -0.0366690869 5.252225e-02 0.0699208881
## 164 -0.0844517160 0.0083835185 0.0343177619 1.739062e-02 -0.0240594021
## 165 -0.0008556529 0.0015532925 0.0452494043 -2.673182e-03 -0.0602688646
## 166 -0.0112259148 -0.0052110542 -0.0418004481 3.997180e-03 -0.0236983803
## 167 0.0002933470 -0.0023314997 -0.0574665501 -3.725650e-02 -0.0095780183
## 168 -0.0267989812 0.0258526812 0.0567643475 -3.020795e-02 0.0189263094
## 169 -0.0323116290 -0.0504718721 0.0075853407 7.323965e-02 -0.0140183299
## 170 -0.0678617214 0.0255238322 0.0511015030 -4.211211e-02 -0.1013865526
## 171 -0.0352436397 -0.0940238797 -0.0236563067 -1.926200e-02 -0.0213410541
## 172 0.0154606273 0.0050533715 -0.0256233485 -6.920276e-05 -0.0242411770
## 173 -0.0323527303 -0.0017311916 0.0169818534 4.096366e-02 -0.0162272982
## 174 -0.0614433186 -0.0563252372 0.0197081734 6.706978e-02 0.0185207851
## 175 0.0156018340 -0.0355656480 -0.0427553053 4.728527e-02 -0.0351559033
## 176 0.0777042119 0.0147667006 -0.0047302997 4.768472e-02 0.0424280241
## 177 0.0445776143 0.0885863843 -0.0159168318 -6.401884e-03 0.1167931028
## 178 -0.0052890932 0.0562800756 0.0295501405 5.476086e-02 -0.0047925288
## 179 0.0337688248 0.0534598848 -0.0575014829 1.512533e-02 0.0686305039
## 180 0.0035564872 -0.0236994130 0.0763850083 -4.589151e-03 -0.0118636918
## 181 -0.0359523663 0.0452041670 -0.0641522194 3.820723e-04 0.0506650342
## 182 0.0002469112 -0.0196861228 -0.0450585260 -9.015901e-03 -0.0824431667
## 183 0.0137460457 0.0239615667 0.0378683300 -2.301952e-02 -0.0307136545
## 184 -0.0250719627 0.0083953790 0.0425926808 6.405696e-02 0.0310825572
## 185 0.0317833374 -0.0462848320 0.0105942102 -3.019477e-02 -0.0328407908
## 186 0.0183598433 -0.0855948527 -0.0949717405 7.149003e-03 0.0574312691
## 187 0.0109233250 -0.0390372114 -0.0831277490 -2.128675e-02 -0.0289683245
## 188 -0.0110669182 0.0031928504 0.0355754075 2.955683e-03 0.0051809075

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## 189	0.0325248681	-0.0289068056	0.0327448560	2.014676e-02	0.1122735690
## 190	-0.0643674300	0.0726158774	0.0436076241	-7.667615e-02	0.0080074242
## 191	-0.0148305947	-0.0349001512	-0.0191151159	-9.270048e-02	0.0453971995
## 192	0.0290580426	0.0199150130	-0.0040532044	3.391377e-02	-0.0054670744
## 193	-0.0092444019	-0.0285986132	-0.0433261477	5.434759e-02	-0.0513068686
## 194	0.0274510733	0.0510614699	0.0111495770	9.571507e-02	-0.0098155404
## 195	0.0401729749	-0.0495680050	-0.0012179103	4.132561e-02	-0.0199814190
## 196	0.0239474546	-0.0584472724	-0.0537822920	-1.189741e-02	0.0143408411
## 197	-0.0372715942	0.0916407545	0.0205109502	2.574208e-02	-0.0908785786
## 198	-0.0043441226	-0.0223515182	0.0134365513	6.477110e-02	0.0172947324
## 199	-0.0527815674	-0.0458380052	-0.0487462252	9.782686e-02	0.0263307021
##	V166	V167	V168	V169	V170
## 1	0.0008441867	0.0136488447	2.717142e-02	0.0377680393	0.054087778
## 2	-0.0345958341	0.0661675084	-8.613923e-02	0.0580177385	-0.007758172
## 3	0.0153311418	-0.0126455499	-3.828190e-02	0.0391739738	-0.004826786
## 4	-0.0163950199	-0.0084705309	4.809684e-02	-0.0660774581	-0.041265989
## 5	0.0290462015	-0.0396080687	-1.023680e-02	0.0608726128	0.010340692
## 6	0.0390347726	-0.0903181497	2.732524e-02	-0.0029495163	-0.024733743
## 7	0.0599504961	0.0102519124	7.941961e-02	-0.0327940461	0.030161061
## 8	-0.0435276539	-0.0132887857	-2.887215e-02	0.0099820803	-0.006721131
## 9	-0.0038077888	0.0213365207	-3.068914e-02	-0.0736899942	-0.009698519
## 10	0.0240358775	-0.0033721483	-2.122669e-02	-0.0681955093	-0.053311082
## 11	-0.0515698920	0.0476334129	-3.228993e-02	0.0408142882	0.024790328
## 12	-0.0557023053	-0.0559951116	2.023779e-02	-0.0260786492	-0.049969045
## 13	-0.0333138043	-0.0267334174	-4.669652e-03	0.0540390161	-0.045375890
## 14	-0.0776076663	0.1162203720	-2.231783e-02	-0.0132195603	-0.016421838
## 15	-0.0657951437	-0.0427577253	8.920181e-03	0.0109640201	-0.056559603
## 16	-0.1074605876	0.0019563453	-8.542223e-03	-0.0817178926	0.045654217
## 17	0.0251914314	0.0566086940	-2.144164e-02	0.0386218169	-0.025698420
## 18	-0.0190511271	-0.0150249908	-3.335522e-02	-0.0240877909	-0.016261532
## 19	0.0322622940	-0.1051206323	-7.793559e-03	0.0212363574	0.101208743
## 20	0.0074115450	-0.0175221962	-4.894719e-02	-0.0135950170	0.045773195
## 21	0.0800506459	0.0073800499	5.021130e-02	0.0102721227	0.013190408
## 22	-0.0211018082	0.0170569110	1.843246e-02	0.0699735482	-0.021889629
## 23	0.0160746133	-0.0189651296	2.106035e-02	0.0413856341	0.013385176
## 24	0.0350986610	0.0105039814	-3.078375e-02	0.0227354046	-0.070020927
## 25	0.0060611539	-0.0714621107	-2.057918e-02	0.0256534526	-0.038034368
## 26	-0.0670259767	0.0391977363	-2.113894e-02	-0.0226265629	-0.034362395
## 27	-0.0182645486	-0.0127118545	4.504769e-02	-0.0011723821	-0.006869727
## 28	-0.0111374823	-0.0558864604	8.590457e-05	-0.0941461283	0.110008427
## 29	0.0324361381	0.0402623932	-5.299675e-02	0.0252751031	-0.029855070
## 30	-0.0081341717	-0.0228599763	2.778035e-02	-0.0613922748	0.073510680
## 31	-0.0741988121	-0.0146270519	-2.489018e-02	0.0038228100	-0.075972589
## 32	0.0083173808	-0.0035326432	6.199976e-02	0.0127106776	0.072006544
## 33	-0.0529448736	0.0110215850	3.155622e-03	0.1025266283	-0.029361125
## 34	0.0553239349	-0.0213126294	-9.221746e-03	-0.0488779118	0.059497801
## 35	-0.0036630100	0.0083383287	1.323440e-02	-0.0170523879	0.063473711
## 36	0.0181957180	0.0934140079	1.942913e-02	-0.0355279278	0.025855705
## 37	-0.0053698246	-0.0100016664	-7.646609e-02	-0.0192769837	0.070861945
## 38	0.0234256363	0.0531234033	-6.522813e-03	0.0234928750	0.015562049
## 39	0.0783101504	0.0396451395	2.588349e-02	0.0731670983	-0.034491737
## 40	-0.0009127537	0.0077829012	-4.650715e-02	-0.0608204222	-0.064999337
## 41	0.0316079365	-0.0320806037	4.692441e-02	-0.0015046547	0.016746063
## 42	-0.0502253028	0.0575742833	6.959624e-02	-0.0883117751	-0.017867997

## 43	-0.0500208462	0.0411375310	4.398058e-02	0.0425037142	0.014695807
## 44	0.0260677941	0.0323525453	-8.040718e-03	-0.0487566310	-0.119042889
## 45	-0.0086794054	-0.0426660723	-2.076710e-02	0.0413448750	0.010260517
## 46	-0.0329475354	0.0021795872	6.753282e-03	0.0562603686	0.055172457
## 47	-0.0234010623	0.0058953094	7.909815e-02	0.0408616786	0.034179668
## 48	0.0084290339	0.0372664540	9.380781e-03	0.0128973061	-0.007784614
## 49	-0.0166970165	0.0533049916	3.825313e-02	0.0691317084	0.028223764
## 50	0.0475834587	-0.0324702850	-2.391044e-02	-0.0321353439	0.009669496
## 51	-0.0170608061	-0.0515336719	1.165069e-01	-0.0555890273	-0.124348252
## 52	0.0033068118	-0.0308950331	-3.248143e-02	-0.0166193895	0.074136095
## 53	-0.0284751746	0.0019856713	5.161258e-02	-0.0345436430	-0.039576754
## 54	0.0498098200	-0.0152749330	-6.052892e-02	0.0578713785	0.084189153
## 55	0.0319042532	0.0133486590	2.342031e-02	0.0769740827	-0.018957126
## 56	-0.0220592565	-0.0907843315	-1.900598e-02	-0.0074520396	0.028035456
## 57	0.0222109120	0.0095094686	-4.259193e-02	-0.0334409907	-0.037196239
## 58	-0.0382317372	-0.0302201841	2.660560e-02	-0.0045515046	0.007729728
## 59	0.0085300931	0.0425654799	3.737522e-02	0.0193255127	0.008930399
## 60	-0.0370097022	-0.0179279744	-7.177113e-02	-0.0474725680	0.025452022
## 61	-0.0048312071	-0.0325202340	-8.847979e-04	0.0718899515	-0.078666054
## 62	0.0036764520	0.0866697982	1.899030e-02	-0.0489919581	0.036774718
## 63	0.0383556911	0.0156324402	2.689208e-02	0.0317300427	-0.023377931
## 64	-0.0025612650	0.0306962891	-1.582200e-03	-0.0306287906	0.027965074
## 65	-0.0181978421	-0.0177081176	4.615635e-02	0.0658388664	-0.042662657
## 66	-0.0227956696	-0.0181909736	1.369970e-03	0.0704916307	0.074186941
## 67	-0.0662188691	-0.0348665977	-2.616796e-03	0.0042039817	0.005864930
## 68	-0.0075166187	0.0025786302	4.141008e-02	0.0149767556	0.048364448
## 69	0.0083353015	0.0135140354	1.196686e-02	0.0179692480	0.027688928
## 70	0.0083132361	0.0851108395	-2.243937e-02	0.0450077342	-0.048872285
## 71	-0.0540353879	0.0037975801	-6.026407e-02	0.0061815079	0.012269072
## 72	-0.0432010593	0.0129103221	7.445642e-03	-0.0179279937	-0.001379703
## 73	0.0051367641	0.0432162782	4.473066e-02	-0.0226415036	0.038975006
## 74	-0.0004920241	0.0353502856	2.852135e-02	0.0532175393	0.111976239
## 75	0.0153895702	-0.0363120343	3.859890e-02	0.0207400130	-0.061282069
## 76	-0.0051641840	0.0102770814	5.052042e-03	0.0200090057	-0.013603536
## 77	-0.0480320395	-0.0112810982	-1.449621e-01	0.0072338937	0.025361566
## 78	-0.0119642315	0.0700926754	-8.495730e-02	0.0723585186	-0.006683468
## 79	-0.0088360123	0.0092859491	1.469886e-03	0.0465358803	-0.019094752
## 80	0.0560347411	0.0638203003	-4.453206e-02	-0.0525441542	0.021864413
## 81	-0.0027707925	-0.0381945621	-3.399256e-02	-0.0195674563	-0.023467682
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## 91	0.0212775965	-0.0104387879	1.536588e-02	-0.0687032304	-0.027559763
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## 96	-0.0617938026	-0.0359515359	2.200708e-02	-0.0202795257	-0.032046329


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## 97 -0.0357695657 -0.0100724305 7.354824e-03 0.0628107743 -0.044292660
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## 99 0.0785215803 -0.0468306326 -2.086316e-02 -0.0533988097 -0.010176112
## 100 0.0672737442 0.0111748853 -4.517693e-02 0.0413772750 -0.022396459
## 101 0.0661034975 0.0351881058 1.397799e-02 0.0367162997 0.015384344
## 102 -0.0489491538 -0.1330519275 6.877608e-02 -0.0815789661 0.055756914
## 103 0.0366749821 0.0062157420 1.293978e-03 0.0245944876 -0.060028911
## 104 -0.0943682969 -0.0423625429 5.647987e-04 -0.0195146845 0.040838394
## 105 0.0021557963 -0.0225750524 -2.954930e-02 0.0163366841 -0.003190735
## 106 0.0203967577 -0.0159252367 4.474515e-02 0.0449644010 -0.056537353
## 107 -0.0215356554 -0.0852692144 3.335574e-02 0.0561527555 -0.050572543
## 108 0.0566760683 -0.0027596061 -3.955401e-02 -0.0325700120 0.001515194
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## 110 0.0761760770 0.0319716585 7.735365e-02 -0.0504663022 -0.017680688
## 111 0.0089516523 0.0667237969 1.688569e-02 0.0768762924 -0.087241236
## 112 -0.0871268697 -0.0289075454 -6.686181e-02 -0.0101806513 0.041552434
## 113 -0.0909838878 0.0547122184 -1.243244e-02 0.0116926530 -0.017801231
## 114 -0.0489060417 -0.0105641200 4.821062e-02 0.0176558289 0.023714143
## 115 0.0036737651 0.0406103609 6.002183e-02 -0.0171420030 0.062226510
## 116 -0.0058229985 0.0643415860 -3.454989e-02 0.0207237029 0.032673603
## 117 0.0018491778 0.0276579831 -2.551566e-02 0.0182063724 0.036428848
## 118 -0.0614271873 -0.0207424641 -2.327476e-02 -0.0198667885 -0.035426238
## 119 -0.0691156122 0.0701155615 1.394127e-02 0.0377310880 -0.045316684
## 120 0.0765480743 -0.0390881882 4.133276e-02 -0.0399175146 -0.011552637
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## 124 0.0722882334 0.0104940300 -2.646248e-02 -0.0004854895 0.032217752
## 125 0.0282116577 -0.0204334335 -4.982035e-02 -0.0328779020 -0.052765835
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## 127 0.0131394003 -0.0267878532 3.056754e-02 -0.0047754399 -0.077424729
## 128 0.0473322911 0.0299448702 2.388594e-02 -0.0238837450 -0.018020726
## 129 -0.0516134721 0.1009634916 -3.067782e-02 -0.0599248528 -0.022319386
## 130 -0.0093552391 0.0184272809 1.080947e-02 0.0285724093 0.040810092
## 131 0.0250162194 -0.0050293299 6.382026e-02 0.0070815765 -0.033991044
## 132 0.0179743672 0.0406310781 -4.895231e-02 -0.0375121520 0.022812049
## 133 0.0030726100 -0.0094726955 -1.221803e-02 -0.0529377119 0.002004213
## 134 -0.0822832301 -0.0052728824 5.112045e-04 0.0360355165 -0.029095361
## 135 -0.1159865297 -0.0242801226 -5.778609e-02 -0.0820139124 -0.036562395
## 136 0.0017489423 0.0419505534 -8.017755e-02 -0.0410715141 0.003806332
## 137 -0.0725080689 0.0474630296 -7.504126e-02 -0.0355243027 -0.030558791
## 138 -0.1227198379 -0.0058398766 2.233213e-02 -0.0031293643 -0.035691394
## 139 -0.0347421278 -0.0752900808 -3.372673e-03 0.0499564973 -0.018994928
## 140 -0.0088038621 -0.0007627417 -1.085278e-02 -0.1068325365 0.005544417
## 141 0.0541063172 0.0271152354 -3.042331e-02 0.0323178479 0.012636284
## 142 -0.0354321464 0.0035740774 9.519162e-03 0.0668915856 0.020633841
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## 144 0.0591329965 -0.0123416289 1.105690e-02 -0.0070464717 -0.042627224
## 145 0.0259461397 -0.0328152444 -3.126710e-02 0.0293938613 -0.065401159
## 146 -0.0417562877 0.0013739524 8.904431e-02 0.0193249704 0.009406524
## 147 -0.0157930277 0.0276620198 8.025594e-03 0.0226923023 0.043144056
## 148 -0.0306102594 -0.0090577361 -7.279511e-02 -0.0086910234 0.017691149
## 149 -0.0084833271 -0.0284276897 2.874143e-02 0.0148032064 -0.053143449
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## 151	-0.0371626053	0.0232593293	3.173387e-02	0.0076030153	-0.023187433
## 152	-0.0615891849	-0.0003558772	3.949495e-02	0.0025425272	-0.025288894
## 153	0.0107901961	-0.0407714887	6.877436e-04	-0.0484537642	0.009047023
## 154	0.0267321291	0.0115265774	-1.559324e-01	0.0128637519	0.025018783
## 155	-0.0464284144	0.0090334166	-2.717522e-02	0.0218103965	0.009207534
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## 158	0.0558695529	0.0264833455	2.633512e-02	0.0117143524	-0.040169145
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## 161	0.0620577579	0.0969485910	-2.946236e-02	-0.0616029210	-0.070078703
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## 163	-0.0712730265	-0.0488359491	-5.520365e-02	0.0037468773	0.008306276
## 164	-0.0095103341	0.0159066285	-2.110069e-03	-0.0709964529	0.005958367
## 165	-0.0089290629	0.0378317119	-3.185836e-02	-0.0325578252	0.022330648
## 166	-0.0028385718	-0.0453549314	-1.977394e-02	-0.0251684671	0.053057131
## 167	-0.0215060062	-0.0209350925	-6.203274e-02	-0.0153916157	-0.076232764
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## 169	0.0275868942	0.0216366646	2.884442e-02	0.0357858543	0.001571362
## 170	-0.0064318462	-0.0489243453	5.963651e-02	0.0488811165	-0.061635530
## 171	-0.0197145112	-0.0724063298	-7.169013e-02	-0.0296455729	-0.055198616
## 172	-0.0287077270	0.0352158217	1.383812e-02	-0.0487999813	0.020704699
## 173	0.0078402393	-0.0239132806	-3.197613e-02	-0.0454831955	-0.062870386
## 174	-0.0012046675	0.0265480045	-3.731181e-03	-0.0308284411	-0.023496093
## 175	0.0043022911	0.0269996619	4.428662e-02	0.0304106512	0.079753312
## 176	0.0481515906	0.0301849713	1.535295e-02	-0.0480082361	-0.074000193
## 177	0.0007055964	-0.1264451761	-5.214524e-02	-0.0308954191	-0.048021128
## 178	-0.0503589138	0.0817619855	-3.808577e-02	0.0340969464	0.047462935
## 179	0.0096068028	0.0883818670	-3.955394e-02	0.0660728847	0.034636266
## 180	0.0868486032	0.0270498767	-3.526218e-02	-0.0258554537	-0.013381851
## 181	-0.0210427082	-0.0005002159	4.201044e-02	-0.0399025307	-0.099993045
## 182	-0.0403727622	-0.0745880989	5.893536e-03	0.0282044251	0.025718115
## 183	-0.0281850978	-0.0857370143	-2.481826e-02	-0.0607325815	0.042712389
## 184	-0.0179763436	-0.0345385323	-3.399099e-02	0.0623490996	0.025967992
## 185	0.0576684487	0.0170855593	2.325985e-03	-0.0911218078	-0.050102924
## 186	0.0087832802	-0.0547538285	-1.089504e-01	0.0255835450	-0.006420183
## 187	-0.0398463544	0.0133917838	1.605589e-02	-0.0030087814	0.090811085
## 188	0.0087138927	-0.0247947585	-3.251080e-03	0.0368340061	-0.028911608
## 189	0.0331863867	-0.0401995846	-7.012898e-02	-0.0035344928	-0.011508940
## 190	0.0794031585	-0.0359371026	-2.904912e-02	-0.0211083766	-0.013028524
## 191	0.0112303006	-0.0046832366	2.166900e-02	0.0510477219	-0.042727078
## 192	0.0078879425	0.0270340840	-6.810676e-02	0.0593357428	-0.039236551
## 193	0.0277719362	-0.0298668731	6.940940e-03	-0.0069707708	0.016050232
## 194	-0.0701723364	-0.0063986223	-1.573523e-02	-0.0315388028	0.022145012
## 195	-0.0492962907	-0.0767219595	-7.257851e-03	0.0299311764	0.003776069
## 196	-0.0317358113	-0.1067531887	1.224094e-02	0.0348348913	-0.098602254
## 197	0.0773184884	0.0266288770	-6.268787e-02	-0.0107767751	0.029501300
## 198	0.0603963063	-0.0297632191	-1.002932e-01	0.0663402159	-0.028735504
## 199	0.0636430289	0.0184613244	7.242547e-02	0.1349852440	0.029354827
##	V171	V172	V173	V174	V175
## 1	-2.299424e-02	2.756174e-02	0.0035900616	5.686259e-02	0.0371663798
## 2	1.154492e-02	-4.474992e-02	0.0208135795	-2.702452e-02	0.0466769683
## 3	-6.003486e-02	4.715864e-03	-0.0590714755	-3.088433e-02	-0.0060947502
## 4	-1.438002e-03	1.828591e-02	-0.0395414237	6.785862e-02	0.0381988833

## 5	5.545778e-02	1.158316e-02	0.0664773222	4.391046e-02	0.0340672861
## 6	-1.026572e-02	4.334382e-02	-0.0204899050	1.469682e-02	0.0172112004
## 7	-2.658327e-02	8.738248e-03	0.0368407573	3.700355e-03	0.0470901554
## 8	-1.718688e-02	-8.478702e-02	-0.0129224177	5.515464e-02	0.1032280169
## 9	-2.775593e-02	-6.370662e-02	0.0363590901	-7.476549e-02	0.0303279257
## 10	-1.074033e-02	-2.989760e-02	0.0559402185	3.155818e-02	-0.0310788079
## 11	6.285081e-02	-4.412538e-02	-0.0461978970	-5.416167e-03	-0.1001565977
## 12	-2.683491e-02	-3.108361e-02	-0.0499802411	-4.701190e-02	0.0272172288
## 13	7.943787e-03	4.639699e-02	0.0066889187	-3.852318e-04	-0.0225873704
## 14	3.434629e-02	-7.234583e-02	-0.0644113294	-3.805888e-02	0.0124897140
## 15	4.502408e-02	3.460507e-02	-0.0228463476	8.433068e-02	-0.0286224788
## 16	-1.778625e-02	-7.384146e-05	-0.0412848794	3.782711e-03	-0.0372797695
## 17	5.407075e-02	-4.708068e-03	0.0387757022	1.104164e-01	0.0620556371
## 18	3.175093e-02	6.194133e-02	0.0245121924	-2.028590e-02	-0.0060113540
## 19	1.445056e-02	-3.485828e-02	0.0336973910	-7.849684e-02	0.0442878062
## 20	-3.342646e-02	4.315681e-04	-0.0381747221	7.629375e-02	-0.1122686319
## 21	1.014268e-01	2.594304e-03	0.0104584568	-5.286492e-02	-0.0181965854
## 22	2.986095e-03	3.057715e-02	0.0417224415	-4.850439e-04	0.0680375351
## 23	1.919832e-03	-1.076684e-01	-0.0361650046	-4.953188e-02	-0.0205042919
## 24	4.219768e-02	-5.769926e-02	-0.0503903808	-4.574647e-02	0.0359133825
## 25	-1.702268e-02	-3.162375e-02	-0.0274100440	2.646963e-03	0.0011200044
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## 194 -2.737486e-03 -4.686142e-02 0.0605600338 -2.961229e-02 -0.0465923160
## 195 -9.403437e-02 8.126705e-02 0.0558776286 -2.405664e-02 0.0512823327
## 196 3.502310e-03 -9.522280e-02 0.0121161217 2.446931e-02 0.0449515929
## 197 3.689810e-02 2.144909e-02 -0.0504903218 1.254886e-02 -0.0078110974
## 198 -9.530305e-02 2.637648e-02 0.0237337700 4.999626e-02 -0.0505557049
## 199 -1.859389e-02 2.200043e-02 0.0172196128 1.037797e-01 -0.0047411482
##          V176          V177          V178          V179          V180
## 1 0.0657276219 -0.0434438821 0.0757448475 -9.130320e-03 -0.0280342934
## 2 -0.0611235931 0.0196948283 -0.0326679299 -5.298517e-02 0.0325208086
## 3 -0.0061219783 -0.0302674009 0.0180172144 1.006375e-01 0.0292294071
## 4 0.0392718443 -0.0433547223 -0.0039636425 2.440483e-02 0.0170952957
## 5 -0.0312674824 -0.0081926842 0.0309253832 -1.077150e-02 -0.0634504555
## 6 -0.0164644098 0.1112682588 0.0274448691 4.700915e-02 -0.0355967636
## 7 -0.0804393221 0.0085441243 -0.0416583977 -5.566127e-04 0.0700678302
## 8 0.0294183379 -0.0353624970 0.0358764258 2.209846e-02 -0.0433518849
## 9 -0.0952906796 -0.0816495780 0.0786570992 4.337483e-02 0.0439811713
## 10 -0.0096679286 0.0534339390 -0.0001745562 2.453103e-02 0.0744721383
## 11 -0.0098434769 -0.0257212079 0.0138898058 9.854285e-03 0.0061305070
## 12 -0.0851754832 0.0747248656 -0.0211758902 4.853732e-02 0.0495044025
## 13 0.0241582559 0.0341125596 -0.0421706405 2.077273e-02 0.0500410009
## 14 0.0232541110 -0.0334345885 -0.0306647451 -3.377837e-02 0.0057481156
## 15 0.0225032759 0.0778044752 0.0203625146 -2.717221e-02 0.0367753553
## 16 -0.0169115367 -0.0152377909 -0.0594735119 -7.287170e-02 -0.0351214291
## 17 0.0323880233 0.1071720052 -0.0651943896 -1.709055e-02 0.0176745005
## 18 0.0184045180 0.0220951802 0.0384501911 3.108018e-02 0.0629984673
## 19 0.0091874668 -0.0043046665 0.0532826394 7.664000e-02 -0.0133989503
## 20 -0.0119003200 0.0125810044 -0.0488918425 4.807162e-03 -0.0104549638

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## 21 -0.0333416739 -0.0229211374 0.0321246070 -8.685164e-03 0.0482039227
## 22 0.0010666213 0.0081684375 -0.0281153716 -1.119966e-02 0.0001000192
## 23 -0.0608708742 0.0245461370 -0.0161827264 3.088156e-02 -0.0322003553
## 24 -0.0037546812 -0.0288079531 0.1065193022 4.790504e-02 -0.0053139918
## 25 0.0712379886 0.0233966411 0.0299340625 -3.193574e-02 0.0023035317
## 26 -0.0190954549 0.0167253349 -0.0857117951 -5.353521e-02 0.0597971689
## 27 -0.0077497842 -0.0008982017 -0.0457785883 2.196345e-02 -0.0332921418
## 28 -0.0030450374 0.0642181015 0.0756192640 -4.147853e-02 0.0569422193
## 29 -0.0432427178 0.1128304475 0.0401352278 1.201158e-02 -0.0192024836
## 30 0.0512496231 -0.0265706769 0.0010616172 -6.533952e-02 0.0038716961
## 31 -0.0229987197 0.0634330072 0.0678974357 -4.684995e-02 0.0149598637
## 32 0.0309042185 0.0405484150 0.0368586525 -5.952966e-02 -0.0081723600
## 33 0.0107356802 0.0031435579 -0.0087313630 3.297799e-02 -0.0251297653
## 34 -0.0528524900 0.0187748288 0.0077227728 4.070560e-02 0.0296743048
## 35 -0.0515804290 -0.0039788491 0.0290014028 -3.142990e-03 0.0246760949
## 36 -0.0504548389 -0.0055694381 0.0333542264 -6.130556e-02 0.0242419588
## 37 0.0070420049 -0.0658185861 -0.0400791296 8.411247e-03 -0.0163441676
## 38 0.0435312560 0.0100552711 0.0432486377 1.712838e-02 0.0214506224
## 39 -0.0125100040 -0.0283423735 0.0288758039 -5.490150e-02 -0.0296268070
## 40 -0.0480048493 -0.0329253668 0.0079083338 -4.631409e-02 -0.0200687852
## 41 -0.0368127002 0.0442981527 -0.0496927893 -3.658179e-02 -0.0191324400
## 42 0.0054823552 -0.0120564178 -0.0507637167 1.492024e-02 -0.0173164049
## 43 0.0484416135 0.0034660624 0.0211687710 -3.633513e-02 -0.0319875162
## 44 0.0455820771 -0.0259162936 -0.0035844906 6.932642e-03 -0.0627186769
## 45 0.1009212988 0.0464503379 0.0443946289 5.359914e-02 -0.0562442373
## 46 0.0477917835 0.0157101363 -0.0682040595 -4.300644e-02 -0.0533361982
## 47 -0.0133352682 -0.0044431509 -0.0659571972 -1.743373e-02 0.0416026125
## 48 -0.0081310787 0.0314765245 -0.0108200403 -9.014196e-02 -0.0287343662
## 49 0.0238879813 -0.0060218351 -0.0012643184 2.539607e-02 -0.0251756998
## 50 0.0042457716 -0.0078337787 0.0034288207 -6.605486e-03 -0.0598440922
## 51 0.0381002155 0.0265956165 -0.0588157357 -5.226697e-02 -0.0267571318
## 52 -0.0638665513 0.0672572270 0.0686527793 -6.323498e-02 -0.0920515849
## 53 0.0866173691 0.0050387306 -0.0100875372 -4.828572e-03 0.0707224809
## 54 -0.0164901738 0.0558036348 -0.0210999374 2.813600e-02 0.0197543799
## 55 0.0776201106 -0.0892317968 -0.0004120764 -7.177315e-02 -0.0181154051
## 56 0.0460471947 0.0245578399 -0.0873779578 2.136793e-02 -0.0295560130
## 57 -0.0692883341 -0.0668706725 -0.0099344914 5.219456e-02 0.0029608760
## 58 0.0519326411 0.0239291449 0.0437094360 6.485431e-02 0.0448387670
## 59 0.0468139441 -0.0443723060 0.0138427506 -3.567908e-02 -0.1129810398
## 60 0.0372939327 -0.0093188409 0.0044026442 -2.184529e-02 -0.0051995740
## 61 -0.0026723340 -0.0184191822 -0.0426343558 -2.259249e-02 -0.0240526046
## 62 0.0461248342 0.0311342669 0.0245794099 -6.270907e-02 -0.0495472792
## 63 -0.0119201730 -0.0143391665 -0.0492175797 -1.607500e-02 0.0012059282
## 64 -0.0617187994 0.0178564830 -0.0230756243 -8.200031e-02 -0.0330443256
## 65 -0.0406334736 -0.0273494230 -0.0582546927 5.310726e-02 -0.0086053484
## 66 -0.0202150415 0.0026482101 -0.0954012857 1.644401e-04 -0.0237178564
## 67 0.0054984540 0.0557875516 -0.0800408709 -6.001336e-02 0.0529871455
## 68 0.0893776215 -0.0144150357 0.0593620177 4.035574e-02 0.0427024976
## 69 0.0097659827 -0.0200644532 0.0328599213 1.335258e-02 -0.0513385614
## 70 -0.0302975178 -0.0251826768 -0.0435279154 -3.797495e-02 0.0442427967
## 71 0.0433116434 -0.0252339320 -0.0075201050 -1.638741e-02 0.0034330173
## 72 -0.0187140409 0.0354020535 -0.0132635739 8.086679e-02 -0.0015575729
## 73 0.0042476705 -0.0248641227 0.0121050466 3.140745e-02 -0.0350797244
## 74 0.0024138162 0.0455119199 -0.0325656016 -8.199271e-02 0.0050938292

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## 75 0.0037854173 -0.1278198319 -0.0706811690 7.173656e-02 0.0082307470
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## 77 -0.0416538361 -0.0045363815 0.0626439523 7.591256e-02 0.0082006235
## 78 -0.0201288801 -0.0217205412 -0.0065635468 -2.896667e-03 -0.0013407552
## 79 0.0883843549 0.0958089701 0.0597582006 2.649821e-02 0.0127702761
## 80 -0.0439076041 -0.0159471312 0.0169998302 5.434928e-02 0.0520230890
## 81 -0.0165960003 -0.0829578844 0.0747414439 -1.939676e-02 -0.0289856183
## 82 -0.0636025133 0.0433129695 0.0003808880 4.784565e-02 0.0679427883
## 83 0.0300613571 -0.0201508101 0.0372915539 3.036469e-02 -0.0110280302
## 84 0.0629795610 0.0965604005 0.0606078050 5.722326e-02 -0.0135489116
## 85 -0.0133520973 0.0376680714 0.0152207369 3.432708e-02 0.0717341638
## 86 0.0562072161 0.0180907599 0.0114999787 6.402180e-02 0.0109724779
## 87 0.0480197903 0.0621515952 -0.0231871361 -2.894573e-02 0.1338821228
## 88 -0.1235348923 -0.0232747374 0.0772537698 -4.664022e-02 -0.0199465797
## 89 -0.0122912185 -0.0726663072 0.0276695728 5.614073e-02 0.0377708563
## 90 -0.0404988444 -0.1094344725 -0.0078477918 9.684002e-02 -0.0182663262
## 91 -0.0167422331 0.0068157126 -0.0007730819 -2.016443e-02 -0.0069940930
## 92 -0.0051953170 0.0275666346 -0.0141110605 -4.092210e-02 -0.0295879174
## 93 -0.0305977543 -0.0119020976 0.0319474136 2.974928e-03 0.0918050354
## 94 0.0628540509 -0.0495145489 -0.0423036327 -3.524935e-02 -0.0544550723
## 95 0.0187518704 -0.0525409292 -0.0382699159 4.136052e-04 0.0958549168
## 96 0.0487441795 -0.0295629046 -0.0028751787 -5.472403e-02 -0.0111903305
## 97 -0.0162417912 -0.0330474514 -0.0125810957 -5.582496e-02 -0.0326088713
## 98 -0.0455731701 0.0096741333 -0.0331359199 3.461739e-04 -0.0312527439
## 99 0.0287134033 0.0520192136 0.0279850714 1.304350e-02 0.0509550891
## 100 0.0073161920 -0.0386973342 -0.0201176189 4.607935e-03 -0.0185740021
## 101 0.0332163756 0.0275830788 0.0083444464 -3.167139e-02 0.0384842683
## 102 -0.0878728923 0.0394258789 -0.0150120710 1.590972e-02 0.0089171110
## 103 -0.0396950718 0.0436038186 -0.0761624256 2.570642e-02 -0.0035249684
## 104 0.0102686446 0.0459313335 0.0326355869 9.315395e-02 0.0189045119
## 105 -0.0277438934 0.0026952116 -0.0605764567 5.726980e-02 0.0785966296
## 106 -0.0012931235 0.0157006566 0.0537545400 -3.873839e-02 -0.0616904387
## 107 0.0062108261 -0.0671010343 -0.1123611421 3.144331e-02 -0.0499387886
## 108 0.0174210112 -0.0257404478 -0.0199914852 1.040705e-02 0.0511946693
## 109 0.0013408372 -0.0398133977 -0.0778894706 -3.027573e-02 -0.0322334885
## 110 -0.0781699114 -0.0436599489 -0.1050081851 5.159427e-02 0.0306731608
## 111 0.0013049793 -0.0073188529 -0.0247561424 2.090127e-02 -0.0015274754
## 112 0.0624050558 0.0475992262 0.0599922436 3.328640e-02 0.0176185931
## 113 0.0118015092 -0.0428096776 0.0087675510 -7.391455e-02 -0.0568744663
## 114 0.0729542888 0.0117996042 -0.0019195556 7.052422e-02 0.0233663755
## 115 -0.0492608075 0.0499074804 -0.0317375409 5.154877e-02 -0.0240710175
## 116 0.0073054723 -0.0064896875 -0.0220836621 6.720361e-02 0.0048934743
## 117 -0.0289977504 0.0301947452 -0.0098753946 -2.966807e-02 -0.0156335103
## 118 0.0246195291 0.0272139132 -0.0422458708 1.064638e-02 0.0269295524
## 119 -0.0160823261 0.0312494963 -0.0561372646 2.593010e-03 -0.0669311027
## 120 0.0246482660 0.0185409486 -0.0528185112 -9.908304e-03 0.0260288768
## 121 -0.0227599420 -0.0646172655 0.0182814252 -1.754896e-02 -0.0400364508
## 122 -0.0195490327 -0.0115902220 0.0321120176 -3.470674e-02 -0.0062114981
## 123 -0.0587577022 -0.0510724911 -0.0299915337 7.238224e-02 0.0677103779
## 124 0.0553312303 -0.0427724252 0.0032814994 -3.500090e-02 -0.0101680982
## 125 -0.0529878509 -0.0275720394 0.0237260973 2.999957e-02 -0.0854578104
## 126 0.0130596214 -0.0641963210 -0.0492378490 2.388796e-02 -0.0419407369
## 127 -0.0271119169 0.0626931999 0.0178914889 2.206671e-02 0.0038266590
## 128 -0.0058171267 -0.0620859070 0.0289551867 -3.653949e-02 -0.0402586326

```



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## 129 -0.0241057961 0.0184385482 -0.0405649882 5.970632e-02 -0.0551476514
## 130 -0.0081387115 -0.0165503510 0.0435940811 6.742821e-02 0.0480542935
## 131 0.0183807644 0.0790497594 0.0184568247 1.887320e-02 0.0004612669
## 132 -0.0014982012 -0.0185849450 0.0359357782 -7.713624e-02 0.0274872987
## 133 -0.0077971498 0.0173475626 0.0899415932 1.313249e-01 -0.0239901221
## 134 -0.0279854733 0.0100896610 -0.0557588907 5.594357e-04 -0.0030608522
## 135 -0.0002321145 -0.0330070802 0.0192267255 3.408718e-02 0.0811193090
## 136 0.0750547408 -0.0267407583 -0.0088541200 -2.384867e-02 0.0051257520
## 137 0.0047401371 0.0090549705 -0.0019420487 -5.251319e-02 0.0037008295
## 138 0.0770053480 -0.0850471581 -0.0659933844 -7.859667e-02 0.0131078868
## 139 0.0013173644 0.0601270898 0.0598134227 -6.173145e-04 -0.0356493301
## 140 0.0243803213 0.0335724750 0.0110157193 -4.315250e-02 -0.0032349195
## 141 0.0322387508 0.0395477184 0.0375109499 1.098360e-01 0.0228686580
## 142 0.0240882127 -0.0489138283 -0.0141422653 -5.988005e-02 0.0503502220
## 143 0.0576380862 -0.0249191644 0.0396330419 -3.645070e-02 0.0262106298
## 144 -0.0011592766 0.0302065883 -0.0276705913 2.556774e-02 0.0021825049
## 145 -0.0218985396 0.0084817867 0.0599432837 -2.782733e-02 -0.0447868337
## 146 -0.0765752674 -0.0357378228 0.0055108363 2.152301e-02 -0.0934899161
## 147 0.0516228025 -0.0291903056 -0.0136355877 -1.319931e-02 -0.0128904490
## 148 0.0455923257 0.0536074849 0.0345863988 -6.984740e-02 -0.0113880732
## 149 0.0392317723 -0.0661141553 -0.0150919895 -2.500216e-02 -0.1114948977
## 150 0.0176061967 0.0778335669 -0.0202897508 -4.968638e-02 0.0131374516
## 151 0.0119871547 -0.0593399669 -0.0170938432 3.076077e-02 -0.0270680811
## 152 -0.0094920987 0.0541750589 0.0572980905 -3.440396e-02 -0.0497603545
## 153 0.0576517509 -0.0044839245 -0.0228318588 -5.837344e-02 0.0069708049
## 154 -0.0201962390 -0.0380629945 -0.0395218302 8.502901e-02 0.0166961333
## 155 0.0322426156 0.0011307878 -0.0400497288 -2.284910e-02 0.0391415055
## 156 0.0512109874 0.0267066648 0.0169762618 1.882003e-02 -0.0010066151
## 157 -0.0310835831 0.0310390052 -0.0445290890 -1.830832e-02 -0.0071313501
## 158 -0.1072508861 -0.0339434058 -0.0213528280 5.317217e-03 -0.0467058638
## 159 -0.0176256031 0.0226279380 -0.0260187946 3.350648e-02 0.0298506881
## 160 0.0015254697 0.0349857894 -0.0179146904 2.959799e-02 -0.0127379430
## 161 0.0964289599 0.0679095803 -0.1054844491 3.607824e-02 0.0292756568
## 162 -0.0091272641 0.0326951344 -0.0478937713 3.419168e-02 -0.0214216962
## 163 -0.0325218496 -0.0244950902 0.0466474640 9.295973e-02 0.0020062086
## 164 -0.0195950767 -0.0238229314 -0.0279473919 -4.967123e-02 0.0374925928
## 165 0.0156432435 -0.0457308299 -0.0057632488 -1.937162e-03 0.0090439538
## 166 -0.0256053457 0.0337882735 -0.0048415517 4.096528e-02 -0.0324388421
## 167 0.0488621310 -0.0108103238 -0.0050853674 3.133226e-02 0.0013900603
## 168 0.0560495462 0.0428344121 0.0638137944 -6.868495e-02 -0.0265616567
## 169 0.0224492794 -0.0619254460 0.0299728978 4.471475e-02 0.0575965162
## 170 0.0155751274 -0.0342343012 -0.0147155101 -7.626705e-03 -0.0453812712
## 171 -0.0220318603 0.0997716114 -0.0250202869 2.481962e-02 0.1058484228
## 172 -0.0290426739 0.0027488090 -0.0115609023 -1.637487e-03 0.0372407841
## 173 -0.0710657203 0.0051413902 -0.0185125688 1.080780e-02 -0.0133160120
## 174 0.0374378353 0.0074003338 -0.0221011944 7.709444e-05 0.0423006478
## 175 0.0407048084 0.0976998240 -0.0158177562 4.625302e-02 -0.0024268090
## 176 0.0525098950 0.0159890105 -0.0092416518 4.443715e-02 0.0607716093
## 177 0.0576948795 0.0180536674 -0.0087993628 -1.718062e-02 -0.0077996029
## 178 -0.0022673489 -0.0267170892 -0.0036499992 -2.648803e-02 0.0128123506
## 179 0.0373687354 0.0294193694 -0.0164986347 -3.961721e-02 0.0018131044
## 180 0.0031539356 0.0186686421 -0.0915439865 4.301836e-02 -0.0368671147
## 181 0.0479556232 0.0288750698 -0.0004176573 -7.717896e-03 -0.0077366950
## 182 0.0056494132 0.0458788320 0.1089599843 2.640447e-02 0.0581498454

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## 183	-0.0453391383	0.0350966824	-0.0603087359	-1.737503e-02	-0.0529032764
## 184	0.0638073853	0.0501781750	0.0354491877	-8.306573e-03	0.0614316422
## 185	-0.0058602611	-0.0143406103	0.0596980305	-4.311344e-02	0.0199207931
## 186	0.0114052089	0.0087278283	-0.0127546596	-3.336879e-02	-0.0138473520
## 187	-0.0453498043	0.0094153586	-0.0157278010	-2.808513e-02	-0.0466067024
## 188	-0.0559226861	-0.0371296392	-0.0020986080	4.642840e-03	-0.0085488509
## 189	-0.0491022092	-0.0435749582	-0.0513026552	4.549364e-02	0.0500390830
## 190	0.0135701925	0.0802523781	0.0034870847	4.768993e-02	0.0404495063
## 191	-0.0384895776	-0.0417998471	-0.0075907844	-7.048294e-02	-0.1317712577
## 192	0.0507596335	0.0122468635	-0.0057256957	-7.509196e-02	-0.0008296199
## 193	0.0366977417	-0.0108524427	-0.0393804396	2.562193e-02	0.0139544292
## 194	0.0245796994	-0.0869689030	-0.0076659596	-2.732778e-02	0.0187218093
## 195	0.0159149338	-0.0378994737	-0.0052011205	-2.477280e-02	0.0572054667
## 196	0.0243639623	-0.0201151363	0.0623709207	1.251481e-02	0.0289767035
## 197	-0.0226814786	0.0380691864	-0.0209054816	-5.906984e-02	0.0893472662
## 198	0.0011508422	0.0162924614	0.0378875623	-1.635298e-03	-0.0519170493
## 199	0.0627761212	-0.0439514367	-0.0429773944	7.585800e-02	-0.0552249701
##	V181	V182	V183	V184	V185
## 1	0.0748611768	-0.0475533103	-0.0197754135	-3.209728e-02	1.484999e-01
## 2	0.0205172245	0.0081017474	-0.1107050139	-4.952679e-02	-4.847758e-02
## 3	-0.0359749775	-0.0155169753	-0.0467640243	4.358374e-03	-3.394776e-02
## 4	-0.0000812518	0.0188865239	-0.0894641403	-6.667129e-02	1.674165e-02
## 5	0.0312453691	-0.0302763874	0.0764900767	1.405940e-02	-2.674951e-02
## 6	-0.1080166825	-0.0250503891	-0.0542401652	5.918200e-02	5.525504e-02
## 7	-0.0080099926	-0.0026598489	0.0974710378	5.638766e-02	-4.720897e-02
## 8	0.0124650259	0.0294675682	-0.0266450973	-4.723098e-02	-3.613697e-02
## 9	0.1019428298	0.0497932732	0.0016298110	-5.072004e-02	-6.464999e-03
## 10	-0.0150287966	-0.0370057909	0.0069297607	-1.429197e-02	-9.766028e-02
## 11	-0.0131435618	0.0106430181	-0.0061741536	2.738955e-02	4.805956e-02
## 12	0.0016549693	-0.0306338961	0.0068945923	4.040358e-03	3.957113e-03
## 13	0.0226706836	-0.0556001387	0.0380849797	-2.960610e-02	-6.412125e-02
## 14	-0.0507733856	0.0233017255	-0.0747844492	-5.336740e-03	-1.324659e-03
## 15	-0.0142108829	0.0304567131	0.0242625189	1.017389e-01	3.613930e-02
## 16	0.0261171857	0.0877444013	-0.0271083356	-5.270753e-02	-2.585198e-02
## 17	0.0180337225	0.0542193813	0.0779786321	2.310101e-02	3.059584e-02
## 18	0.0369517744	-0.0467147974	-0.0091448907	2.164534e-02	6.336107e-02
## 19	-0.0027742710	-0.0827479344	-0.0423857214	-5.179118e-02	5.523009e-02
## 20	0.0452437548	0.0484034891	0.0777827950	7.941209e-04	-3.113044e-02
## 21	0.0331130112	0.0084166366	0.0032114742	5.366488e-02	4.488180e-02
## 22	-0.0109278180	0.0157472290	-0.0075391183	-6.874819e-02	1.880451e-05
## 23	-0.0057484226	-0.0992602529	0.0291520767	2.678363e-02	-6.224773e-02
## 24	-0.0539781141	0.0818756937	0.0375049807	1.161989e-02	-7.182624e-05
## 25	-0.0115769030	0.0564941134	-0.0191991057	-3.023915e-02	-1.683315e-02
## 26	-0.0263404661	-0.0317069935	-0.0233395356	5.739944e-02	-4.336762e-02
## 27	-0.0360437072	-0.0032476836	-0.0135266285	2.153432e-02	9.354858e-02
## 28	-0.0109847154	0.0022559571	0.0620849658	-2.850510e-02	-3.010783e-02
## 29	-0.0558697747	0.0902206786	-0.0057101866	-1.066961e-02	-2.210316e-03
## 30	0.0466369029	-0.0346972934	-0.0214752307	5.968552e-02	1.002485e-01
## 31	0.0512875133	-0.0419961747	-0.0150684115	4.894637e-02	-6.627760e-02
## 32	-0.0158443859	0.0057298570	0.0388299048	-6.444596e-02	6.353511e-02
## 33	-0.0112472759	0.0417588585	-0.0238125343	2.221692e-02	6.015734e-02
## 34	-0.0780977981	0.0023193191	-0.0401779867	3.767292e-02	3.265666e-02
## 35	0.0154414538	0.0204516911	0.0185025033	2.607974e-02	3.069937e-02
## 36	0.0126445265	-0.0185383927	-0.0290509225	5.339663e-02	3.027744e-02

## 37	0.0585558779	0.0512014931	0.0371335509	-4.295635e-02	4.385438e-02
## 38	0.0167519477	0.0438805280	-0.0163185517	-1.389781e-02	-6.457376e-03
## 39	0.0008414566	0.0024099149	-0.0590665916	-1.827882e-02	1.640356e-02
## 40	0.0122640578	0.0097635259	0.0256413141	-8.812471e-02	7.541146e-03
## 41	0.0613228167	0.0457252381	0.0345707529	6.581013e-02	1.448185e-01
## 42	0.0107614458	0.0080565967	0.0498768431	7.943789e-02	1.323006e-01
## 43	-0.0267122800	-0.0509758847	0.0325358629	-1.543548e-02	3.135149e-02
## 44	0.0325511261	-0.0196163012	0.0390876289	-9.038388e-02	2.583302e-02
## 45	0.0743616027	0.0800881070	-0.0464215955	7.625255e-03	-1.118772e-02
## 46	-0.0103940526	-0.0831332487	-0.0390165994	-5.306909e-02	6.703921e-02
## 47	0.0096817402	-0.0294030274	0.0880000142	7.310059e-02	4.038194e-02
## 48	0.0475557807	-0.0108036339	0.0031939016	6.719742e-03	5.888815e-02
## 49	-0.0426251248	-0.0570340130	-0.0106371870	-1.551965e-02	-8.650609e-02
## 50	-0.0510844138	-0.0240445687	0.0193005179	4.685916e-02	-1.020867e-01
## 51	0.0405538838	-0.0102788228	0.0276128379	-1.772196e-02	7.839318e-02
## 52	-0.0106712796	0.0654215012	-0.0203722603	3.380034e-02	2.447517e-02
## 53	-0.0138943240	0.0257731356	0.0774105651	1.030699e-02	-8.614057e-02
## 54	-0.0517257959	-0.0092403727	-0.0017161016	1.107006e-01	-9.406530e-03
## 55	-0.0221952908	-0.0022287523	-0.0010942126	-1.283564e-02	-7.536505e-02
## 56	0.0858611599	-0.0088633563	-0.0202049187	2.199272e-02	2.023835e-02
## 57	0.0193154474	0.0855464695	0.0047635976	6.434538e-03	4.060979e-02
## 58	-0.0603048528	-0.0184931445	0.0448992718	-5.845334e-02	4.506308e-02
## 59	0.0450385343	0.0466641281	-0.0732411823	-4.468730e-02	2.499096e-02
## 60	-0.0093995465	-0.1025388811	-0.0203885483	7.726136e-02	-3.879021e-02
## 61	-0.0065821250	-0.0022257623	0.0196997507	-8.129792e-02	-2.734377e-02
## 62	-0.0094346160	-0.0049874952	-0.0143737654	-5.042870e-02	-4.908089e-02
## 63	0.0214621337	0.0496926118	0.0664435510	-5.572620e-02	-3.107538e-02
## 64	-0.0038195566	-0.0114883552	-0.0352092715	-5.391346e-02	-2.274276e-02
## 65	0.0078210530	0.0657014872	0.0100855624	-2.094551e-02	5.680629e-02
## 66	-0.0690026902	0.0951436408	0.0677619024	8.479676e-03	1.732663e-02
## 67	0.0672717246	0.0329137577	-0.0160888293	-3.600478e-04	2.315315e-02
## 68	-0.0150732180	0.0121744421	-0.0293591242	-1.039726e-02	-3.911110e-02
## 69	-0.0240846245	0.0021489499	-0.0794763698	-1.511418e-02	8.054652e-02
## 70	0.0325272976	-0.0310460324	-0.0958929081	-1.630689e-02	1.179060e-02
## 71	0.1079838142	-0.0360582349	-0.0228556497	2.534151e-02	-8.419233e-02
## 72	-0.0276108547	0.0121304564	0.0394761666	-5.662351e-03	2.313376e-02
## 73	-0.0176357508	-0.0344329695	0.0974531544	-1.679226e-04	1.377581e-02
## 74	-0.0227376722	0.0249039442	-0.0236180964	7.099812e-03	-7.037823e-02
## 75	0.0308073578	0.0090006649	-0.0084019626	2.269937e-02	1.099649e-01
## 76	-0.0055733605	0.0185836739	0.0378095926	1.723152e-02	1.515806e-02
## 77	-0.0643654355	0.0397005596	-0.0119966341	1.069562e-02	3.195136e-02
## 78	-0.0324794139	-0.0134138355	-0.0057381135	4.992594e-02	2.007644e-02
## 79	0.0445489254	0.0261117088	0.0237425986	-9.788467e-03	3.695558e-02
## 80	0.0256403345	-0.0645459705	0.0107880616	-3.805394e-02	2.629619e-02
## 81	0.0498573721	0.0179724662	0.1071318271	1.579741e-02	2.170280e-02
## 82	-0.0136754926	0.0393792276	0.0419268803	3.299042e-04	-1.235035e-03
## 83	-0.0240136012	-0.0321352739	-0.0534545875	2.931973e-03	-8.689048e-03
## 84	0.0187811436	0.0024503184	0.0457635116	5.152230e-04	-5.888638e-02
## 85	-0.0501618534	0.0130709378	0.0268432001	-3.520997e-02	-2.212755e-02
## 86	0.0195114658	0.0745318683	0.0074205906	-6.325635e-03	5.884255e-02
## 87	-0.0032497733	0.0402378815	0.0597673215	-3.138325e-03	-1.063386e-02
## 88	-0.0635777691	-0.0145291128	-0.0351006232	3.409420e-02	-2.035214e-02
## 89	-0.0206179427	-0.0074227441	0.0030878990	-7.536575e-02	-6.493307e-02
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## 91 -0.0191768932 -0.0146496026 0.0293035129 3.898413e-03 -3.372245e-02
## 92 -0.0636619917 -0.0586277157 0.0009035761 4.126853e-02 2.108077e-02
## 93 -0.0666322945 -0.0803482783 -0.0200983974 -5.609727e-02 -4.874888e-03
## 94 -0.0669868016 -0.0136636562 -0.0242366583 -5.351486e-03 -1.995216e-02
## 95 -0.0542563044 -0.0399021741 0.0532698391 9.559344e-02 -5.086495e-02
## 96 0.0099412115 -0.0153630443 0.0381849532 1.098466e-02 -6.311598e-02
## 97 0.0635752735 0.0444959345 -0.0137045555 1.620681e-02 -2.939840e-03
## 98 0.0028177094 0.0655246202 -0.0314504127 -3.209752e-02 -1.063227e-02
## 99 -0.0133086636 0.0142990217 -0.0447143506 -2.009124e-02 -5.366974e-02
## 100 0.0055407761 0.0064974814 -0.0098933484 -4.444850e-02 2.184225e-03
## 101 0.0200534555 -0.0019115474 0.0100659649 1.189133e-02 -1.015212e-01
## 102 0.0101057287 -0.0433587554 -0.0500723920 2.296207e-02 8.722603e-03
## 103 0.0031385271 0.0275827130 -0.0252718633 5.591754e-02 -3.882034e-02
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## 106 -0.0452851024 0.0163200866 0.0094035949 -9.735250e-03 2.939046e-02
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## 108 -0.0866522044 0.0102246994 0.0261302062 -4.848174e-02 1.123961e-01
## 109 -0.0781716078 0.0167862901 0.0224768229 2.172307e-02 -5.310248e-02
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## 111 0.0415255100 0.0022084429 0.0387965491 6.488543e-03 -4.700736e-03
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## 113 -0.0189362423 -0.0258668233 0.0007272920 -2.480096e-02 5.615083e-02
## 114 0.0166799194 0.0414990807 0.0301748117 -2.101599e-02 2.675882e-03
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## 124 -0.0022538345 0.0238149282 -0.0725865218 3.448743e-02 4.777885e-02
## 125 0.0435157524 0.0008323305 -0.0044157392 -8.307630e-02 -5.010312e-02
## 126 0.0385653221 -0.0516748948 -0.0502459792 -1.266933e-01 -2.017740e-02
## 127 -0.0059038244 -0.0311731010 -0.1085193236 -6.371583e-02 -1.553688e-02
## 128 -0.0370852395 0.1343806157 -0.0280231442 -3.163266e-02 -1.304569e-02
## 129 -0.0156130708 -0.0135895328 0.0408720047 2.859406e-02 4.284762e-02
## 130 -0.0080883958 -0.0480284112 -0.0613760752 -4.440897e-02 4.703926e-02
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## 134 -0.0118828664 0.0406735402 0.0793621924 1.314969e-02 1.332346e-02
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## 137 0.0195355914 -0.0147195901 -0.0707781909 6.214307e-02 6.892934e-03
## 138 0.0002866711 0.0679621015 -0.0174538816 -8.210973e-02 6.110373e-02
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## 145 0.0557432191 0.0227930444 -0.0143451091 -2.899327e-02 -2.004800e-02
## 146 0.0408238192 -0.0215420659 0.0638823714 -3.705923e-02 -3.309076e-02
## 147 -0.0082236430 -0.0499850757 -0.0065591420 -2.354506e-02 -1.314354e-02
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## 153 0.0235636048 0.0428805482 -0.0060863321 4.068841e-02 -1.815845e-02
## 154 0.0654719804 -0.0144618458 -0.0072491649 -1.662491e-02 5.119642e-02
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## 156 -0.0124124554 0.0045103790 0.0491711393 6.529112e-02 1.195494e-02
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## 160 0.0014612493 0.0156983108 0.0037404207 5.958349e-02 -3.475248e-02
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## 163 -0.0072315162 0.0840147357 0.0817187224 4.598349e-02 4.337953e-02
## 164 -0.0107229653 -0.0434080197 -0.0491806705 -2.313402e-02 -3.379769e-02
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## 166 -0.0065003263 -0.1161376817 0.0149798704 -1.294222e-02 2.112103e-02
## 167 0.0003109780 0.0162326770 -0.0450188154 5.932279e-02 -4.803674e-02
## 168 0.0494634613 0.0330130606 0.0215751833 6.201858e-02 2.042177e-02
## 169 0.0154903307 -0.0277004220 -0.0816247087 6.272463e-02 -6.272102e-02
## 170 -0.0547495609 -0.0270514028 -0.0411485417 -4.834224e-02 -8.177738e-03
## 171 -0.0378471862 0.0936617878 0.0412992999 -5.415977e-02 2.955472e-02
## 172 -0.0389675807 -0.0195414471 -0.0503627853 -3.034550e-02 -5.149762e-02
## 173 -0.0502370808 0.0165729974 -0.0680106563 7.413063e-02 -5.550246e-02
## 174 0.0209028721 -0.0951183799 -0.0460060484 6.941482e-02 2.819844e-02
## 175 0.0669928101 0.0356166399 -0.0986583203 1.938622e-02 2.691414e-02
## 176 -0.0360347046 -0.0222129964 -0.0236849423 -2.418975e-02 -1.084954e-03
## 177 0.0423890749 0.0424360310 0.0123998894 1.220222e-02 -2.174892e-02
## 178 0.0057228358 -0.0078745169 0.0290189811 -5.464466e-02 -5.997539e-02
## 179 -0.0293879654 -0.0072056628 0.0636923123 1.047060e-02 -5.098165e-02
## 180 -0.0018957352 -0.1167380885 0.0356896429 -2.407474e-02 2.411936e-02
## 181 -0.0235606468 0.0348170883 -0.0357756574 4.241813e-02 -1.018466e-01
## 182 0.0676511732 -0.0375568150 -0.0154453705 5.127543e-02 -1.061308e-01
## 183 0.0499681450 0.0079625618 0.0125153190 3.325770e-02 2.558251e-02
## 184 0.0305509216 0.0292669947 -0.0261424433 -5.843309e-03 4.770763e-02
## 185 -0.1010923473 0.0193095147 0.0070040159 -1.401666e-02 -3.018895e-02
## 186 0.0042387399 -0.0564382367 -0.0697943452 4.764255e-02 3.828682e-02
## 187 0.0178377073 0.0198146292 -0.0125371440 2.048987e-02 1.805615e-02
## 188 0.0130231319 0.0601520470 -0.0337886352 -8.027513e-02 7.076988e-02
## 189 -0.0882325912 -0.0262339651 0.0158121299 3.766318e-02 6.071079e-02
## 190 -0.0235813932 -0.0178093531 -0.0749158255 -4.638065e-03 3.997948e-02
## 191 -0.0502175550 0.0430003848 0.0018177360 -5.546741e-02 -1.216874e-02
## 192 -0.0881931495 0.0371298377 -0.0578747786 -4.757110e-02 -4.913983e-02
## 193 0.1015150461 -0.0251945665 0.0107396762 1.555445e-02 3.742508e-02
## 194 -0.0258506680 -0.0139424596 0.0395823016 5.969357e-02 1.590407e-02
## 195 -0.0315497497 0.0516182751 -0.0566000101 2.243681e-02 -2.869233e-02
## 196 -0.0593129430 -0.0408064530 0.0006203862 3.226118e-02 -6.396869e-03
## 197 0.0562307583 -0.0504909548 0.0908991545 -1.070542e-01 -3.487290e-02
## 198 0.0237515829 0.0357437243 0.0394650052 -7.524354e-02 1.154398e-02

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## 199	0.0382131358	0.0486858680	-0.0104076143	1.611234e-02	3.681793e-02
##	V186	V187	V188	V189	V190
## 1	0.0343249994	0.0041358696	0.051061064	0.0245665064	0.0154509037
## 2	-0.0857491507	-0.0168989603	0.016575044	0.1169118699	-0.0023209688
## 3	-0.0117970213	0.0206913813	-0.000610934	0.0970747097	0.0449053789
## 4	0.0549306133	0.0160778631	0.004473174	0.0513949269	-0.0727842943
## 5	-0.0718031249	-0.0024644013	0.004377873	-0.0020319037	0.0134976470
## 6	0.0470134368	-0.0627683147	-0.078525343	0.0607401235	0.0515379136
## 7	0.0316358163	-0.0427899910	0.044522449	-0.0284405622	-0.0649103875
## 8	0.0266942938	-0.0261635812	-0.100299514	-0.0136466622	0.0179965735
## 9	0.0468130505	-0.1022215074	0.036317118	-0.0599951297	-0.0273741656
## 10	0.0486719702	0.0018608693	-0.007079338	0.0445724930	-0.0708893591
## 11	0.0025406617	-0.0125006606	0.035580453	0.0317552991	0.0149717542
## 12	0.0021114862	-0.0136882559	-0.066103294	0.0091605347	0.0207398089
## 13	-0.0085548408	-0.0333993633	0.017008733	-0.0463471056	0.0097615162
## 14	0.0694714538	-0.0787622576	0.048338589	-0.0677727323	0.0455135137
## 15	0.0280952911	-0.0056191172	-0.005332327	-0.0020981219	0.0659310396
## 16	0.0624763286	-0.0458568996	0.086050407	-0.0322612228	-0.0478873046
## 17	0.0587181060	0.0345148721	-0.009569229	-0.0562737024	-0.0442498480
## 18	0.0270135308	-0.0055962616	0.061885070	-0.0050791269	-0.0716563608
## 19	-0.0048597730	-0.0092612465	-0.083657292	-0.0598882058	0.0266317588
## 20	0.0324530944	-0.0064384003	0.001362361	-0.0591924151	0.0229046920
## 21	0.0588490165	-0.0347830544	-0.029202795	0.0518264715	0.0593536646
## 22	0.0651580224	-0.0411764160	0.002666144	0.0416714755	0.0018361664
## 23	0.0549630125	0.0012750288	0.042376283	0.0459453169	0.0312006514
## 24	0.0506036652	-0.0266274122	0.043103641	0.0402933168	-0.0108673692
## 25	0.1057237489	0.0359360666	0.022007626	0.0591585221	-0.0806456721
## 26	0.0036845735	0.0065900969	-0.047945898	-0.0455675276	0.0475395612
## 27	-0.0041194365	-0.0373989429	0.010611544	0.0164589762	0.0807071631
## 28	-0.0297026102	-0.0147284062	-0.020114283	0.0058951942	-0.0104526526
## 29	-0.0695469316	0.0470774865	0.049003813	-0.0194834189	0.0240259829
## 30	-0.0555804413	0.0524937299	0.001581296	0.0342574105	0.0101941203
## 31	-0.0386999252	-0.0567231113	-0.015946679	-0.0366478052	-0.0305785220
## 32	-0.0192570158	0.0406211469	0.044156123	0.0052232235	-0.0009122988
## 33	0.0101440554	0.0065530811	-0.006065841	-0.0585547790	0.0673001756
## 34	-0.0096545326	0.0136043906	0.044164059	-0.0444208420	0.0005180022
## 35	0.0329666651	-0.0467415672	0.055569928	0.0128592202	0.0041861413
## 36	-0.0192955843	0.0489652692	0.077125594	0.0268244394	-0.0030718142
## 37	0.0349805794	-0.0775949952	0.004693549	0.0419065413	0.0192936305
## 38	-0.0723930998	-0.0386629377	0.018398419	0.0720015126	0.0129525936
## 39	-0.0398727747	0.0609983279	-0.051731247	0.0246917960	0.0672716322
## 40	0.0315814696	0.0607608457	0.031667152	0.0453690997	-0.0886181177
## 41	0.0214856935	0.0586120582	0.042241149	-0.0369101730	-0.0482561890
## 42	0.0405623663	0.0568627807	-0.016891044	0.0300347653	-0.0198493545
## 43	0.0111942878	-0.0428866293	0.010600794	-0.0508068356	0.0566103973
## 44	0.0094883064	-0.0204386290	0.038855017	0.0487600963	-0.1004504240
## 45	0.0615820398	0.0282523248	-0.001818562	0.0459343626	0.0520151101
## 46	-0.0021415583	0.0010005958	-0.030307164	0.0311759759	0.0190005380
## 47	-0.0031716073	-0.0219641024	-0.008628670	-0.0394739898	-0.0052532796
## 48	-0.0178416069	-0.0172983258	-0.032405617	0.0089607149	0.0479244828
## 49	-0.0068485148	-0.1036113157	0.008255673	0.0335678779	0.0144933786
## 50	0.0169819227	-0.0195793570	0.007675649	0.0201554849	0.0094192455
## 51	-0.0438351008	0.0007908121	0.011221917	-0.0464268150	0.0325726799
## 52	-0.0337879892	0.0574853610	0.025014001	-0.0584865670	0.0086875721

## 53	0.0354204888	0.0093072363	0.048902284	-0.0474342940	-0.0251722505
## 54	-0.0049162685	-0.0401671277	-0.004799248	0.0267358121	0.0143345612
## 55	-0.0357370366	0.0603643553	-0.040112180	-0.0938566848	0.0504218216
## 56	0.0775496524	-0.0185984334	-0.012183371	0.0010476643	-0.0504012936
## 57	-0.0239664551	-0.0428052270	-0.023077215	-0.0190076627	-0.0420352121
## 58	0.0815059212	0.0629426708	0.043451096	-0.0611384718	-0.0108181101
## 59	-0.0742346744	0.0066746777	0.069951030	-0.0499892799	-0.0567376308
## 60	0.0325848027	-0.0175818450	-0.120223546	0.0250308781	0.0446807281
## 61	0.0212898937	-0.0448504903	0.044817737	0.0473519902	0.0498505533
## 62	-0.0404437350	-0.0347005856	-0.001806767	-0.0160561596	-0.0070957408
## 63	-0.1142015010	-0.0127608655	-0.084247214	0.0250707090	0.0051714384
## 64	0.0396557391	0.0080563977	-0.008299911	0.0143763487	-0.0547656249
## 65	0.0771091435	-0.0009810069	-0.071161896	0.0070299300	-0.0247834786
## 66	-0.0188625775	-0.0585305158	0.034112869	-0.0286026686	-0.0404031852
## 67	0.0132228250	0.0188488882	-0.025062676	-0.1132539308	-0.0028671504
## 68	-0.0724460603	0.0142456479	0.021729770	-0.0279779670	-0.0453277688
## 69	0.0145540355	0.0437918390	-0.026680215	-0.0077314985	-0.0012760056
## 70	-0.0822342005	-0.0106599334	0.022504577	0.0397871065	0.0190084283
## 71	-0.0074264068	-0.0446251835	-0.058679620	0.0655798054	-0.0191498950
## 72	0.0893843657	-0.1078131003	0.020174489	-0.0835451344	-0.0108664748
## 73	-0.0772035272	-0.0160530225	0.035969583	-0.0493392152	-0.0017671051
## 74	0.0429810943	0.0226349654	0.006249463	-0.0736166050	-0.0152627074
## 75	0.0209216022	0.0374449025	0.039947832	-0.0254540457	-0.0464005354
## 76	0.0033882481	-0.0182559970	0.014851702	-0.0252037691	0.0257215902
## 77	-0.0205167649	-0.0052845438	0.017811866	-0.0002461349	0.0534689115
## 78	0.0020891055	-0.0583505475	0.102034808	0.0342877340	-0.0110675230
## 79	-0.0195803982	0.0446066512	-0.063855916	0.0270544327	-0.0585536092
## 80	0.0321117275	-0.0699891956	0.006512478	0.0264508047	0.0029569346
## 81	-0.0901793867	0.0024217970	0.071838790	0.0020807884	0.0578900944
## 82	-0.0126226640	-0.0486063976	-0.038544476	0.0502921919	-0.0155329962
## 83	-0.0015185546	0.0492784055	0.028060615	-0.0073165517	0.0246634429
## 84	0.0587026313	0.0413761032	-0.110231890	0.0552046847	-0.0033405492
## 85	0.0335245013	-0.0328256981	-0.075246402	0.0097851951	-0.0228535912
## 86	0.0229369324	-0.0020103627	0.047500378	-0.0121104682	0.0420395557
## 87	0.0169096958	-0.0822152857	-0.045828723	-0.0323151919	0.0300629914
## 88	0.0756849071	-0.0184450238	0.024079906	-0.0268157751	-0.0412677763
## 89	0.0673598715	0.0035734893	0.062538287	-0.0723939870	-0.0000360366
## 90	-0.0690508667	-0.0094381430	0.014781011	0.0290729435	-0.0262943519
## 91	-0.0228610996	0.0322990154	0.018242130	-0.0346495042	0.0608580734
## 92	0.0234605382	-0.0278716237	-0.016277522	0.0138403461	0.0325241076
## 93	-0.0048947302	0.0028472759	-0.035651049	0.0572613545	0.0130540894
## 94	0.0336253929	-0.0496221027	-0.016716785	-0.0128626281	-0.0766011652
## 95	-0.0425215596	-0.0182876807	0.008103283	-0.0091366103	-0.0358657957
## 96	-0.0268579713	0.0091462399	0.021807361	-0.0080958018	0.0529577572
## 97	0.0501731480	0.0164614501	0.023073152	0.0306494630	0.0445011172
## 98	-0.0303566353	0.0081618604	0.014234394	-0.0543299102	0.0148066481
## 99	0.0306236909	-0.0299584550	0.037982815	0.0534269790	0.0574615579
## 100	-0.0221405679	0.0176661978	0.017169374	0.0577148411	0.0511009847
## 101	-0.0686537147	-0.0037661058	0.017116882	-0.0449590408	-0.0061773788
## 102	0.0214558701	-0.0361078863	-0.068714799	0.0310465082	-0.0423872981
## 103	0.0102728320	-0.0929686208	-0.008488639	-0.0280277538	0.0162553704
## 104	-0.0075049503	0.0961486746	0.006309855	0.0121024091	0.0158142341
## 105	-0.0674181210	-0.0502465879	0.003530797	0.0536484732	0.0052834949
## 106	-0.0576110201	-0.0492525802	-0.002891940	-0.0360213126	-0.1557756905

## 107	0.0079864104	-0.0285574610	0.027328223	-0.0606681679	0.0584231319
## 108	-0.0227249134	-0.0033865714	0.024751144	0.0218763798	-0.0294696722
## 109	0.1146180551	-0.0502732651	-0.002548647	0.0110638857	0.0144040556
## 110	-0.0537116785	-0.0383980641	0.003864896	-0.0304284284	-0.0233037366
## 111	0.0342015894	-0.0359745981	0.002676233	0.0342774419	0.0126396936
## 112	0.0511758451	0.0293638367	0.049232860	-0.0080485152	0.0314115307
## 113	0.0341232398	0.0192840797	-0.050157090	-0.0028599256	-0.0057463653
## 114	0.0162475832	-0.0296166250	-0.004582488	0.0508241606	-0.0395155469
## 115	-0.1197973174	-0.0025869240	-0.019325677	0.0013117899	-0.0223654834
## 116	0.0109146725	-0.0718404884	-0.034352664	0.0226616481	0.0535890701
## 117	0.0728083619	0.0503755060	-0.020486825	0.0529266006	-0.0313061290
## 118	-0.1138762145	-0.0756511467	0.035546936	-0.0107595766	-0.0514661148
## 119	-0.0678330593	0.0233293804	-0.005166912	-0.0728401990	0.0532179548
## 120	0.0605675064	-0.0685681481	0.031328329	-0.0334253372	-0.0467968188
## 121	0.0284653060	-0.0234267424	0.089745049	-0.0180666378	-0.0494122797
## 122	0.0749398845	-0.0266622155	-0.092742311	-0.0067553660	0.0071099935
## 123	0.0657857984	0.0114172293	0.054173738	0.0235251523	0.0164040203
## 124	0.0275796698	0.0238620424	-0.074933144	0.0337252371	-0.0037460508
## 125	0.0338322000	-0.0520211730	0.021714703	-0.0738805619	-0.0536454848
## 126	-0.0145738503	0.0460934819	-0.071359799	0.0179926532	0.0673100649
## 127	0.0354487535	0.0240636961	0.016984325	0.0529132995	0.0155274796
## 128	-0.0130764007	-0.0538340138	0.009253180	0.0320879022	-0.0631561616
## 129	-0.0038272030	0.0025441425	-0.002542812	-0.0082438700	-0.0229868168
## 130	0.0544800680	0.0460243982	0.092604692	0.0704533205	0.0300875071
## 131	0.0005116622	-0.0332518046	-0.060112204	-0.0469380775	-0.0570942625
## 132	-0.0062113208	-0.0371729974	0.003105694	0.0408837842	-0.0125380769
## 133	-0.0696112586	-0.0100831255	-0.055735199	0.0808455825	0.0297789595
## 134	-0.0222269751	0.0575731310	0.067995799	0.0563894858	-0.0455703991
## 135	-0.0115558538	-0.1330505236	0.056635920	0.0335529149	-0.0282978668
## 136	-0.0143498801	-0.0258034583	-0.019105900	-0.0293759320	-0.0668522780
## 137	0.0361888041	0.0401946673	-0.013153093	0.0177631344	0.0152558389
## 138	0.0430001861	-0.0024785747	-0.031013097	0.0606860433	0.0342157123
## 139	-0.0079987772	0.0586162729	0.026604106	0.0594148171	-0.0127603120
## 140	0.0304357196	-0.0354870179	0.028957579	-0.0330871187	0.0188405960
## 141	0.0265799709	-0.0195882887	-0.060940113	0.0074454632	-0.0214061940
## 142	0.0084750317	0.0113823616	-0.016955449	0.0267663141	-0.0425640509
## 143	-0.0324317435	-0.0861269027	-0.008607895	-0.0440704418	0.0177198793
## 144	-0.0719578734	-0.0867990427	-0.015390008	-0.0051972106	0.0015353030
## 145	-0.0798367043	0.0075849409	0.017803894	0.0178998404	-0.0215058449
## 146	0.0202172775	-0.0056301058	0.077283318	-0.0093705301	0.0373055204
## 147	-0.0570630071	0.0754138778	0.012283579	-0.0466708464	0.0186569360
## 148	-0.0131215985	-0.0015938685	-0.023435135	0.0174273743	0.0260106721
## 149	-0.0293991659	-0.0434612628	-0.003185426	-0.0052661698	0.0063337154
## 150	0.0518361156	0.0599961549	0.095809997	0.0015051594	0.0007746006
## 151	0.0438181669	-0.0184237363	-0.069080249	-0.0153265416	-0.0176910647
## 152	-0.0099027055	0.0024514545	-0.068240255	0.0257621223	0.0201336879
## 153	0.0275024906	-0.0127645577	0.036322053	0.0855994201	-0.0696558032
## 154	0.0673405250	0.0599768237	0.022400178	-0.0793600410	0.0500087276
## 155	0.0089110301	-0.0873333997	0.067148341	0.0490513810	-0.0672374503
## 156	0.0697195861	0.0107435282	0.087947464	0.0033940938	-0.0917787309
## 157	0.0640723292	-0.0223808163	-0.034725338	0.0462707235	0.0092183396
## 158	-0.0276781612	0.0242675427	0.017020948	0.0291779148	0.0314358477
## 159	0.0229171207	-0.0196738293	0.032439907	0.0067835965	0.0234103039
## 160	0.0101057801	0.0139986266	-0.026556317	0.0120769288	-0.0354265261

## 161	0.0888496741	0.0509191024	0.016208928	-0.0266050351	0.0449480400
## 162	0.0551512230	-0.0136535132	-0.018805421	0.0683557468	0.0942722504
## 163	0.0179441349	0.0097298284	0.011909207	0.0060543795	0.0067610390
## 164	0.0060773060	-0.0080582411	-0.001829407	-0.0293514693	-0.0357905450
## 165	0.0319890698	-0.0076809405	0.065621959	-0.0251877630	0.0317069770
## 166	-0.0593611311	0.0031290838	-0.015528140	-0.0152718977	-0.0312919981
## 167	-0.0127305036	0.0663141525	0.003905338	0.0460313387	-0.0167047528
## 168	-0.0276274468	0.1167751893	0.066127114	0.0324594239	0.0428699198
## 169	0.0281888936	0.0421815649	-0.105069751	-0.0297343292	0.0115052982
## 170	0.0061233256	-0.0213462518	0.011753060	-0.0014067848	-0.0152920899
## 171	-0.0049620706	-0.0254630955	-0.016061328	0.0148148425	0.0224997493
## 172	0.0068884447	0.0680414393	-0.006464779	-0.0878108890	-0.0028661269
## 173	-0.0267890527	-0.0643125184	-0.018792411	-0.0109836789	0.0700240370
## 174	-0.0630428523	0.0401559022	-0.080999906	-0.0405878834	-0.0613647330
## 175	-0.0301858383	-0.0622237455	-0.067250007	-0.0019467891	-0.0062319218
## 176	0.0157333664	0.0464521028	0.010109710	-0.0211562934	-0.0198070092
## 177	0.0189981270	0.0072275759	0.057923560	0.0574823765	-0.0350168897
## 178	-0.0431853963	0.0750930559	0.044563653	-0.0742145604	0.0189090100
## 179	0.0129551247	-0.0551777382	-0.010057827	-0.0082946977	-0.0008279846
## 180	0.0204030269	0.0340493033	0.010910225	-0.0078357709	0.0023435458
## 181	-0.0036720608	-0.0161146746	-0.003540037	0.0047827556	0.0362086703
## 182	-0.0113908765	-0.0467339061	0.008196629	-0.0423373549	-0.0172654688
## 183	0.0500741376	-0.0781572023	0.032962084	0.0247658195	-0.0440797127
## 184	-0.1136414480	0.0085392117	0.059454440	0.0127360647	0.0229609955
## 185	0.0803939081	0.0612335232	0.067333945	0.0092474961	-0.0344768098
## 186	0.0124829825	-0.0030982822	0.007905393	0.1020957322	0.0494631621
## 187	0.0134761780	0.0538086080	-0.003040282	-0.0161500314	0.0206547196
## 188	0.0030328932	0.0183077454	0.032586621	0.0391291605	0.0096812446
## 189	0.0567717775	0.0476865836	0.002127688	-0.0538443007	-0.0258879656
## 190	-0.0794450948	0.0076723915	-0.035013461	0.0062674411	0.0033471238
## 191	-0.0299168780	0.0489231625	0.058427325	0.0196513361	-0.0249687628
## 192	-0.0404297897	0.0111956970	0.084751431	-0.0418951342	0.0034759945
## 193	0.0113183230	-0.0097390611	0.025695557	-0.0087707903	0.0154528370
## 194	0.0387081810	0.0230704818	-0.046695590	0.0402660611	-0.0108827039
## 195	0.0506686328	0.0600277586	0.045877049	-0.0549166031	0.0636659979
## 196	0.0172527350	-0.0593099725	-0.039810141	-0.0063885068	0.0095318429
## 197	-0.1082241112	0.0234411851	0.060271009	-0.0334413959	0.0364225982
## 198	0.0149371273	0.0368135843	-0.031988404	-0.0235422442	-0.0315398345
## 199	0.0570573434	-0.0605794041	-0.004582116	-0.0350626818	-0.0274543651
##	V191	V192	V193	V194	V195
## 1	-0.0142139880	2.600958e-02	0.0290602845	-0.0476078136	-3.139187e-02
## 2	-0.0040622026	-9.551282e-02	-0.0060776756	-0.0288749538	-8.226152e-02
## 3	0.0461883350	-1.515246e-02	0.0166464837	0.0128354445	7.113523e-03
## 4	-0.0474333398	5.186783e-03	-0.0092498717	-0.0374443359	2.371304e-02
## 5	-0.0111246792	5.540410e-03	-0.0043720968	0.0291175872	4.381516e-02
## 6	-0.0114906829	4.953394e-02	0.0211126240	-0.0168655497	-7.794498e-02
## 7	0.0355420607	-2.125206e-02	0.0234985848	0.0495738763	-5.491566e-02
## 8	0.0459219128	-3.426346e-03	-0.0298422780	0.0023540427	5.273299e-03
## 9	-0.0447108758	7.497353e-02	0.0398566008	-0.0764604864	2.415831e-03
## 10	-0.0092485636	5.602771e-02	0.0317162400	-0.0004092271	-5.463376e-02
## 11	0.0198217402	5.878295e-02	-0.0401710584	-0.0680730691	-3.684910e-02
## 12	-0.1039952445	1.156056e-01	0.0483315157	-0.0436092857	-3.506758e-02
## 13	0.0295845517	4.906138e-03	0.0154437849	-0.0631870688	-1.458099e-03
## 14	-0.0629756102	-1.094641e-01	0.0550465367	0.1194527499	-2.703590e-02

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## 15 -0.0902076980 1.456423e-02 0.0594331632 0.0351414368 -1.668321e-02
## 16 0.0179115344 -2.332378e-02 -0.0610278227 0.0338492684 -3.743493e-02
## 17 -0.0068530704 4.015339e-02 0.0010587211 0.0042694744 -7.052339e-03
## 18 -0.0075168182 2.199787e-02 -0.0359270995 0.0015011498 5.543711e-02
## 19 0.0397639596 -4.785960e-03 -0.0586623470 0.1030399009 3.838406e-02
## 20 -0.0509206560 -2.497371e-04 0.0137269160 0.0148258021 6.843048e-02
## 21 -0.0865828545 9.862274e-02 -0.0628308240 0.0458417901 -1.119654e-01
## 22 -0.1075663063 8.008667e-03 0.0115579332 -0.0062120581 -3.527870e-02
## 23 0.0104412749 5.596333e-02 0.0371221863 -0.0306714991 -1.165404e-04
## 24 0.0474821038 5.783981e-02 0.0352215781 0.0625593292 -3.566559e-02
## 25 -0.0044870603 6.797654e-02 -0.0023868323 -0.0253585104 5.146541e-02
## 26 0.0058253738 8.504115e-03 -0.0825848334 -0.0313243558 -4.455569e-02
## 27 -0.0294964624 -5.739151e-03 -0.0256219915 0.0497102846 1.767498e-02
## 28 0.0142347300 1.358329e-02 0.0048645249 -0.0978900364 1.833178e-02
## 29 -0.0168870907 3.786913e-02 -0.0014740204 0.0391290568 -3.305427e-02
## 30 0.0042476555 4.116468e-02 0.0391144865 0.0660017914 8.954493e-04
## 31 -0.0326650151 -2.230795e-02 -0.0082090876 -0.0071034361 3.062577e-02
## 32 0.0203327741 -2.459700e-02 0.0317314362 0.0069988184 6.871869e-02
## 33 -0.0900869425 4.371700e-02 -0.0193798728 -0.0373008736 -9.355428e-02
## 34 0.0359681050 4.929402e-04 -0.0004257899 0.0244627827 7.275203e-02
## 35 -0.0546372806 1.056691e-02 0.0296598692 0.0358228098 4.441321e-02
## 36 0.0039815923 1.776819e-02 0.0786273979 0.0321625903 -4.071008e-02
## 37 -0.0465948637 -3.913889e-03 -0.0076014255 0.0904959259 4.637144e-02
## 38 0.0159486710 2.968259e-02 -0.0624490601 -0.0051650162 -1.465755e-03
## 39 0.0549509538 -4.729977e-02 0.0154376089 -0.0489278979 6.608952e-02
## 40 0.0051530034 -1.849073e-02 0.0115676916 -0.0402673749 7.621015e-02
## 41 0.0218932125 -6.255322e-04 -0.0018567874 -0.0637051734 -6.891348e-02
## 42 -0.0014617887 4.473458e-02 0.0267153780 0.0065266865 1.897558e-02
## 43 -0.0011245639 -1.873355e-02 0.0266629837 -0.0647373507 1.014162e-02
## 44 -0.0188849539 2.064937e-02 -0.0301440482 0.0534816255 -3.476228e-02
## 45 -0.0762942633 3.190090e-02 0.0244657881 -0.0025410246 3.694272e-03
## 46 0.0318309217 -5.049306e-04 0.0540767073 0.0845792073 1.501351e-02
## 47 -0.0363230486 3.888502e-02 0.0345468095 -0.0377778372 -5.980050e-02
## 48 0.0532013251 -7.783379e-03 -0.0535864975 0.0016087240 -5.759282e-02
## 49 0.0544422633 3.660353e-02 -0.0637438512 -0.0818994880 -3.086842e-02
## 50 -0.0146873173 -6.420192e-03 0.0594929379 0.1148178680 -3.047502e-02
## 51 -0.0300416436 7.498702e-02 -0.1144905073 -0.0561122640 2.399218e-02
## 52 -0.0029753403 -7.143928e-02 -0.0451698698 0.0568843258 -1.388095e-02
## 53 -0.0182261102 -7.104967e-02 -0.0358506255 -0.0097890816 -9.050431e-03
## 54 -0.0049213665 3.636838e-02 -0.0893332267 0.0248119452 3.814297e-02
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## 58 -0.0092118685 -1.771495e-02 0.0573102947 0.0309435996 1.125388e-02
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## 61 -0.0571108528 -2.929652e-03 -0.0478797850 -0.0025430321 -4.106002e-04
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## 77 0.0208989554 -4.409691e-02 -0.0009971321 0.1089885242 3.241072e-02
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## 79 0.0011745629 3.336005e-02 0.0135647332 -0.1228141598 -2.958112e-02
## 80 0.0452284138 -6.000555e-02 0.0770324896 0.0994900227 -3.879577e-02
## 81 -0.0905782910 1.963103e-03 0.0017708904 -0.0122319600 -4.173029e-02
## 82 -0.0041567488 2.634354e-02 -0.0069734922 -0.0281663201 -4.894137e-02
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## 87 0.0163701477 3.464725e-02 0.0024973756 0.0064460575 6.055553e-02
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## 91 0.0233620616 9.849059e-02 0.0128138062 -0.0362605601 4.869932e-02
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## 109 0.1095986925 -4.678348e-02 -0.0069920754 -0.0168311082 3.378394e-02
## 110 0.0643058104 -1.689349e-02 -0.0230914488 -0.0349401945 9.376532e-03
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## 133 -0.0620552058 5.376721e-02 -0.0229209977 -0.0776190182 3.379291e-02
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## 150 -0.0487611092 -3.344824e-02 -0.0092951600 -0.0095192712 5.006018e-02
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## 155 0.0122395897 3.340475e-02 0.0208563229 0.0423836835 7.048413e-05
## 156 0.0760416900 2.789144e-02 0.0709007173 0.0292652448 -1.146634e-02
## 157 -0.0361610671 5.465530e-02 -0.0443697037 0.0341770526 -6.612891e-03
## 158 0.0094947121 2.504676e-02 0.0620840167 -0.0717236120 -1.182882e-02
## 159 -0.0130017834 2.301747e-02 -0.0290232944 -0.0111897599 7.900373e-03
## 160 0.0509818766 -2.183772e-02 0.0152044885 -0.0366042141 -2.237594e-02
## 161 0.0419538691 -1.287966e-02 -0.0335198548 -0.0589280400 -2.504263e-02
## 162 0.0116848561 -1.813206e-02 -0.0992241047 0.0601142600 6.753438e-02
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## 164 -0.0123510267 -1.800967e-02 -0.0537460188 0.0228740078 -2.305633e-02
## 165 0.0682642636 4.999789e-02 -0.0077265219 -0.0351444037 -4.685471e-02
## 166 -0.0278134861 8.786733e-02 0.0500992729 -0.0697484131 1.025910e-03
## 167 0.0659285527 -4.965673e-02 -0.0620844051 0.0338082233 -9.956863e-03
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## 184 -0.0242756333 7.776146e-06 -0.0090190903 -0.0738327400 2.868245e-02
## 185 -0.0481368166 4.216229e-02 0.0060659574 0.0671887621 -4.764516e-02
## 186 0.0979208584 -2.331749e-03 -0.0718248819 -0.0078119195 3.631744e-02
## 187 0.0071623434 -3.730512e-02 -0.0447604724 0.0205245960 8.616020e-03
## 188 0.0165596463 8.886500e-02 0.0314988630 -0.0122516509 2.248298e-02
## 189 0.0790093711 3.911558e-02 0.0235342086 -0.0374590861 -3.961075e-02
## 190 0.0094114196 8.790433e-02 0.0313133682 -0.0270679650 7.086717e-02
## 191 0.0091542204 5.423790e-02 0.0450148718 -0.0410055360 1.530933e-02
## 192 -0.0474829151 2.832836e-02 0.0023742477 -0.0457462284 -5.696619e-02
## 193 0.0755396039 1.126214e-03 0.0595099210 -0.0336857058 1.986769e-02
## 194 -0.0228358004 4.834377e-03 -0.0250259605 0.0255151361 1.162551e-02
## 195 -0.0023469376 -1.020202e-01 0.0889824074 -0.0374991458 9.143364e-03
## 196 -0.0501234054 -5.142317e-02 -0.0812412357 0.0596596393 8.026075e-02
## 197 0.0136473308 -9.370543e-03 0.0192331563 0.0306367168 3.030322e-02
## 198 0.0448258621 2.243957e-02 0.0527342715 -0.0763130945 -2.281844e-02
## 199 -0.0307371150 2.279640e-02 -0.0477531896 0.0568239617 6.411240e-02
##          V196          V197          V198          V199          V200
## 1  -0.0716799013 0.027385299 0.0086901888 -0.0193584583 2.004944e-02
## 2   0.0082918580 0.080743058 -0.0253441048 0.0499947827 -7.240524e-02
## 3   0.0136407186 0.008315940 -0.0107806535 -0.0279557004 1.961279e-02
## 4   0.0440708686 -0.051040905 0.0400095290 0.0312316034 1.020140e-01
## 5  -0.0394510147 0.017021689 0.0498465219 -0.0249531475 4.805346e-02
## 6  -0.0648021848 0.010292237 -0.0206100130 0.0576900901 2.773750e-02
## 7  -0.0233610069 0.000553281 -0.0129088145 0.0417526414 1.516242e-02
## 8  -0.0370807738 0.023679216 -0.0231839252 -0.0516556775 -4.338150e-02
## 9   0.0083543848 0.031617709 0.0036641076 0.0285582868 7.530716e-02
## 10  0.0483546997 0.061160671 0.0462105725 0.0150272298 3.589881e-02
## 11 -0.0348940159 -0.061296895 -0.0245286147 0.0433047338 6.500988e-03
## 12 -0.1265377659 -0.028658192 -0.0134786854 0.0459468275 9.126278e-02
## 13  0.0296551415 -0.032355062 0.0480491021 -0.0799568133 5.201757e-02
## 14  0.0703536656 0.027294880 -0.0154658713 0.0474643885 7.990999e-03
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## 23  0.0015675677 -0.129436273 0.0800422743 -0.0089038749 -4.746458e-02
## 24  0.0402076255 -0.057274207 -0.0108874499 0.0466184957 -3.588163e-02
## 25  0.0120992655 -0.056131267 -0.0262212860 0.0009334314 4.986437e-02
## 26 -0.0521184368 -0.067290716 0.0182196273 0.0942697780 3.135163e-02
## 27  0.0354960882 -0.120735209 0.0089012462 0.0680839914 -1.079393e-02
## 28 -0.0223000329 0.003595522 -0.0535096562 -0.0690410732 8.801115e-02
## 29 -0.0131147737 0.021443167 0.0061118880 -0.0221992185 -1.631959e-02
## 30  0.0268109212 0.014450276 0.0258435690 -0.0200024923 5.860569e-02

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## 31 -0.0178479045 0.036141223 0.0136759161 0.0070798643 -1.376856e-02
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## 33 0.1023586592 0.019122233 0.0262836732 0.0622733878 1.175130e-02
## 34 -0.0041756576 0.019063234 0.0104768452 -0.0500251779 -3.126455e-02
## 35 0.0010947670 -0.002061479 0.0216640602 -0.0134097679 -5.266952e-02
## 36 -0.0703060259 -0.047245797 0.0409235131 0.0597065724 -2.423501e-02
## 37 -0.0805982635 -0.019764717 -0.0428328756 0.0495040863 3.022504e-02
## 38 -0.0387521381 0.008431974 -0.0030639917 0.0148672220 -4.551640e-02
## 39 0.1109666284 -0.014734730 0.0155250264 -0.0723465643 -7.442904e-02
## 40 0.0861003200 -0.028030250 -0.1138237559 -0.0386341566 1.129908e-02
## 41 -0.0836291796 -0.038058959 -0.0331977542 -0.0350629720 -1.528424e-02
## 42 -0.0362261842 0.049394090 0.0474237609 -0.0024279972 4.398096e-02
## 43 0.0480126414 -0.004351936 0.0253866339 -0.0192681358 1.398516e-02
## 44 0.0525515965 0.055061386 -0.0412609739 -0.0298176372 -6.614306e-02
## 45 0.0075331662 0.037356943 0.0062161845 0.0248094645 -4.006768e-02
## 46 -0.0907876703 -0.051164836 0.0348459810 0.0303731716 1.004719e-01
## 47 0.0215621281 0.043276762 -0.0315368673 -0.0338922175 5.825161e-03
## 48 0.0126490519 0.006018246 -0.0112947013 -0.0189634467 -1.302626e-02
## 49 0.0301548701 0.010984650 -0.0192196475 -0.0443659553 -7.501546e-02
## 50 0.1029557249 -0.037365943 0.0073145729 0.0206964797 9.233357e-02
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## 52 -0.0273058093 0.076439429 -0.0782860582 0.0592921553 2.132146e-02
## 53 -0.0618182295 -0.053335926 -0.0059702220 0.0106336894 -2.449917e-04
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## 109 -0.0241268249 -0.011520711 0.0417809629 -0.0664026175 -4.323320e-02
## 110 0.0101443223 -0.028398977 0.0078134182 -0.0093355920 -4.073922e-03
## 111 -0.0409377902 0.006385022 0.0680051779 -0.0519992908 -6.191922e-03
## 112 -0.0209393344 0.051087318 0.0442845390 -0.0186112034 -1.953244e-02
## 113 0.0026680169 -0.057936084 -0.0095833174 0.0163137310 1.192205e-03
## 114 0.0110413991 0.033586978 -0.0566324644 -0.0204680814 3.317227e-02
## 115 0.0595724213 -0.064501525 0.0002875338 0.0561988624 -4.413826e-02
## 116 0.0552802332 0.002190128 0.0068935944 -0.0227947375 2.774417e-03
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## 192 0.0117008753 0.031275058 0.0010048310 -0.0833127769 5.750976e-02

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## 193	0.0131372368	0.058906415	-0.0159427215	0.0031989900	2.560088e-02
## 194	-0.0194868661	0.006191224	-0.0310946103	-0.0581736428	-1.453867e-02
## 195	-0.0911220007	-0.031993554	-0.0215682780	-0.0102404085	7.532747e-02
## 196	0.0229924244	0.056033343	-0.0090093303	0.0967467477	-1.579065e-02
## 197	-0.0255617679	-0.006657096	-0.0824304868	0.0167499672	-2.996971e-02
## 198	-0.0102071041	0.040211825	-0.0019991668	-0.0215925369	-5.077043e-03
## 199	0.1010757611	0.039376096	-0.0546017286	0.0774478586	8.737073e-03
##	V201	V202	V203	V204	V205
## 1	0.0115121596	-0.0233416372	0.0098051635	-0.039394238	-2.543238e-02
## 2	-0.0616941203	0.0083554062	-0.0163431065	0.001310007	-2.355680e-02
## 3	-0.0522253606	0.0523824212	-0.0703623017	0.087738557	-1.489423e-02
## 4	-0.0751367106	-0.0035363266	0.0260676985	0.017278148	-1.213215e-02
## 5	0.0494024150	-0.0880039782	0.0857498683	-0.025794157	4.636386e-02
## 6	0.0023819928	-0.0089186617	0.0231661331	-0.005944466	-2.402966e-03
## 7	-0.0384420287	0.0597065004	0.0415071741	-0.058238171	2.412182e-03
## 8	0.0239550467	0.0562381371	-0.0403136737	0.034332950	1.339223e-03
## 9	-0.0335860525	-0.0550761232	0.0239550860	0.007083166	3.231052e-02
## 10	-0.0099731934	-0.0635037559	-0.0249470238	0.001652994	8.115695e-02
## 11	0.0055906837	0.0321590965	0.0562790827	0.024116935	-4.251297e-02
## 12	0.0473478101	0.0004088396	0.0201185403	-0.031313142	1.020447e-02
## 13	0.0420968188	-0.0189226464	-0.0469186889	0.008939229	-6.123680e-03
## 14	0.0371121269	-0.0193933134	0.0062639609	0.023943475	-2.914263e-02
## 15	-0.0388451465	-0.0516109587	0.0966577864	0.002682553	3.602447e-02
## 16	-0.0745023565	-0.0374797549	0.0193634448	-0.041140360	-2.297435e-02
## 17	-0.0372788005	0.0253834989	0.0239603657	0.017523993	2.094573e-02
## 18	-0.0609291806	0.0464488946	0.0416174814	0.018149171	-1.104351e-02
## 19	-0.0112583725	0.0218968485	0.0128028226	0.048128627	-3.012396e-02
## 20	0.0203276472	0.0805996002	0.0367112059	0.016473216	-6.167698e-02
## 21	-0.0223338500	0.0076515603	-0.0124923910	-0.024899198	2.075138e-02
## 22	0.0933159077	-0.0496033325	0.0035712403	0.132616004	-8.437856e-02
## 23	-0.0178137559	0.0455981114	-0.0016750506	0.072534313	-4.139655e-02
## 24	0.0235738445	0.0825220144	0.0328699773	-0.022105502	-5.000975e-03
## 25	-0.0258955327	-0.0952108894	0.0312195347	-0.033861402	-3.627256e-02
## 26	0.0148138573	-0.0230837294	0.0203848657	0.012287712	2.265017e-02
## 27	0.0170487340	0.0596682016	0.0467352776	0.037023367	-1.220575e-01
## 28	0.0449527074	0.0157380148	0.0358039870	-0.056634131	7.822357e-02
## 29	0.0461536968	-0.0331006310	-0.0539087138	-0.035201417	5.642038e-02
## 30	0.0123975711	-0.0236708422	0.0072756158	-0.044170315	-3.364760e-02
## 31	0.0228277813	-0.0418513825	0.0457138720	-0.006052756	-1.041881e-02
## 32	0.0682427871	0.0573603018	0.0306278593	0.041618912	-1.480661e-02
## 33	-0.0166140025	-0.0564147964	-0.0466480987	-0.007063815	-6.735586e-02
## 34	-0.0018841042	0.0645924093	-0.0307994599	-0.043397296	1.481652e-04
## 35	-0.0384283455	0.0252571465	0.0266725336	0.073286164	1.174859e-02
## 36	-0.0114370083	-0.0523210383	0.0842650685	0.014143869	4.249887e-02
## 37	-0.0385612616	-0.0020623277	-0.0421934769	-0.031695792	1.175304e-01
## 38	0.0017346802	0.0305156508	0.0256772793	-0.091405846	4.455396e-02
## 39	0.1329429989	0.0628516621	0.0198933885	0.042687157	4.874045e-03
## 40	0.0105269429	-0.0174168699	0.0344818607	0.026463190	-1.475996e-02
## 41	-0.0072684643	0.0500527718	0.0369516771	-0.056212520	-1.583041e-02
## 42	-0.0094115994	-0.0157100003	0.0470017492	-0.075386958	-6.381396e-02
## 43	0.0195458871	0.0367425221	0.0398017704	-0.009903121	1.727265e-02
## 44	0.0127108642	-0.0405027665	-0.0236953542	0.037986554	-1.183954e-02
## 45	0.0133698975	0.0202539214	-0.0057767908	0.002411261	-2.466411e-02
## 46	-0.0201286444	-0.0112121718	-0.0270209180	0.080203236	-1.946809e-02

## 47	0.0345741598	0.0382461939	-0.0194559254	-0.010505224	4.052488e-03
## 48	0.0536751771	-0.0367965341	0.0478328685	0.021937927	-9.558282e-02
## 49	0.0107815153	0.0402336780	0.0536810785	0.018844880	-8.125312e-03
## 50	0.0512992331	-0.0056621171	-0.0123767665	0.014589266	4.840490e-02
## 51	-0.0666216246	0.0503435230	0.0016844966	-0.055303149	3.487125e-02
## 52	0.0219374171	0.0826487361	0.0048234935	-0.056390340	7.136410e-02
## 53	-0.0055057220	-0.0253671117	0.0210941837	0.040317667	-7.125604e-02
## 54	0.0049002283	0.0060329143	0.0004593288	0.010033498	-2.204977e-02
## 55	0.0533831714	0.0848191501	0.0508280879	-0.064513575	-6.261192e-02
## 56	-0.0190478953	-0.0359172068	0.0293850139	-0.091164804	-3.788159e-02
## 57	0.0325711111	0.0418776147	0.0495726157	0.005721637	3.397300e-02
## 58	-0.0471390297	-0.0265220092	0.0118629579	0.024946437	-7.354256e-02
## 59	0.0458924535	-0.0173977328	-0.0859523781	0.003725721	-6.151710e-02
## 60	0.0228037908	0.0474379182	-0.0675824252	0.005491009	-1.062694e-01
## 61	-0.0095216334	-0.0388269715	0.0217696912	-0.016608589	9.811646e-02
## 62	0.0017658240	0.0081090941	0.0040086151	-0.117698750	-4.475204e-02
## 63	0.0217448160	0.0301061659	0.0047370321	0.022819324	-4.515657e-02
## 64	0.0745922885	0.0474316493	-0.0835292062	-0.054986369	-1.306779e-02
## 65	-0.0187515445	-0.0019084115	-0.0296372635	-0.016141500	-4.161310e-02
## 66	0.0668514235	-0.0490784603	-0.0404569270	0.024061784	-2.782158e-02
## 67	0.0462940247	-0.0569670344	0.0200851160	0.037107028	1.069314e-02
## 68	-0.0361818300	-0.0826305648	-0.0474842527	0.005096718	-2.582160e-02
## 69	-0.0742952260	0.0514078849	0.0527006137	-0.029706349	-2.319033e-02
## 70	0.0078196765	0.0524597617	-0.0345240314	0.055029527	-2.828357e-02
## 71	0.0805175303	-0.0495565999	0.0562784688	-0.040775175	1.356995e-02
## 72	0.0027451306	0.0082771729	0.0192349371	-0.030252696	-6.092909e-02
## 73	-0.0734774285	0.0333206812	-0.0423515199	0.040629996	-7.412374e-03
## 74	0.0442718694	0.0653974463	0.0607437301	0.036404911	-4.946614e-02
## 75	0.0454900868	0.0140554181	0.0004849319	0.018415074	-7.190320e-02
## 76	-0.0156631065	0.0755724875	0.0276875390	0.052462860	-2.075337e-03
## 77	0.0485314714	0.0593924576	0.0163256312	0.006283096	2.684769e-02
## 78	-0.0176302169	0.0036209982	-0.0097102583	-0.042060926	4.748517e-02
## 79	-0.0282930114	0.0784857025	-0.0730504447	-0.036781346	-3.895254e-02
## 80	-0.0443879501	0.0114671751	-0.0560750598	-0.017502285	-4.837694e-03
## 81	-0.0035809829	0.0560563967	0.0265889361	0.045440595	-1.333018e-02
## 82	-0.0280023674	0.0196485060	-0.0059079792	-0.033655760	-8.847824e-03
## 83	0.0184110739	0.0077786947	-0.0469991153	0.005662665	-8.522908e-04
## 84	0.0578180020	0.0425851503	0.0200791981	-0.031660275	7.203957e-02
## 85	0.0868430029	0.0136450556	0.0690795699	-0.019521524	4.847449e-03
## 86	-0.0172562950	0.0296764209	-0.0492822317	-0.050401883	-1.996767e-02
## 87	-0.0636216913	0.0441739325	-0.0824258175	-0.017385999	-1.632574e-02
## 88	-0.0413423660	-0.0578076109	-0.0336743932	0.036671550	3.423703e-02
## 89	0.0374380100	-0.0352357394	-0.0176717314	-0.071350774	1.307510e-02
## 90	-0.0246520384	0.0637237290	-0.0007630940	-0.009614662	1.452953e-02
## 91	0.0790291737	-0.0792201558	0.0256029761	-0.020941153	-4.427590e-02
## 92	0.0078474694	0.0274959206	0.0137808458	-0.002686322	3.812554e-02
## 93	-0.0091058697	-0.0063489064	0.0271701770	-0.031054933	5.237627e-02
## 94	-0.0613394143	-0.0023100933	0.0179198442	0.004526379	5.733821e-02
## 95	-0.0263368210	0.0418671005	-0.0316666649	0.019936041	8.391683e-02
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## 97	0.0478523443	0.0017238646	0.0174161745	-0.081407053	2.351018e-03
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## 101 -0.0017675457 -0.0005991822 0.0478803284 -0.026989346 4.656263e-02
## 102 0.0100840897 -0.0517735405 -0.1180917275 -0.011507739 2.687250e-03
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## 106 -0.0394422589 0.0355730817 -0.0734396945 -0.030741997 -6.837202e-02
## 107 0.0137789124 -0.0310339060 0.0606157212 0.089680183 2.962834e-02
## 108 0.0607564948 -0.0276249867 0.0463899863 -0.003517499 4.069907e-02
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## 115 0.0352440049 0.0281796370 -0.0813027934 0.043174927 2.737855e-03
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## 118 -0.0161103561 -0.0299697411 -0.0047056730 0.030208615 -6.882068e-02
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## 137 -0.0213813790 -0.0439430645 0.0083295840 0.002756033 -6.885690e-02
## 138 -0.0707480190 -0.0136922712 -0.0386728274 -0.019160327 1.615057e-02
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## 141 0.0311942278 -0.0310740239 0.0668584163 -0.004571781 6.085014e-04
## 142 -0.0071682891 -0.0066778894 0.0103403328 0.042223569 5.219484e-02
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## 149 0.0195819009 -0.0141858025 -0.0522855357 -0.021643479 -8.814403e-02
## 150 -0.0324517557 0.0540241829 0.0489312786 0.012554848 -7.138250e-02
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## 155 -0.0068365742 0.0130086235 0.0282389178 0.032134996 -2.125276e-03
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## 171 -0.0059341128 -0.0589625846 0.0238602335 0.043422066 6.474393e-03
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## 182 0.0007334794 -0.0457628773 -0.0391732207 -0.058161805 1.001272e-02
## 183 -0.0152381904 -0.0902999722 -0.0601565117 0.027093915 5.504638e-03
## 184 -0.0115209360 0.0060830241 0.0371379867 -0.013496793 9.111813e-02
## 185 -0.0423132625 0.0301635865 0.0389528666 0.025850367 -1.691339e-02
## 186 0.0384594089 0.0077163795 -0.0552703770 -0.104524630 4.174552e-02
## 187 0.0015912325 0.0722511976 -0.1161608366 0.011930986 1.727213e-03
## 188 -0.0126698967 0.0356855496 0.0220025340 0.010010096 -1.095267e-01
## 189 0.0463420095 0.0561112795 0.0853117432 -0.008289406 -5.830144e-02
## 190 0.0512630320 0.0579055167 0.0104882202 0.050658904 -5.416047e-02
## 191 0.0338364302 0.0341335610 0.0139707497 -0.030258746 2.160534e-02
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## 193 -0.0347210460 -0.0211902931 -0.0213861720 -0.045855907 4.701191e-04
## 194 -0.0461697511 0.0730591390 -0.0413965427 0.016101507 -3.623277e-02
## 195 0.0004660933 -0.0557930113 -0.0593406890 0.042771324 3.358400e-02
## 196 -0.0027605177 -0.0871022553 -0.0553404716 -0.018982084 2.534141e-02
## 197 0.0072528084 0.0077197089 0.0307635814 0.004832575 -7.619366e-02
## 198 0.0585576191 -0.0155617165 -0.0545263969 0.023055173 -5.367006e-02
## 199 -0.0181668273 0.0774082003 -0.0917281664 -0.019486194 2.048615e-02
##          V206          V207          V208          V209          V210
## 1 -2.987088e-03 -9.470553e-03 -0.0042713171 0.0105967660 -0.0126632059
## 2 7.271202e-02 1.312120e-02 0.0093181543 -0.0047583346 0.0628668152
## 3 -2.913507e-03 -6.488793e-02 0.0032851080 0.0390702873 0.0130872865
## 4 -5.399971e-02 4.622149e-02 0.0907889259 -0.0446574839 -0.0056962515
## 5 1.216549e-01 -8.864967e-03 0.0465658922 0.0757043749 0.0045088975
## 6 3.829058e-03 2.128904e-02 0.0308895369 0.0492911683 0.0576695194
## 7 -4.410048e-03 3.195019e-02 0.0498437449 -0.0110661685 0.0732115729
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## 11	-3.119920e-03	6.126263e-02	-0.0336818579	0.0130227743	0.0212832194
## 12	-4.931714e-02	-9.855886e-03	-0.0509161248	-0.0222841504	0.0368429897
## 13	-9.280230e-03	2.863549e-02	-0.0725738962	0.0252567811	0.0671833625
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## 15	-3.769870e-02	1.847768e-02	-0.0298228386	0.0106265499	0.0555002165
## 16	-2.452501e-02	5.304681e-02	-0.0062919147	0.1019366604	0.0123581281
## 17	5.158230e-02	4.797833e-02	0.0417646833	0.0108059130	0.0170424291
## 18	-8.852419e-02	-4.004598e-02	0.0381766371	-0.0006926382	-0.0065286824
## 19	-8.811067e-03	-4.095538e-02	0.0698056763	-0.0767296556	-0.0087313208
## 20	3.008629e-02	6.634468e-02	-0.0599756292	0.0337743219	0.0615988469
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## 24	3.060293e-02	1.030947e-02	-0.0225623043	-0.0138534924	0.0114177218
## 25	1.130820e-02	-1.509888e-01	0.0444873763	0.0019810701	-0.0247545578
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## 28	-3.258228e-02	-2.183475e-02	0.0555631222	0.0014285326	0.0345212566
## 29	-5.788481e-02	1.565196e-02	-0.0398086866	0.0013096173	-0.0024025908
## 30	-1.076585e-02	3.128111e-02	0.0350501803	0.0444167464	-0.0024830223
## 31	-5.719591e-02	3.893885e-02	-0.0379305259	-0.0439358356	-0.0540555500
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## 40	-3.813954e-02	4.229133e-03	0.0082549649	-0.0132067626	0.0527680527
## 41	-8.483359e-02	3.224125e-02	0.0250428515	-0.0311327670	-0.0149582478
## 42	5.548497e-02	2.139171e-02	0.0171820831	0.0661394964	-0.0064501424
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## 44	-2.563472e-02	-2.115991e-02	0.0049571188	-0.0140301692	0.0305601522
## 45	-7.936255e-02	1.044460e-01	-0.0774957425	-0.0366861180	-0.0757256605
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## 64	1.149153e-02	-3.419145e-02	0.0403110163	0.0287472055	-0.0001155646
## 65	-1.067449e-02	-1.337634e-02	0.0012623232	0.0265057806	0.0622398155
## 66	1.056258e-01	1.165743e-02	0.0674662175	0.0202961385	0.0002733218
## 67	-3.010274e-02	2.422787e-02	-0.0107606271	-0.0371596168	-0.0286519228
## 68	-1.254986e-02	-4.520601e-02	0.0106293785	0.0009195497	-0.0132804874
## 69	-3.124814e-02	-1.002228e-01	0.0067428856	-0.0196395862	0.0111758682
## 70	-7.545763e-02	1.583459e-02	-0.0390964019	-0.0102585487	-0.0172233075
## 71	-7.528512e-02	-4.149667e-02	0.0191634957	-0.0577762741	0.0016650135
## 72	-2.824481e-02	-1.229161e-02	-0.0015641800	-0.0215870291	0.0854121543
## 73	7.194785e-02	-5.202026e-02	-0.0773548472	-0.0748682527	0.0492550786
## 74	-2.214762e-02	1.497465e-02	-0.0067287376	-0.0946528430	-0.0534909155
## 75	-1.314440e-02	-2.650775e-02	0.0157051505	-0.0185122698	-0.0162015646
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## 77	4.819802e-02	-3.816816e-02	-0.0308228945	0.0211643130	-0.0104428140
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## 84	-1.716211e-02	-3.953059e-03	-0.0187081875	-0.0227639999	0.0598247649
## 85	1.564313e-02	2.221371e-02	-0.0316658973	-0.0409043846	-0.0440643427
## 86	4.402671e-02	-3.702639e-03	0.0161888086	-0.0117794852	-0.0278806128
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## 90	-1.607540e-02	1.435252e-02	0.0036123163	-0.0463399851	0.0590694204
## 91	-6.118367e-02	6.551138e-04	-0.0124592747	0.0093741849	-0.0212138270
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## 100	-4.499932e-02	-5.368660e-02	0.0697629784	-0.0554312448	0.0359137060
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## 107	-4.339884e-02	-1.404287e-03	0.0312389470	0.0002218226	0.0508881624
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## 177	1.121895e-02	2.487607e-02	-0.0063174637	-0.0762301652	-0.0266158901
## 178	-1.417823e-02	3.259408e-02	0.0063666940	-0.1556666997	-0.0782115845
## 179	6.273565e-02	-3.478114e-02	0.0037908865	-0.0350241791	-0.0082915980
## 180	-2.834234e-02	-2.409496e-02	-0.0669045584	0.0848983588	-0.0060716018
## 181	5.882130e-02	-3.352854e-02	-0.0231268561	0.0567665680	-0.0321298877
## 182	4.864338e-02	2.239424e-03	0.0071469409	0.0701251500	-0.0400813189
## 183	-1.473007e-02	-5.438994e-02	-0.0431678988	-0.0747672535	-0.0447475036
## 184	-2.878580e-02	1.219049e-02	0.0015806658	0.0648692966	0.0287989749
## 185	-3.998826e-02	4.121172e-02	0.0085346666	0.0370316035	-0.0433872461
## 186	-3.748359e-02	-1.253770e-02	-0.0650650906	-0.0354716092	-0.0215228874
## 187	3.050053e-02	-3.646003e-02	0.0036794920	-0.0317482113	0.0236624578
## 188	-8.100180e-02	-2.281127e-02	-0.0535915181	0.0220139710	0.0266958848
## 189	3.026439e-03	6.054047e-03	0.0132716649	0.0057957225	-0.0390918677
## 190	2.710642e-02	3.704899e-02	-0.0078835057	-0.0198100252	0.0378272409
## 191	9.543445e-03	-2.022610e-02	0.0603663475	0.0156055888	0.0113206116
## 192	-1.420256e-01	2.888245e-02	-0.0043383249	-0.0782015112	-0.0066735594
## 193	-1.453761e-02	-6.630223e-02	0.0369045469	0.0118024504	-0.0108412754
## 194	1.869356e-02	4.698722e-02	0.0566325295	-0.0068954267	-0.0553394329
## 195	4.810286e-02	-2.079114e-02	-0.0214443934	-0.0041223603	0.0190739012
## 196	5.871960e-02	8.261494e-02	0.0501479957	0.0791777828	0.0748980270
## 197	-1.079525e-01	-1.487937e-02	0.0226237089	0.0349958831	0.0722800443
## 198	4.568630e-03	-1.818408e-02	-0.0373621856	0.0052381429	-0.0610069811
## 199	-4.071949e-02	6.108621e-02	-0.0288187327	0.0366543194	0.0114870619
##	V211	V212	V213	V214	V215
## 1	5.496848e-02	2.818874e-02	0.0135361962	1.218256e-02	-2.957293e-02
## 2	1.983200e-02	5.176539e-02	-0.0537789755	-6.088686e-02	-3.133745e-02
## 3	-6.705410e-02	-2.239847e-02	0.0589375038	-1.169236e-02	1.481582e-03
## 4	-9.218430e-02	-1.910049e-02	0.0428410911	5.469071e-03	1.075343e-01
## 5	5.716137e-02	-6.097364e-02	-0.0155344343	-6.074943e-02	-6.894722e-02
## 6	-4.116332e-02	-7.876759e-02	0.0260219998	6.158654e-02	-7.444925e-02
## 7	9.740225e-03	7.593138e-02	0.0709068320	-2.082674e-02	-2.778565e-02
## 8	-2.897603e-03	1.767888e-03	0.0558807704	3.263102e-02	-1.882223e-02
## 9	3.360653e-02	-1.748066e-02	0.0038054952	-2.113062e-02	1.173759e-01
## 10	5.830132e-04	-1.208599e-02	-0.0147023812	-6.050673e-03	-1.253382e-01
## 11	-5.138943e-02	1.538447e-02	0.0328137748	3.977145e-02	7.755859e-03
## 12	5.368571e-02	-5.934065e-02	0.0761358172	5.616276e-03	1.983228e-02
## 13	-4.742024e-02	-7.221978e-02	-0.0196734660	6.613311e-02	8.066415e-02
## 14	5.505320e-02	-2.334934e-02	0.0238335408	3.818835e-02	-5.105223e-02
## 15	9.441270e-03	-8.883016e-03	0.0177033919	9.861463e-02	4.388113e-02
## 16	-7.118409e-02	3.526280e-02	-0.0620511243	1.831866e-02	6.937337e-02
## 17	2.943170e-02	2.953634e-02	0.0028333078	-4.274342e-02	-7.857612e-02
## 18	3.021063e-02	2.385262e-02	0.0104485135	2.214907e-02	6.351566e-02
## 19	3.853205e-02	-1.213121e-01	0.0900405561	-3.554907e-02	5.397864e-02
## 20	1.577033e-02	1.053224e-02	-0.0412654210	4.451209e-02	1.346608e-01
## 21	5.532509e-02	2.340528e-02	-0.0166852006	2.734622e-02	6.795672e-02
## 22	-2.555285e-02	5.674733e-02	0.0058466288	1.417074e-02	-2.236039e-02
## 23	1.302379e-03	3.075080e-02	0.0292166382	1.482731e-02	7.639701e-02
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## 158 -2.017861e-02 3.918461e-02 -0.0264352493 -3.047349e-02 6.881744e-02
## 159 -3.632900e-02 -6.180027e-02 -0.0973695618 8.226061e-02 8.897102e-03
## 160 7.092886e-02 3.539002e-02 -0.0361115720 -2.106175e-02 -1.142650e-01
## 161 -9.426192e-03 -2.153933e-03 -0.0232279463 -7.544191e-02 3.642392e-02
## 162 -7.004430e-02 6.605606e-03 0.0525998543 1.164183e-01 3.612423e-02
## 163 -2.045078e-02 2.119071e-02 -0.0289692722 7.602374e-02 2.582387e-02
## 164 -2.861141e-02 -2.458748e-02 0.0086908779 9.268110e-02 6.909318e-02
## 165 -3.979380e-02 2.910547e-02 -0.0709221044 6.200264e-05 -5.605306e-02
## 166 -4.219137e-02 3.690339e-02 0.0547566989 -7.347562e-02 4.518132e-02
## 167 -5.772645e-02 3.648835e-02 0.0142650350 -1.007324e-02 -7.141790e-03
## 168 -1.297823e-01 -3.601391e-02 0.0411311594 4.128557e-02 -8.002045e-02
## 169 -6.087945e-02 -2.498817e-02 0.0416227341 -5.322902e-02 4.158297e-02
## 170 -1.888651e-02 -3.722234e-02 0.0127748387 3.894955e-02 7.917577e-02
## 171 6.161301e-02 6.564475e-02 0.1272653599 -4.734247e-02 -3.586646e-02
## 172 -2.995155e-02 -4.813938e-02 -0.0517092746 -4.903624e-03 6.353907e-02
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## 175 -2.493640e-03 -1.917226e-02 0.0487244301 -7.346240e-02 -3.883207e-02
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## 178 6.147119e-02 -4.105913e-03 -0.0031638248 1.751146e-02 -1.221422e-02
## 179 5.882386e-02 7.154038e-02 0.0565826951 6.161442e-03 -5.632777e-03
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## 181 8.752732e-02 -2.150285e-02 0.0583478470 1.350816e-01 -1.060610e-02
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## 185 6.782456e-02 2.181147e-02 0.0489470098 -5.366682e-03 4.464554e-02
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## 187 9.674707e-04 -4.787427e-02 0.0549524290 9.885691e-04 -4.625684e-02
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## 189 -3.504989e-02 1.265777e-02 -0.0319557397 -5.866451e-02 3.049257e-02
## 190 -2.020608e-02 -5.396660e-02 0.0187374431 -3.009555e-03 -3.296681e-02
## 191 3.608172e-03 2.375195e-02 0.0165403694 1.712121e-02 -2.232237e-02
## 192 -1.627138e-02 -4.024582e-02 -0.0430743357 8.524842e-02 3.878955e-02
## 193 -6.391625e-03 2.771839e-02 -0.0299403416 3.687946e-02 1.447411e-03
## 194 -6.316454e-02 -8.904208e-03 0.0163522963 4.930984e-02 -7.290967e-02
## 195 -4.508455e-03 -1.971803e-02 0.0952488047 2.422115e-02 -6.214773e-04
## 196 -2.494618e-02 2.080651e-02 -0.0370773533 -1.427972e-02 -1.940137e-02
## 197 -1.485497e-02 -7.879544e-03 0.0729811264 6.003942e-02 -8.493894e-05
## 198 -4.975528e-02 5.076604e-02 0.0056095898 -4.960568e-02 2.406399e-02
## 199 -1.176122e-03 1.621875e-02 0.0178288736 -1.088278e-02 4.876484e-02
##          V216          V217          V218          V219          V220
## 1 0.0299141379 0.0579960989 -0.0896815489 -1.305853e-02 1.253923e-02
## 2 -0.0132899937 -0.1232243402 0.0493971272 -4.177480e-02 4.115039e-02
## 3 0.0061847750 -0.0148313225 -0.0109599402 1.488580e-02 5.218931e-02
## 4 0.0349029533 -0.0347899642 -0.0465961804 -8.191459e-02 7.514998e-02
## 5 0.0139377256 -0.0244479380 0.0014182566 7.721294e-03 9.298166e-03
## 6 -0.0805469167 -0.0731339507 -0.0027999301 -4.900360e-02 -3.303559e-02
## 7 -0.0005096141 -0.0850449560 -0.0239102406 1.660263e-02 -1.929271e-02
## 8 0.0235336874 0.1107040407 -0.0101360109 5.088166e-02 -2.509034e-02
## 9 -0.0606152366 0.0327411583 -0.0323202057 -1.041277e-02 1.321018e-02
## 10 0.0192985176 0.0563049585 0.0214178711 1.580043e-02 3.448710e-04
## 11 -0.0095600800 -0.0315352266 0.0193165014 -5.962722e-02 -1.935868e-02
## 12 0.0314099431 -0.0037458071 0.0353378148 4.190808e-02 -8.951234e-03
## 13 -0.0457099180 0.0457374693 0.0299791269 7.327215e-02 -9.213415e-02
## 14 0.0994269559 -0.0051723852 -0.0629534401 -2.555668e-02 -1.169653e-02
## 15 0.0060299812 -0.0979636812 0.0488207398 8.823398e-02 1.145062e-02
## 16 0.0323560420 -0.0978101188 -0.0566191917 -6.057148e-03 -3.368333e-02
## 17 -0.0734914003 0.0280536999 -0.0143687241 -4.231868e-02 -1.130046e-01
## 18 -0.0291559846 -0.0199561597 -0.0089863726 -2.580913e-02 4.935427e-02
## 19 0.0114161406 -0.0465317611 0.0364671110 -1.225784e-02 -1.825378e-02
## 20 -0.0219962193 -0.0624799727 -0.0326608741 2.674590e-02 4.125489e-02
## 21 -0.0331720303 0.0124538889 -0.0553477087 9.678740e-03 3.468335e-02
## 22 -0.0404682909 -0.0116187366 0.0162012019 4.416364e-02 1.417965e-02
## 23 -0.0089384313 0.0273133838 -0.0294325232 1.736725e-02 1.343659e-02
## 24 0.0777203659 -0.0089135518 0.0497354298 -1.053915e-02 2.150122e-02
## 25 0.0214974841 0.0059156093 -0.0329357167 -4.603133e-02 -2.588750e-02
## 26 0.0091997780 -0.0607859236 0.0312647284 -6.203469e-02 -5.307515e-02
## 27 -0.0448920107 0.0465087591 -0.0136008269 3.799310e-02 6.383077e-03
## 28 0.0500951700 0.1101091197 0.0164138528 -5.151374e-02 4.067575e-02
## 29 -0.0356943753 -0.1357513485 -0.0031165962 -4.455582e-02 5.630342e-02
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## 34 0.0012366352 -0.0168525288 0.0213726039 9.872961e-03 -8.401629e-03
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## 39 0.1105319501 0.0044634382 -0.0400747408 5.341977e-02 6.412987e-03
## 40 0.0277468824 0.0329469604 -0.0188699570 3.318211e-02 -6.768036e-03

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## 41 -0.0430483871 -0.0007191505 0.0233275568 -9.633912e-02 -2.985939e-02
## 42 0.0362970875 0.0571659022 -0.0609251344 6.533997e-03 2.475493e-03
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## 44 0.0064042932 0.0009928484 0.0315910599 6.112660e-02 -2.695389e-02
## 45 0.0340618608 -0.0373283111 0.0189179122 -8.174627e-03 5.537817e-02
## 46 0.0281340718 0.0388889989 -0.0326587771 -1.806832e-02 -3.518094e-02
## 47 0.0003681965 0.0064173988 -0.0049080576 1.133842e-02 -5.181708e-02
## 48 0.0588101439 -0.0155148108 -0.0328123916 -5.538110e-02 2.370603e-02
## 49 0.0456938088 0.0193052020 -0.0244115708 -8.090466e-02 -1.317307e-02
## 50 -0.1046178015 0.1112306355 0.0031272863 -1.447833e-02 -4.806753e-02
## 51 -0.0169566958 -0.0226431128 -0.0309091969 -4.305482e-02 -2.571422e-02
## 52 0.0011311734 0.0596495100 0.0371705626 -4.443527e-02 6.374535e-02
## 53 0.0085335498 -0.0364430530 -0.0212242242 1.489916e-03 8.632292e-02
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## 57 0.0718817365 0.0071226375 -0.0584894154 8.662533e-02 -3.518405e-02
## 58 0.0015980969 -0.0278553296 0.0097733238 -3.406907e-02 -3.627003e-02
## 59 -0.0206675468 0.0192422567 0.0178368352 6.555677e-02 2.954038e-02
## 60 -0.0432353075 -0.0245810641 0.0275600651 2.741978e-03 3.674594e-02
## 61 -0.0477430066 -0.0344539774 0.0489038136 -7.056052e-04 -7.913665e-03
## 62 -0.0481670633 0.0953265413 -0.0728196813 -2.231680e-02 5.163440e-02
## 63 -0.0332310994 -0.0120233376 0.0044772847 -1.478666e-02 -7.086510e-03
## 64 -0.0249932798 0.0102250590 0.0409285040 -5.439274e-02 3.249763e-02
## 65 -0.0264376475 -0.0029396014 0.0607131678 -6.460233e-04 3.206673e-02
## 66 0.1037022263 0.0569146315 -0.0121595545 -1.356786e-02 -7.241179e-05
## 67 0.0319428711 0.0748045103 -0.1130931204 5.462355e-02 4.894907e-02
## 68 0.0673402030 0.0245406241 -0.0178314527 -6.578653e-03 -1.882913e-03
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## 74 0.0375285110 0.0777469020 -0.0601410617 4.119422e-02 -6.029103e-02
## 75 0.0369088099 0.0315316277 -0.0830515457 -4.006267e-02 2.259846e-02
## 76 -0.0121801783 -0.0272657156 0.0088152065 -2.206577e-02 -1.078120e-02
## 77 -0.0509867995 0.0792644349 -0.0268086065 -1.728243e-02 2.853862e-02
## 78 0.0239000497 0.0141480502 -0.0498574354 -3.480076e-02 3.659544e-03
## 79 0.0267446265 0.0136107027 0.0092847189 -1.212957e-01 -8.797082e-02
## 80 0.0015323758 -0.0158874271 0.0003386353 1.558521e-02 -1.364707e-03
## 81 0.0036856526 0.1022062382 -0.0059081236 -6.937619e-02 -2.667812e-02
## 82 -0.0480023770 -0.0649232606 -0.0095928446 1.926761e-02 2.305491e-02
## 83 0.0561878180 -0.0145966981 0.0778537906 -4.517368e-05 -2.647446e-02
## 84 0.0228732484 -0.0064722107 0.0068989107 -1.037216e-01 7.102665e-03
## 85 0.0105634592 -0.0075239039 -0.0340452097 7.727023e-03 -3.878291e-02
## 86 -0.0526871513 0.0355123953 0.0345770874 -4.003618e-02 5.379237e-02
## 87 0.0386254149 -0.0081259550 -0.0493339344 8.245049e-03 6.573719e-02
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## 95 0.0355345659 0.0101512365 -0.0361788321 4.105482e-02 2.815781e-02
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## 102 -0.0128180515 0.0186932466 -0.0218618021 1.284990e-01 6.889993e-02
## 103 -0.0448625494 0.0208594437 -0.0085556085 1.537143e-02 4.290394e-02
## 104 -0.0228825993 0.0429940742 0.0114870554 -7.323125e-02 5.814919e-02
## 105 0.0095308878 0.0212174218 -0.0071267709 4.555582e-02 -6.656297e-02
## 106 -0.0787847888 0.0785174959 -0.0595222845 -4.937607e-02 4.284648e-02
## 107 0.0015303413 -0.0158615579 0.0267312032 -3.789195e-02 2.582842e-02
## 108 0.0519707329 0.0096421626 -0.0308472438 -2.996959e-03 3.529246e-02
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## 114 0.0130663752 0.0402971272 0.0260436144 3.366488e-02 -8.115614e-02
## 115 0.0268752691 -0.0588105800 0.0008084297 -2.975938e-03 7.076892e-02
## 116 -0.0131143599 0.0283203312 0.0904420532 -2.743764e-02 -4.218881e-02
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## 118 -0.0191085881 -0.0815813633 -0.0748081993 8.746918e-03 1.668813e-02
## 119 -0.0402446419 0.0689309532 0.0302411773 4.664398e-02 -2.678952e-02
## 120 -0.0514676751 -0.0464993587 0.0226648945 -5.983189e-02 -3.211497e-03
## 121 -0.0834217826 0.0137617879 -0.0007509098 -2.823744e-02 -5.712918e-04
## 122 0.0028554662 0.0559982154 -0.0200870830 4.647036e-02 -7.568501e-03
## 123 0.0822887987 -0.0160390807 0.0161863818 3.258096e-03 -5.080399e-02
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## 129 0.0523767691 0.0394683362 -0.0066929304 -3.393487e-02 -2.345429e-02
## 130 -0.0563471661 -0.0043426077 -0.0035908367 -1.294022e-02 1.110751e-01
## 131 0.0956462309 -0.0170553171 -0.0103780191 2.474497e-02 -8.520344e-03
## 132 -0.0138103285 -0.0477655224 -0.0143355531 2.041802e-02 9.821258e-02
## 133 -0.0110463939 0.0485826878 -0.0164415193 -4.773696e-02 -1.712534e-02
## 134 0.1008659426 0.0085024653 0.0296677107 -2.504672e-02 2.504686e-02
## 135 -0.0236958033 0.0499557664 -0.0655963041 2.634884e-02 2.843288e-02
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## 137 -0.0377808504 0.0688243091 0.0144613403 -1.111366e-02 -9.995828e-02
## 138 -0.0315920425 -0.0941837311 -0.0308433057 -2.426826e-02 9.663897e-03
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## 149 0.0248219060 -0.0532874396 -0.0214466649 3.138280e-02 2.702632e-02
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## 199 -0.0369630205 0.0193013680 0.0281063089 3.484848e-02 -2.877441e-02
##      V221      V222      V223      V224      V225
## 1 1.515305e-02 -0.0048398739 0.0017386707 0.023889857 -0.0111335625
## 2 -1.654708e-02 0.0037581042 -0.0084592137 0.124626543 -0.0446931247

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## 5	-1.038216e-02	0.0078602812	-0.0829479332	-0.025744646	0.0352444261
## 6	-1.003893e-01	0.0112985321	-0.0336015281	0.031893102	-0.0104768956
## 7	-6.385468e-02	-0.0659082547	0.0108696325	0.035447683	0.0187181517
## 8	4.721698e-02	0.0969461327	-0.0466098570	0.022026754	0.0118168791
## 9	1.098803e-01	-0.0613218934	0.0220740965	0.082293756	0.0170317448
## 10	-6.069954e-02	0.0017574058	0.0162920771	-0.020218773	0.0091867229
## 11	2.924278e-03	0.0031676483	-0.0799589274	0.021083536	0.0515642659
## 12	2.041954e-02	0.0135561510	-0.0190182754	-0.039532109	0.0272414359
## 13	1.033602e-02	-0.0996432675	-0.0285212894	-0.036685029	-0.0599254382
## 14	-8.651392e-02	0.0938196044	-0.0090782628	-0.007478167	-0.0103049379
## 15	-3.051528e-02	-0.0107444203	-0.0190229938	0.043903346	0.0635173958
## 16	-3.250789e-02	-0.0147687778	-0.0421865639	-0.040510875	0.0392263224
## 17	6.151664e-03	0.0358347200	-0.0550852316	-0.039546705	-0.0055270111
## 18	-2.527714e-03	0.0917396949	-0.0802053446	-0.025439003	0.0888298375
## 19	-4.807487e-02	-0.0271242333	0.0663475555	0.046359618	0.0257228492
## 20	-6.010947e-02	0.0537566199	0.0549264967	0.047584359	0.0224969787
## 21	4.695618e-02	0.0446786934	-0.0097689996	0.022762259	0.0239587222
## 22	-8.553337e-03	0.0902770508	-0.0325793850	0.011393161	0.0385502989
## 23	3.436525e-02	0.0127120514	-0.0299593232	0.028949001	-0.0067612373
## 24	1.217406e-02	0.0117935992	0.0700988343	0.029381680	-0.0376045100
## 25	1.376921e-02	0.0236452672	-0.0400224309	0.007582219	0.0232493563
## 26	-1.991894e-02	-0.0202069402	-0.0208836974	0.029712680	-0.0128143601
## 27	9.798233e-02	-0.0515834627	-0.0615877595	-0.067660592	0.0289403089
## 28	1.310676e-02	-0.0043766008	0.0469928286	0.012479022	0.0173565151
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## 31	-2.184322e-02	0.0100750148	0.0918702010	0.014327886	0.0956284772
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## 36	7.905053e-03	0.0334668421	0.0154344044	0.093785532	0.0171354386
## 37	8.203943e-03	-0.0270366522	-0.0208813917	-0.030202386	0.0605074216
## 38	-6.226573e-03	0.0045594127	-0.0421697047	-0.024738319	0.0743615946
## 39	-4.128450e-03	0.0279415935	0.0655604812	-0.022814112	-0.0006422346
## 40	2.084196e-02	-0.0493713375	-0.0667879562	0.051028438	0.0214521562
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## 43	-5.258852e-02	-0.0129445961	0.0251907536	-0.043127224	-0.0368295234
## 44	-5.019766e-02	0.0029781234	-0.0184708325	0.036697668	-0.0597900918
## 45	-6.406371e-02	0.0411639246	-0.0023589101	-0.044585044	-0.0587952734
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## 47	7.818073e-03	0.0037324180	0.0180740455	0.020800733	0.0028401001
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## 156 4.333588e-02 -0.0137353817 0.0115153850 0.023914848 -0.0104221416
## 157 -3.903011e-02 -0.0083394120 -0.1357614754 -0.043706964 0.0106316455
## 158 -2.340752e-02 -0.0179741186 0.0044734605 0.044917261 -0.0375392314
## 159 -4.610353e-02 0.0101289635 0.0185916679 0.016388921 -0.0545510809
## 160 1.844743e-02 -0.0287695541 -0.0519909308 -0.036220481 -0.0397755296
## 161 2.067680e-03 0.0514678903 0.0044428394 0.015573891 0.0629542670
## 162 -2.308021e-02 0.0615065525 0.0620677413 0.129796077 -0.0607457597
## 163 2.504702e-02 0.0484269606 0.1039725844 0.005109195 0.0011651338
## 164 -2.754994e-02 0.0975110206 0.0337326795 0.054392984 0.0152004723

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## 165	-4.740953e-02	-0.0230374961	0.0402064503	0.008715856	-0.0056629423
## 166	7.272393e-02	0.0349764818	-0.0347361878	0.036818397	0.0111771202
## 167	-3.362451e-02	0.0191761386	-0.0056313618	0.020332970	0.0023316136
## 168	-4.143057e-02	0.0161360446	0.0064056212	0.048316513	-0.0506835260
## 169	5.970369e-02	0.1052460510	-0.0207337277	0.071904673	0.0150642387
## 170	2.117801e-02	-0.0661396826	0.0223763190	0.035601777	0.0318924176
## 171	5.865386e-03	0.0074011936	-0.0233923445	0.054520448	0.0342483665
## 172	-3.212491e-02	0.0677254407	-0.0328415081	-0.057318771	-0.0278632911
## 173	-3.336158e-03	-0.0225792348	0.0399710475	-0.025594494	-0.0260225186
## 174	-4.115157e-03	0.0538817726	0.0326674783	-0.031018058	-0.0036793329
## 175	7.649657e-02	-0.0340866855	-0.0470901656	0.022321853	0.0033377386
## 176	1.519729e-05	0.0269805672	-0.0344288990	0.014555071	-0.0535443228
## 177	8.409087e-03	-0.0108935406	0.0463347663	-0.035565900	-0.1077960503
## 178	2.168887e-02	-0.0165105376	0.1117724912	-0.033803271	-0.0316514023
## 179	1.173584e-03	0.0211376478	0.0236090799	0.022878128	-0.0302218211
## 180	-5.357557e-02	-0.0114639295	-0.0253090568	0.004915380	-0.0229450584
## 181	2.140081e-02	0.0572559954	0.0453618136	-0.015473948	-0.0042137917
## 182	-3.111172e-02	0.0051740597	-0.0084858333	-0.021278241	-0.0102034801
## 183	-5.790032e-02	0.0104172265	0.0118363546	0.024934602	0.0171503904
## 184	6.783925e-02	0.0284203228	-0.0118185803	-0.003779743	0.0166378249
## 185	-5.628028e-02	-0.0004508820	-0.0161278482	0.019829711	-0.0586050121
## 186	-4.003300e-02	-0.0129411968	-0.0235584200	-0.021597718	0.0042204058
## 187	-5.100672e-02	-0.0262852943	-0.0334923503	-0.018993403	0.0441775953
## 188	-4.106512e-02	-0.0395999135	0.0002399466	0.036563431	-0.0204199238
## 189	4.227698e-02	-0.0028983399	-0.0263919266	0.021673784	0.0508694206
## 190	1.051650e-02	0.0155228153	-0.0288651869	0.089877081	0.0762039043
## 191	-8.509097e-02	0.0018698578	0.0034959108	-0.010031402	-0.0079075272
## 192	2.178348e-02	0.0546638282	0.0067766875	-0.032713753	0.0332497803
## 193	-6.568465e-02	0.0141388478	-0.0561222304	-0.037591070	0.0024750796
## 194	-4.046638e-02	-0.0124439355	-0.0367203812	-0.060017267	-0.0144434551
## 195	-2.269928e-02	0.0397083828	-0.0226831833	0.010189294	0.0142940470
## 196	3.378594e-02	0.0128717953	-0.0368996237	-0.042969551	-0.0359802136
## 197	-2.741280e-02	0.0524925894	-0.0473989586	-0.017562317	0.0388908513
## 198	-9.980938e-03	-0.0140106132	0.0299751417	-0.019351994	-0.0459762236
## 199	-4.175645e-03	-0.0212516122	0.0401835428	-0.050014332	-0.0353011166
##	V226	V227	V228	V229	V230
## 1	0.0278259705	0.0084680489	0.0379652357	0.0332301800	0.0616193231
## 2	0.1016633513	-0.0806338618	-0.0483590902	-0.0778895950	0.0886609192
## 3	-0.0632730670	0.0136994182	0.0329050627	0.0800761884	0.0331671671
## 4	0.0161092096	-0.0049817175	-0.0155769763	-0.0410082164	0.0077722469
## 5	0.0766352682	-0.0599184277	-0.0043923480	0.0169659060	0.0314365754
## 6	-0.0260469396	0.0111605229	-0.0342653508	-0.0268447404	-0.0219708544
## 7	0.0498804984	-0.0198407503	-0.0152012029	-0.0438276347	-0.0671991066
## 8	0.0128321917	-0.0614662983	-0.0322246532	0.0142654279	-0.0183076779
## 9	-0.0145463829	-0.0679766243	0.1025971711	-0.0262373956	0.0477791428
## 10	0.0240545682	0.0902271115	0.0171940527	0.0443767618	-0.0239114419
## 11	-0.0603191461	-0.0192447861	0.0777336389	0.0191553009	0.0587291394
## 12	-0.0358440504	-0.0383831471	0.0304416036	0.0152506820	0.0415314202
## 13	-0.0142474107	-0.0933037133	-0.0982596315	-0.0045703589	-0.0030484004
## 14	-0.0006670813	0.0093365629	-0.0435126596	0.0522315519	0.0061926173
## 15	0.0556588278	-0.0074838946	-0.0028223070	-0.0615615701	0.0063481980
## 16	-0.0627316881	-0.0576175154	0.0780314572	-0.0007768641	-0.0393322483
## 17	-0.0724228176	0.0740691156	-0.0235047077	0.0470514260	0.0353486697
## 18	0.0569823876	-0.0340717077	0.0003179166	-0.0485905199	0.0646770037

## 19	-0.0114615017	0.0583823895	0.0144056933	0.0267686222	-0.0642865792
## 20	-0.0753427931	-0.0007665382	-0.0199636271	0.0985773167	0.0771605860
## 21	0.0049812186	0.0948650969	0.0367151603	-0.0036159370	0.0323573949
## 22	-0.1232662648	0.0302045567	-0.0165926103	-0.0075750817	0.0039621215
## 23	0.0483085609	0.0354945192	0.0101545950	0.0284490801	0.0059828406
## 24	0.0410143297	0.0534483027	0.0474250310	-0.0689493691	-0.0086481227
## 25	-0.0184635727	-0.0115555395	0.0135238094	0.0119707600	0.0229699186
## 26	-0.0026548062	-0.0646207735	-0.0134880056	0.0131823194	-0.0368349020
## 27	-0.0181051438	-0.0032355634	0.0547269813	0.0077970534	0.0974258302
## 28	-0.0545459163	-0.0172315893	0.0809461207	0.0454914640	0.0853284897
## 29	-0.0054029306	0.0292490793	0.0452214066	0.0667307466	-0.0043554582
## 30	0.0277364453	0.0262167435	-0.0227151781	-0.1427642254	0.0026293062
## 31	-0.0397930760	-0.0131979763	0.0029324801	-0.0050242333	-0.0303111823
## 32	0.0159199239	0.0330495835	0.0092092735	-0.0698405433	0.0124938424
## 33	-0.0367447509	-0.0320774247	0.0154209578	0.0222345937	-0.0181985907
## 34	0.0190225258	-0.0021547589	0.0199644596	-0.0568076022	-0.0333944005
## 35	-0.0416807238	0.0670442388	0.0439719690	0.0186958739	0.0429514867
## 36	0.0235456367	-0.0524924012	-0.0800572904	-0.0534972103	-0.0404483467
## 37	-0.0011731817	0.0514070786	-0.0507979619	-0.0249736532	-0.0095117478
## 38	0.0223334265	0.0167085621	0.0227980622	-0.0233852797	0.0206075167
## 39	0.0229981251	-0.0108738208	-0.0925243853	0.0594227650	0.0153584600
## 40	-0.0401206067	0.0125068960	0.0144252238	0.0397230473	0.0889949459
## 41	-0.0409317117	-0.0305394461	0.0179247852	0.0255751640	0.0362027027
## 42	0.0239725329	-0.0263856299	-0.0589492466	0.0137813204	0.0601711909
## 43	-0.0108396897	-0.0136704119	-0.0038455388	-0.0239314786	-0.0195654525
## 44	-0.0258598970	0.0081359931	0.0106585052	0.0223491012	0.0330979741
## 45	-0.0079670757	-0.1061076154	-0.0203053988	-0.0467997992	0.0228349453
## 46	0.0167975717	-0.0094547860	0.0046194233	0.0361554552	-0.0574003786
## 47	-0.0029298122	-0.0540322596	0.0951722589	-0.0154773147	0.0425757672
## 48	0.0170485792	0.0724339165	0.0090388178	0.0243214105	0.0253989715
## 49	0.0180657759	0.0659650936	0.0007025527	-0.0379335336	-0.0282088747
## 50	-0.0998192187	-0.0253044775	0.0114502465	-0.0171051070	0.0609438482
## 51	-0.0228448102	0.0574963584	0.0220950256	-0.0308508629	-0.0047107936
## 52	0.0415975084	-0.0379349597	-0.0306858392	0.0240951204	-0.0267417064
## 53	-0.0016794604	0.0036211068	-0.0260837998	0.0232353074	-0.0261304552
## 54	0.0870310348	-0.0073923393	-0.0262424113	-0.0359615915	-0.0333286171
## 55	0.0290140795	0.0396664093	-0.0029874441	-0.0303720649	0.0129768114
## 56	-0.0043172679	-0.0408202986	0.0241518454	0.0333961662	0.1213684540
## 57	0.0019267691	-0.0131843390	-0.0314673907	0.0148542394	-0.0605727926
## 58	-0.0349069753	-0.0432782142	0.0233548591	-0.0258527285	-0.0793714220
## 59	-0.0174614636	0.0174515047	0.0269894982	-0.0540803888	-0.0181254301
## 60	-0.0193283382	0.0245452832	0.0277083080	0.0475936962	0.0358970073
## 61	0.1105629909	0.0761795775	-0.0223494527	-0.0341914577	0.0320756256
## 62	-0.0140671110	-0.0088808914	0.0723495936	0.1105572782	0.0625240675
## 63	-0.0500160622	-0.0481615995	0.0073825511	0.0244765517	0.0063888367
## 64	0.0095185842	0.0540648818	0.0269730087	0.0234629292	0.0439060540
## 65	0.0092655760	0.0066914083	0.0581800801	0.0687385647	-0.0729522201
## 66	-0.0317356496	0.0355589228	-0.0396461760	0.0178311372	-0.0561289239
## 67	-0.0811139312	-0.0509437207	0.0848290529	-0.0078153436	0.0816818005
## 68	-0.0164266372	0.0308628684	0.0075346494	0.0039863786	0.0326088719
## 69	0.0083427990	-0.0898473769	0.0474234853	-0.0449962608	0.0350883512
## 70	-0.0393483083	-0.0083532796	0.0849729192	-0.0166928713	-0.0384121392
## 71	0.0171657807	-0.0142989849	-0.0482755198	-0.0587502029	0.0272815563
## 72	-0.0605119508	0.0225045943	-0.0208927083	-0.0059779550	0.0058071381

## 73	-0.0182323232	0.0221596506	-0.0130030758	0.0557253664	0.0020080846
## 74	0.0005345727	0.0483372507	0.0272988635	-0.0488831263	0.0187009060
## 75	0.0937580750	0.0617352253	0.0109163845	-0.0647409929	-0.0090107854
## 76	0.1205290587	-0.0746971699	-0.0262436860	-0.0420536344	0.0048220109
## 77	-0.0706863337	0.0365517115	0.0239090687	-0.0679848468	-0.1043240738
## 78	0.0513671397	-0.0677796653	-0.0655245019	-0.0414304879	-0.0061117091
## 79	0.0268251428	-0.0535449340	0.0640080768	-0.0073081676	0.0521738230
## 80	0.0143271926	0.0291912606	0.0430980319	0.0689301890	-0.0441243346
## 81	0.0382050714	-0.0181304288	-0.0927559033	0.0464493315	0.0931792594
## 82	-0.0194756885	-0.0467436073	-0.0330967898	-0.0389790537	0.0426170966
## 83	-0.0184602417	-0.0002787606	-0.0757821047	0.0245786672	-0.0761333653
## 84	-0.0755051492	0.0063123707	-0.0478744428	0.0622045258	-0.0020664191
## 85	0.0227650277	-0.0123066914	-0.0293399079	0.0041770276	-0.0094317134
## 86	0.0405755784	0.0650428105	-0.0031341768	-0.0315170990	0.0513173571
## 87	-0.0196251760	0.0242029756	-0.0736766794	0.0887888017	0.0537139430
## 88	0.0314947113	0.0504566060	0.0134133335	-0.0126305637	0.0893208863
## 89	-0.0681103842	0.0058141016	-0.0044732599	-0.0658266831	0.0589106793
## 90	0.0217601980	0.0146358047	0.0105968205	0.0315133069	-0.0411027897
## 91	-0.0261481459	0.0520220980	0.0564323871	-0.0082314365	0.0994904415
## 92	0.0340647383	-0.0453623182	-0.0208610722	0.0599729366	-0.0322729094
## 93	0.0203088912	0.0662041129	0.0220496169	-0.0824241635	0.0262661327
## 94	-0.0234148740	0.0264744206	-0.0380028883	-0.0339284294	0.0607615003
## 95	-0.0818289105	0.0352150117	0.0260720791	0.0136291729	0.0493809165
## 96	0.1152416216	-0.0630448873	-0.0609475868	-0.0481256158	-0.0513224963
## 97	0.0170182397	-0.0329786065	0.0591992090	-0.0279689222	-0.0383116853
## 98	0.0122650220	-0.0738531068	-0.0607452737	0.0227250030	-0.0058835273
## 99	-0.0536838386	0.1266304065	-0.0054595621	0.0430231856	0.0158032458
## 100	-0.0374095972	0.0044964012	-0.0301257207	0.0430018175	-0.0003361742
## 101	0.0117775005	0.0010682886	-0.0434847037	-0.0131450669	0.0086146096
## 102	-0.0425722772	0.0374496399	-0.0784664479	0.0658830239	0.0234338583
## 103	-0.0197259257	-0.0526338848	0.0755138066	0.0169035813	0.0073078585
## 104	0.0062961094	0.0122469510	0.0093598819	-0.0061033368	0.0255195313
## 105	-0.0140302574	-0.0265169279	0.0281532175	0.0131096477	-0.0007887861
## 106	0.0152400994	-0.0542273727	-0.0032881605	-0.0472177888	0.0458210364
## 107	0.0072836852	0.0416384458	0.0458132086	-0.0065500576	-0.0728807723
## 108	0.0556074871	-0.0392859948	-0.0520867401	0.0074396580	-0.0227079642
## 109	0.0423285277	0.0257963696	0.0551298169	-0.0305284211	0.0133829752
## 110	0.0705198482	0.0600821967	-0.0075022799	-0.0014798044	-0.1295217055
## 111	0.0258661833	-0.0186136847	0.0098757844	-0.0388446159	0.0720166902
## 112	0.0426970812	0.1037608794	0.0120158431	0.0125122319	0.0384699080
## 113	-0.0062157109	-0.0196188719	0.0142208371	0.0037265991	0.0947957257
## 114	-0.0374465145	0.0452517037	-0.0347396104	-0.0495709093	0.0106024473
## 115	-0.0738309367	0.0178386333	0.0302479282	0.0077433772	-0.0449054040
## 116	-0.0060986392	-0.0805824650	0.0113931638	-0.0337345306	0.0438312246
## 117	-0.0055790041	-0.0030748232	0.1215784043	-0.0297625929	-0.0075099278
## 118	0.0165277072	0.0050051060	-0.0090875216	-0.0309709523	0.0499623661
## 119	-0.0447388129	-0.0035087124	-0.0928220205	0.0256435033	-0.0036516128
## 120	-0.0488245772	-0.1441796918	0.0338407145	0.1235446616	0.1050876205
## 121	-0.0185538260	0.0360391645	0.0050616667	0.0093052939	0.0260929526
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## 127 0.0098903766 -0.0065220523 -0.0297797348 0.0043234098 -0.0034253898
## 128 -0.0306708832 -0.0252855084 -0.0086346940 0.0597340577 -0.0730840872
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## 154 -0.0343963544 -0.0324415593 -0.0800662536 -0.0424462530 -0.0371425119
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## 198 0.0428861236 -0.0445513625 0.0184147989 0.0316019575 0.0569486869
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##          V231          V232          V233          V234          V235
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## 2  1.777613e-02 6.947205e-02 -3.061732e-02 -3.592821e-03 -9.539198e-03
## 3 -4.609737e-02 -1.288586e-02 2.078424e-02 -3.056459e-02 -7.773222e-03
## 4  3.421841e-02 -4.543285e-02 1.216338e-02 -5.913847e-03 -5.886488e-02
## 5 -4.076017e-02 6.621451e-02 -4.503518e-02 1.134016e-01 8.346336e-03
## 6  5.228732e-02 2.394767e-02 1.181629e-02 1.428392e-02 -5.055138e-02
## 7 -2.105938e-02 -2.573109e-02 7.507209e-03 8.690397e-05 -5.644002e-03
## 8 -2.589024e-02 2.759928e-02 2.781043e-02 -3.680390e-02 -4.952593e-02
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## 18 -3.818205e-02 9.896987e-02 1.988704e-02 -4.845050e-02 -1.558326e-02
## 19  2.615936e-04 4.246027e-02 1.026753e-01 -3.087672e-02 6.744142e-02
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## 55 -4.354706e-02 3.988563e-02 1.060777e-02 -8.951747e-02 6.356174e-02
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## 101 -1.427068e-02 6.204705e-02 1.700753e-02 -1.103510e-04 1.673233e-02
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## 142 -3.248503e-02 8.252273e-02 6.866394e-02 2.181735e-02 -4.171795e-02

```

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## 143 -2.445808e-02  6.109536e-02  2.633680e-02 -9.202558e-04 -4.017508e-02
## 144 -9.921406e-03 -6.642454e-02 -1.704533e-02  4.261351e-02 -9.088622e-03
## 145 -2.381108e-02 -1.548054e-02 -2.077155e-02 -3.904938e-03 -1.626704e-02
## 146  3.062897e-02 -7.050692e-02 -2.204006e-02  7.587846e-02 -1.361297e-02
## 147 -6.621190e-02 -4.322631e-02 -2.512171e-02 -8.627596e-02 -2.727884e-02
## 148  1.224477e-01 -7.892926e-02  6.694303e-02 -1.038362e-01 -1.022348e-01
## 149  2.882984e-02  2.493090e-02 -1.880557e-05 -1.541270e-02 -4.391727e-02
## 150 -6.976858e-03 -4.379778e-03 -1.249276e-02 -3.727107e-03 -3.117085e-02
## 151  7.309151e-02 -4.630347e-02  5.887404e-02  1.818662e-02 -1.051778e-02
## 152 -3.496528e-02  4.822164e-02 -3.341192e-02  2.212807e-02 -5.749216e-02
## 153  4.012457e-05  6.681547e-02  5.360558e-03 -9.608699e-02 -1.348184e-03
## 154 -2.601495e-02 -5.375840e-02  3.376083e-02  2.551653e-02  2.814130e-02
## 155 -5.707639e-02  5.480829e-02 -9.764647e-03 -4.449465e-02  8.172791e-02
## 156  1.278587e-03 -4.220396e-02  1.794194e-02 -2.316302e-02 -3.775163e-02
## 157  2.995257e-02  8.079120e-03 -1.614458e-02  2.762482e-02 -7.953390e-02
## 158  9.064903e-03  1.070880e-02  4.986119e-02 -5.182707e-02  3.667052e-03
## 159 -1.325097e-02  2.335679e-05 -1.396793e-02 -2.821757e-02 -6.812091e-02
## 160 -8.967410e-03 -6.364070e-02 -4.073502e-02  1.058070e-02  1.457001e-02
## 161 -1.708301e-02 -1.177302e-02  7.554614e-02  4.759263e-02 -8.102276e-03
## 162 -4.090508e-02 -1.833376e-02  2.919655e-02 -9.005177e-02  4.707495e-02
## 163 -6.007492e-02  2.493632e-02 -2.494670e-02 -3.100280e-02  3.918178e-02
## 164  4.140935e-02  2.061134e-02 -2.950108e-02  4.496666e-02  5.381730e-02
## 165 -1.038421e-02  1.084998e-02  1.481346e-03 -1.722180e-03 -8.957418e-04
## 166  9.037010e-02 -3.848483e-02 -1.886189e-02  3.357842e-02  3.123385e-02
## 167 -4.727631e-03  3.386360e-02  3.991721e-02  3.009418e-02  7.951321e-02
## 168 -4.951346e-02 -2.520441e-02  3.932270e-02 -7.370008e-03 -1.005434e-03
## 169  3.468895e-02  5.926337e-03 -1.181390e-02  5.828594e-02 -2.342788e-02
## 170 -5.502649e-02 -2.385282e-02 -2.781122e-02  2.950724e-02  1.153369e-01
## 171  6.005388e-03 -1.087697e-02 -4.177513e-02  8.331527e-02 -4.608671e-02
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## 176  1.442216e-02 -5.931027e-02  3.607904e-02 -6.963657e-02 -9.206711e-03
## 177  2.156927e-02  8.324976e-03  2.541017e-02  6.520103e-03 -4.372013e-02
## 178 -1.823532e-02  1.048243e-01 -7.004858e-02  6.667907e-02 -7.171594e-02
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## 184  2.086484e-03 -1.141084e-01  1.990583e-02 -2.354906e-02  7.332673e-02
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## 187 -5.529986e-02  3.853229e-02 -5.917949e-02 -3.056719e-02  9.531427e-03
## 188  1.481253e-01 -2.273246e-03 -4.183837e-02 -4.022689e-02  3.360302e-02
## 189 -3.030665e-02  1.382446e-01  1.202268e-02 -6.423188e-02 -1.092642e-01
## 190  9.675219e-03  1.751378e-02  3.425021e-02  3.468710e-02 -1.735043e-03
## 191  1.246170e-02  2.533579e-02  6.096259e-02 -1.511296e-02  1.485384e-02
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## 193 -4.695135e-02 -3.549786e-02 -1.142622e-02 -1.559938e-02  9.776152e-03
## 194  9.565241e-03  3.930485e-02  2.671170e-02  1.175217e-01  1.740481e-02
## 195  4.290177e-02  4.340127e-02  1.260767e-02 -2.420949e-02  3.685990e-02
## 196  6.273069e-02  2.724162e-03  5.599927e-02  1.269269e-02 -3.653061e-02

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## 197	2.004123e-03	4.616574e-02	-5.807607e-02	-3.387562e-02	-3.774701e-03
## 198	-3.719820e-02	3.092274e-02	-5.413671e-02	-3.758802e-02	9.896804e-03
## 199	4.515765e-02	-9.610867e-02	-4.322524e-02	3.004842e-02	5.147886e-02
##	V236	V237	V238	V239	V240
## 1	0.0821667160	-0.020640720	-3.834288e-02	4.082657e-02	0.0297784016
## 2	0.0332847456	-0.050193276	-1.968591e-02	1.425813e-02	0.0120007798
## 3	0.0257780313	0.003685393	2.620482e-02	-5.588038e-02	0.0409504068
## 4	0.0423167607	-0.019616443	1.746891e-02	4.384056e-04	0.0006054957
## 5	-0.0329635914	-0.019365223	7.353885e-03	-2.962497e-02	-0.0089339498
## 6	0.0224944530	0.010508619	4.800880e-02	-3.256329e-03	-0.1042708834
## 7	0.0352457057	0.029567372	-2.288641e-02	-4.962974e-03	0.0092446064
## 8	-0.0461584307	0.040945090	-8.516928e-03	-1.853936e-02	0.0442044747
## 9	0.0095743903	-0.070884420	-3.136440e-02	1.296010e-01	-0.0361535165
## 10	0.0298152397	0.003014329	-5.136692e-02	6.294759e-04	-0.0356102772
## 11	-0.0043771850	0.031021054	1.543505e-02	3.587597e-02	0.0643184832
## 12	-0.0870095030	-0.023495377	3.786352e-02	4.301675e-02	0.0058834489
## 13	0.0208259789	0.060216317	2.256930e-02	4.085644e-02	0.0403865837
## 14	-0.0139256160	0.001552151	5.986175e-04	3.346061e-02	-0.0279820874
## 15	-0.0355488696	0.004100103	-2.078417e-02	-1.376816e-02	-0.0817092988
## 16	-0.0015646309	-0.036790485	9.254638e-02	3.630806e-02	-0.0328394192
## 17	-0.0717606067	0.076828844	-2.304832e-02	2.860295e-04	0.0883391860
## 18	0.0591340481	0.015272186	-3.688140e-02	-2.522744e-02	-0.0201671438
## 19	-0.0427601589	-0.023729194	-1.851477e-03	4.070907e-02	-0.0060634920
## 20	0.0162519919	-0.004877667	6.011334e-03	3.234993e-02	0.0010719066
## 21	-0.0267461426	-0.017812948	5.643280e-03	-2.472576e-02	0.0020921759
## 22	0.0434952576	-0.014133837	2.090877e-02	-4.999470e-02	-0.0150989160
## 23	-0.1031548006	0.051305595	-2.618671e-02	-3.974406e-03	-0.0161408106
## 24	-0.0334116096	-0.020543998	-4.888233e-03	2.777123e-02	-0.0124387896
## 25	-0.0717711164	0.036475622	-3.601897e-02	-2.183645e-02	0.0120845970
## 26	-0.0179097898	0.010702992	-1.274616e-02	2.494879e-02	0.0349825265
## 27	-0.0272014532	-0.030061162	9.766715e-03	-6.088222e-02	0.0080428444
## 28	-0.0174545048	0.021547232	-2.430877e-02	1.750968e-02	0.0581641373
## 29	0.0191088957	0.004069486	-1.929371e-02	5.895471e-02	0.0879334926
## 30	-0.0645703624	-0.019087530	2.624817e-02	-2.271986e-02	0.0565664096
## 31	0.0644264374	-0.015012688	-3.392455e-02	1.420457e-02	0.0422790243
## 32	-0.0494523775	0.004395597	7.375298e-03	-1.202998e-01	-0.0819768665
## 33	0.0509823046	-0.047096157	4.760588e-03	7.765983e-03	0.0085872415
## 34	0.0072054566	0.055746638	-2.325438e-04	3.439554e-02	-0.0451563634
## 35	-0.0134323749	0.025795343	-4.384690e-02	-1.753596e-03	-0.0191416998
## 36	-0.0248804746	-0.059051610	-3.634060e-02	-1.199322e-02	-0.0232633865
## 37	-0.0089091654	-0.068292841	-2.529005e-02	-5.759873e-02	-0.0477458607
## 38	0.0055825946	-0.075610043	2.530462e-02	-2.317232e-02	-0.0889229811
## 39	0.0592775583	-0.030514164	6.546474e-02	3.245278e-02	-0.0219087408
## 40	-0.0039579413	-0.086209126	3.335246e-02	1.525376e-02	0.0360745868
## 41	-0.0116082643	-0.037884474	7.048349e-02	-4.260321e-03	-0.0016340889
## 42	-0.0819080441	0.038027890	8.226513e-03	-2.330541e-02	-0.0466285864
## 43	0.0379236810	0.021505236	-4.844445e-02	4.763761e-02	0.0155696981
## 44	0.0398239039	-0.029521521	2.048412e-02	-7.333171e-03	-0.0492403475
## 45	0.0002393640	-0.008840139	-1.771788e-02	-2.542539e-02	-0.1123732809
## 46	0.0212206664	0.061072147	-2.387921e-02	-6.265479e-02	-0.1087940396
## 47	0.0297462590	-0.028548998	1.783929e-02	1.861697e-02	0.0318903133
## 48	-0.0296435066	-0.012880713	2.762028e-02	-5.501667e-03	0.0157844856
## 49	-0.0072145241	-0.006317349	5.245634e-03	2.416819e-02	-0.0297975016
## 50	0.0319093685	0.017374634	-6.718372e-02	2.775901e-03	-0.0488632413

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## 51 -0.0363628470 0.026828133 9.854890e-03 -7.109190e-02 -0.0725764468
## 52 0.0001829826 -0.014399698 1.932003e-03 3.464452e-02 -0.0194834363
## 53 -0.0024323570 -0.018282830 -7.435318e-02 -1.596356e-02 0.0130292620
## 54 -0.0461654791 -0.013973365 2.211495e-02 1.207829e-02 -0.0118152199
## 55 -0.0148857789 -0.017359750 -1.601779e-02 4.734320e-03 0.0013316797
## 56 -0.0020153099 0.019282315 -1.485877e-02 1.289171e-02 0.0017116206
## 57 0.0142713435 0.002877099 -2.030585e-02 -1.344668e-02 -0.0995848345
## 58 0.0797526787 0.019230282 1.033219e-02 6.112616e-02 0.0116541076
## 59 0.0143787268 0.013353288 3.261206e-02 -1.541133e-02 -0.0228405334
## 60 0.0472675405 0.024400155 5.316773e-02 -4.265509e-02 0.0944943904
## 61 -0.0214791818 0.054369430 7.463225e-02 -4.754696e-02 0.0721916107
## 62 -0.0436871263 0.004366327 -5.523134e-03 -4.399976e-04 0.0006554741
## 63 -0.0931688569 0.036924344 -6.709638e-03 3.461050e-02 -0.0046287554
## 64 -0.0240985804 0.003795830 -6.812240e-02 -1.414624e-02 -0.0273093133
## 65 0.0145692789 0.043781339 5.466841e-02 3.340939e-02 0.0264560260
## 66 -0.0378558057 -0.033462985 4.628505e-02 -5.154956e-02 0.0438634380
## 67 0.0968471548 0.036567542 -3.776655e-02 4.585834e-02 -0.0467959137
## 68 0.0128515807 -0.011776183 -1.845855e-02 -9.701783e-04 -0.0021689528
## 69 0.0021286803 0.069303485 5.836032e-02 3.855066e-02 -0.0310424235
## 70 0.0422418799 -0.017653021 -7.478620e-02 1.474340e-02 -0.0045957816
## 71 -0.0289699325 -0.089134292 1.698773e-02 1.875724e-02 0.0512670670
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## 73 0.0194028736 -0.069622374 -1.804719e-02 4.320220e-02 -0.0309052175
## 74 0.0110306650 -0.014116480 4.057777e-02 9.750948e-02 0.1355979505
## 75 0.0041824387 0.016279251 1.792593e-03 -1.070026e-03 0.0366817026
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## 79 -0.0312741150 -0.069326327 -2.732173e-02 -3.566687e-02 0.0507768573
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## 93 -0.0261298329 0.020946068 -8.426973e-03 -2.884817e-02 0.0300487185
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## 96 0.0098234009 0.059220163 -5.367751e-02 -6.635857e-02 0.0002239704
## 97 -0.0122610535 -0.019134715 -8.813531e-02 6.392466e-02 0.0427498188
## 98 0.0664813063 0.082146031 7.532563e-05 -6.978711e-02 -0.0196439122
## 99 0.0373324171 0.062449733 -2.729467e-02 -6.284866e-03 0.0182560811
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## 104 0.0474213178 -0.005758053 -4.857838e-02 -6.383388e-02 0.0190481092

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## 105 0.0269449620 -0.020051875 -1.163510e-02 -4.206001e-02 0.0455126876
## 106 -0.0024601872 0.065277963 1.526573e-02 7.103409e-03 0.0052669436
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## 116 0.0245144072 0.036814561 1.576293e-02 4.338709e-02 0.0207283797
## 117 0.0535915513 -0.077523598 7.045983e-02 6.260139e-02 -0.0198290116
## 118 0.0017392217 0.029552274 4.348877e-03 1.135490e-02 -0.0463672837
## 119 0.0595819476 -0.044975258 4.741481e-02 -4.708838e-02 0.0620271111
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## 124 0.0665735204 -0.032067017 6.258110e-02 3.308626e-02 0.0478805338
## 125 0.0464439791 0.009886785 7.968466e-02 5.502065e-03 0.0352050625
## 126 -0.0681396325 0.026433568 8.020626e-03 -8.818510e-03 0.0048410976
## 127 0.0567473190 -0.042698846 -1.961806e-02 -1.254333e-02 -0.0047638410
## 128 -0.0283850002 -0.005751837 -4.790343e-02 -9.515728e-02 0.0408522992
## 129 0.0417350335 0.051952112 2.896226e-03 -1.148832e-02 0.0117626279
## 130 0.0908961256 -0.051123684 5.568022e-03 -6.678622e-02 0.0424042280
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## 132 0.0585828005 -0.092648673 -5.630587e-02 3.943460e-02 0.0664832531
## 133 -0.0099366841 0.043669509 3.387364e-04 5.107664e-02 -0.0547534629
## 134 0.0013789256 -0.019556682 -8.496371e-02 -8.497102e-02 0.0320398337
## 135 0.0620978455 -0.020062650 4.720843e-02 -1.719909e-02 0.0146059659
## 136 0.0126504859 -0.023781930 1.065541e-01 7.642101e-02 -0.0238454754
## 137 -0.0363662350 -0.038247628 1.160630e-02 3.127976e-02 0.0363085569
## 138 -0.0084997372 0.043049713 1.290758e-02 -9.999876e-05 0.0147753502
## 139 0.0862997443 0.043269032 -9.127377e-02 1.181964e-01 -0.0375840543
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## 141 -0.0375349158 0.021246761 -4.260111e-02 3.360440e-03 -0.0058098307
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## 144 0.0023275543 -0.110187442 -3.852411e-02 3.868477e-02 -0.0206241776
## 145 -0.0649340065 0.008064506 1.462965e-02 7.926136e-02 0.0310861835
## 146 -0.0311683534 -0.073416987 -2.505834e-02 -8.681404e-03 0.0485206126
## 147 -0.0545880127 -0.017215007 -4.438310e-02 3.553227e-03 -0.0864668028
## 148 -0.0598803243 -0.066724710 -6.424887e-02 8.467142e-04 0.0424573246
## 149 0.0457125882 -0.139321043 3.062240e-02 -3.229270e-02 0.0149047476
## 150 -0.0990715898 0.055306176 4.413767e-02 -1.058595e-02 -0.0938834337
## 151 -0.0364850206 0.093571424 3.703706e-02 2.546618e-02 0.0049560782
## 152 -0.0356047687 0.009270932 6.645162e-02 -1.680366e-03 -0.0347783016
## 153 -0.0498453820 0.058946527 -6.099649e-02 2.191228e-03 -0.0558995104
## 154 -0.0635353499 -0.036075077 -1.387803e-03 2.801758e-02 0.0204655508
## 155 -0.0274677135 -0.057179913 4.354119e-02 5.067364e-02 -0.1269103566
## 156 -0.0123146309 0.010527083 -2.829525e-02 -3.558101e-02 -0.0394786532
## 157 -0.0117148563 -0.040164423 4.625249e-03 -9.177772e-02 0.0650901580
## 158 0.0368354296 0.016100664 4.216049e-02 6.682037e-02 -0.0259048603

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## 159 -0.0202966399 -0.076728011 1.002321e-02 -8.858136e-03 0.0019453757
## 160 -0.0512160942 0.100024065 1.346485e-03 -4.952108e-02 0.0906210695
## 161 0.0022938886 -0.026803696 -2.425005e-03 -3.135131e-02 0.0137224381
## 162 -0.0816791215 -0.005926835 5.472458e-02 1.914665e-02 0.0776409219
## 163 0.0155796071 -0.048009589 -8.644255e-03 3.066503e-02 0.0663333508
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## 165 0.0338283179 -0.002456330 -3.607713e-03 1.196010e-02 -0.0774726483
## 166 0.0700854647 -0.032446202 -6.179978e-02 -5.099745e-02 0.0007395144
## 167 -0.0231793642 0.037427929 -4.711180e-02 1.478233e-02 0.0141087821
## 168 0.0694774339 -0.024486721 -4.221107e-02 3.677764e-03 -0.0460865673
## 169 0.0404810065 0.043477988 2.593000e-02 -3.562936e-02 -0.0245661399
## 170 0.0091450256 -0.021532071 -3.065171e-02 7.579864e-02 0.0181084526
## 171 0.0187121698 -0.024389271 2.007649e-02 -1.322057e-02 0.0212596885
## 172 -0.0183047400 -0.042480668 2.352136e-02 3.470737e-02 -0.0184709819
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## 175 0.0139329094 -0.009194988 1.856165e-02 -2.759195e-02 0.0735708914
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## 178 0.0115913498 -0.024406294 2.656768e-02 -2.945657e-02 0.0278485775
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## 180 -0.0190969571 0.015525471 4.082590e-02 -6.044124e-03 0.0327140605
## 181 0.0082188790 -0.049111923 1.850415e-02 8.361835e-03 0.0340127954
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## 184 0.0503609829 -0.077808835 -1.561188e-02 -3.896515e-02 0.0138303595
## 185 0.0253373005 -0.015206646 4.963163e-02 4.609697e-03 0.0492700856
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## 192 -0.0643315347 0.043642801 -6.893544e-02 2.961275e-02 0.0029957887
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## 194 -0.0390059352 0.036949831 -8.086351e-02 -4.737222e-02 -0.0291744670
## 195 0.0564073599 -0.043366847 -1.084620e-01 -1.294364e-02 0.0078014212
## 196 0.0197422662 0.009548366 1.201895e-02 -4.428521e-03 -0.0061433285
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## 198 -0.1125519114 -0.035822116 5.584110e-02 -6.068473e-02 -0.0188927437
## 199 -0.0263523707 -0.083133962 -4.794387e-02 4.926170e-03 -0.0293680529
##          V241          V242          V243          V244          V245
## 1  -0.0099851643 0.0357659466 0.0242948438 -4.052624e-02 -0.0906101877
## 2   0.0290215521 0.0193384737 -0.0266581416 1.521074e-03 0.0193255604
## 3  -0.0017379204 -0.0169464322 0.0256292058 -2.964216e-02 -0.0913142709
## 4  -0.0050459132 -0.0607398804 0.0206474868 -6.551874e-03 -0.0455813313
## 5   0.0157830927 -0.0049763429 0.0173786401 -7.206411e-04 0.0664254776
## 6   0.0229969226 0.1099613623 0.0661075063 -3.807432e-02 0.0447043772
## 7   0.0009500245 -0.0200533169 0.0775466493 3.918391e-02 0.0478497862
## 8   0.0840988168 -0.0614593778 -0.0433458764 1.251672e-02 0.0249336204
## 9  -0.0657237219 0.0265589716 -0.0365819629 7.020717e-03 0.0804700338
## 10 -0.0044294400 -0.0467719187 -0.0281079318 7.569299e-02 -0.0455018593
## 11  0.0179244569 -0.0074056180 -0.0267494522 -1.003199e-02 -0.0189814648
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## 13	0.0400235421	-0.0064345274	-0.0432009264	1.008742e-01	0.0731063348
## 14	-0.0199418889	-0.0205068423	0.0849836119	2.386470e-02	-0.0266049357
## 15	0.0001399654	0.0164081563	0.0276450092	-1.262146e-02	0.0413636741
## 16	-0.0158555714	-0.0090259075	-0.0145389511	9.474207e-02	0.0235492040
## 17	0.0625278582	0.0078322393	0.0050016004	-7.896136e-03	-0.0103332173
## 18	0.0612375275	0.0104123226	-0.0185417669	-3.013528e-02	0.0505461320
## 19	0.0505614880	0.0312162871	-0.0440065310	-5.232885e-03	0.0133743871
## 20	0.0298158717	-0.0114192933	0.0056083389	-2.066063e-03	0.0695020815
## 21	-0.0007120618	0.0320873599	-0.1070615215	5.686905e-02	0.0628415443
## 22	-0.0628713467	-0.0327397593	0.0383453671	-4.688526e-02	0.0199753116
## 23	-0.0468969422	0.0374070474	0.0945390468	3.523467e-02	-0.0101091640
## 24	0.0200476488	0.0120395066	0.0397327318	-2.127155e-03	0.0061723796
## 25	-0.0163283602	0.0430952467	-0.0027881556	2.126743e-03	-0.0946368733
## 26	0.0527480010	0.0145105804	0.0661341068	1.306432e-03	-0.0579161979
## 27	0.0866254292	0.0119427628	-0.0525344158	-1.270429e-02	-0.0120613167
## 28	0.0102732892	-0.0335076442	0.0336838181	-4.457669e-02	0.0190455890
## 29	0.0112478596	-0.0727554349	0.0258801832	2.992671e-03	0.0111572717
## 30	0.0017729773	0.0779997660	-0.0231944930	-1.046365e-01	-0.0051418468
## 31	0.0787737308	0.0255147747	0.0288420134	6.664484e-02	-0.1168565111
## 32	-0.0162084967	0.0492972853	-0.0668469437	1.332465e-02	0.0058488005
## 33	-0.0391425205	0.0012858423	0.0240960884	-1.073447e-02	0.0437705448
## 34	-0.0360652912	-0.0537199414	0.0204567096	-5.509459e-02	-0.0267880473
## 35	0.0325954340	-0.0109598829	-0.0564945403	9.901066e-02	0.0556000056
## 36	-0.0374673954	0.0276489514	0.0154058789	1.434194e-02	-0.0287277713
## 37	0.0174389207	0.0312474838	0.0171146130	6.169257e-03	0.0462384831
## 38	-0.0095110708	-0.0138854552	-0.0124571695	3.770298e-02	-0.1370110341
## 39	-0.0236087506	0.0277747316	0.0100739451	-8.321515e-02	-0.0718666872
## 40	0.0262710082	0.0386403689	-0.0251789455	4.666683e-02	-0.0321882388
## 41	-0.0153678802	-0.0147133439	-0.0855763544	-2.662962e-02	-0.0511311020
## 42	0.0378847026	-0.0045912568	0.0034537901	6.460355e-02	-0.0254517719
## 43	-0.0194503213	0.0363070584	-0.0834029241	1.267226e-02	0.0088685669
## 44	0.0322225202	-0.0191222504	-0.0137144706	1.769265e-03	0.0672301118
## 45	0.0365871076	-0.0387055304	-0.0433331251	3.151060e-03	0.0160337815
## 46	0.0711139910	-0.0480550331	0.0082380793	3.321205e-02	0.0207536879
## 47	-0.0120013428	0.0152805799	-0.0203056728	-6.357143e-02	0.0107846938
## 48	0.0298194017	-0.0264513008	-0.0411022923	4.281111e-02	0.0159759936
## 49	0.0210791906	-0.0042381096	-0.0709170499	-1.241503e-01	-0.0078953191
## 50	-0.0781711573	-0.0502224802	-0.0015426268	-1.459361e-02	0.0760705854
## 51	0.0296056995	0.0898341009	0.0231605226	6.787621e-03	-0.0766994972
## 52	0.0184521184	-0.0320161272	0.0851847878	2.346142e-02	0.0308037868
## 53	-0.0101279081	-0.0238329286	0.0367853202	-1.530806e-02	0.0203933962
## 54	-0.0786812569	-0.0180424254	-0.0499096733	1.389597e-02	0.0081692219
## 55	0.0321590965	0.0492116870	0.0182534137	7.496878e-02	-0.0565805445
## 56	0.0182720127	0.0166130601	0.0805539568	-4.531634e-02	-0.0456493803
## 57	-0.0200630933	0.0109095111	0.0208176719	5.304795e-02	0.0212243322
## 58	-0.0172287232	0.0100814046	0.0060411499	2.019369e-02	-0.0437774915
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## 61	0.0276585938	-0.0569469049	-0.0785604016	-6.155399e-02	0.0511928934
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## 63	-0.0609177408	-0.0258224135	-0.0564021585	4.681178e-02	-0.0263725137
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## 65	0.0243003043	0.0058981017	0.0272538466	6.481406e-02	0.1217180013
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## 67 -0.0616307596 -0.0166301644 -0.0853506001 2.574095e-02 0.0099125094
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## 69 -0.0366921454 0.0594383297 -0.0756808868 6.710042e-02 0.0444601609
## 70 -0.0565009451 -0.0549076594 0.0256615212 3.478566e-02 0.0129234519
## 71 -0.0019807370 -0.0018838305 0.0258625654 -3.674942e-02 0.0084576475
## 72 -0.0055487973 -0.0455371355 -0.0171793677 3.336015e-03 0.0248800602
## 73 -0.0234020448 -0.0918453287 -0.0392591171 8.400048e-02 -0.0157771782
## 74 0.0066600708 -0.0126055877 -0.0429168567 6.661248e-02 0.0143623897
## 75 -0.0097503315 0.0245298574 -0.0146884313 -3.110383e-02 0.0449811063
## 76 0.0334751232 -0.1029067361 0.0344930414 -8.983511e-03 0.0307053535
## 77 0.0684454890 -0.0002405593 -0.0121322297 -5.698573e-02 0.0816048630
## 78 -0.0397409365 0.0598005577 0.0619344760 1.204062e-02 0.0501113890
## 79 -0.0105710001 -0.0340117063 -0.0201058210 1.342002e-01 -0.0959488865
## 80 0.0679285174 -0.0172120651 -0.0410821528 -3.611694e-03 -0.0142919288
## 81 0.0607978090 -0.0024282677 0.1041222084 1.429391e-02 0.0070133425
## 82 -0.0900232019 0.0686300590 -0.0452464449 2.837095e-02 0.0684203391
## 83 -0.0384062845 0.0313475515 0.0369067267 -5.638424e-02 0.0336208022
## 84 -0.0040999164 0.0024038766 -0.0636925866 4.528111e-02 -0.0342758465
## 85 0.0512653555 0.0386887565 0.0425870407 -9.284587e-03 0.0368388337
## 86 0.0252644409 0.0303734176 0.0305109190 -8.436836e-02 -0.0042522288
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## 88 -0.0432784186 0.0151274319 -0.0316281234 -2.105887e-02 0.0342841965
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## 106 -0.1365729923 0.0151863923 0.0409906673 -1.264016e-02 0.0920238068
## 107 -0.0607411586 -0.0463111473 -0.0419488015 1.407994e-01 0.0737932202
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## 109 0.0281228992 -0.0082625698 0.0677537018 8.084604e-02 0.0709173673
## 110 -0.0241967817 0.0752550135 -0.0034607633 -9.359241e-03 -0.0266406848
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## 121 0.0371797852 0.0307579183 -0.0460289934 -5.199021e-02 -0.0236605159
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## 1  -0.0828148813 0.0247451435 0.0509292943 0.0187685327 0.0055152974
## 2  -0.0005341092 -0.0394716853 0.1231628492 -0.0650926860 -0.0323224681
## 3  -0.0237155203 -0.0704290020 0.0462533330 0.0061592113 -0.0331323553
## 4  -0.0499729031 0.0004960993 0.0209687876 0.0272236063 -0.0220684552
## 5  0.0133359350 0.0178258155 0.0279396317 -0.0152030026 0.0482621805
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## 7  0.0309194865 0.0228361452 0.0415156154 0.0202809119 -0.0457494043
## 8  0.0403047307 0.0036492175 -0.0347811421 -0.0724372378 -0.0283310025
## 9  0.0484663723 -0.0461129435 -0.0421845947 0.0212224019 0.0307121761
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## 11 -0.0279132029 0.0118039590 -0.0246566519 0.0041174362 0.0271361068
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## 18 -0.0478053321 0.0060483309 -0.0285404249 -0.0662821177 0.0216683945
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## 128	-0.0235659051	-0.0409648463	-0.0312765884	0.0128517496	-0.0232439180
## 129	0.0139684010	-0.0558882894	0.0015772452	-0.0547093851	-0.0022618755
## 130	-0.0787045891	0.0266679279	-0.0230596105	0.0132985871	0.0139348509
## 131	0.0609171325	0.0259619727	-0.0801603584	-0.0222703085	-0.0484803921
## 132	0.0111561343	-0.0105579555	0.0260439481	-0.0307192857	0.0479119226
## 133	0.0117057405	-0.0304537191	0.0213805429	-0.0808595144	-0.0242443492
## 134	-0.0416826921	-0.0215072551	0.0241905692	0.0386131297	-0.0011028657
## 135	-0.0677719050	0.0308400437	0.0097601213	-0.0024320520	0.0121877346
## 136	0.0132898339	-0.0019435344	0.0390245282	0.0036908203	0.1081451040

## 137	-0.0294295403	0.0387510247	-0.0954080916	0.0377976310	0.0220036773
## 138	0.0538376773	0.0335026681	0.0085392083	-0.0474338388	-0.0260659476
## 139	-0.0054183350	-0.0422135146	0.0366096643	-0.0134880490	0.0085051724
## 140	-0.0638865166	0.0327524684	-0.0030936447	0.0734732993	-0.0121390388
## 141	0.0460845130	-0.0592031795	-0.0334149201	0.0131390781	0.0054203985
## 142	0.0238211855	-0.0377844305	0.0253528643	-0.0043173494	0.0395052944
## 143	0.0322885634	-0.0283952166	0.0486396541	0.0421430559	-0.0761299036
## 144	0.0586545821	0.0401692794	0.0350799203	-0.0181297265	-0.0198812544
## 145	-0.0661660386	0.0079617311	-0.0707190335	0.0476355935	0.0017352859
## 146	0.0557071004	-0.0030655822	-0.0188967533	0.0288953733	-0.0225620765
## 147	-0.0198592281	0.0455191478	-0.0618304083	0.0226273854	0.0823165545
## 148	0.0421579128	0.0005071431	0.0241826276	-0.0262045991	0.0178686726
## 149	0.0403994012	0.0208106327	0.0111852476	-0.0559897878	0.0539424191
## 150	-0.0278503392	-0.0051010453	-0.0657845037	0.0327391109	0.0638585462
## 151	-0.0260982347	-0.0452862792	-0.0669479857	-0.0514617128	-0.0114649566
## 152	-0.0177212488	0.0352545539	-0.0679794167	0.0152453887	-0.0606039257
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## 154	-0.0293413007	0.0510563576	-0.0028732616	0.0034905131	-0.0450751711
## 155	0.0177303430	0.0154896911	-0.0603121663	0.0220534111	0.0141171645
## 156	0.0693540798	-0.0418160053	0.0269344803	-0.0395637247	0.0406347162
## 157	-0.0355091125	-0.0056414465	0.0257859023	-0.1036657270	-0.0836440301
## 158	0.0407528813	-0.0426960077	0.0165081658	0.1099753557	-0.0310475426
## 159	0.0096348384	0.0370543720	0.0637129838	0.0183696596	-0.0028791045
## 160	-0.0040440171	0.0200581526	-0.0437397611	0.0109506703	0.0147435496
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## 162	-0.0070879351	-0.0091914795	0.0519821650	0.0407786629	-0.0763045192
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## 166	-0.0689055638	0.0193555914	0.0150191299	-0.0460876797	-0.0120595949
## 167	-0.0422455312	-0.0348926234	-0.0146883546	-0.0096384897	0.0385491594
## 168	0.0405153999	0.0252994982	-0.0256152933	-0.0234304512	-0.0564012401
## 169	-0.0367798285	0.0403095455	0.0413270323	-0.1125728964	-0.0575615885
## 170	0.0400172173	0.0460307213	-0.0713586601	0.0176473422	0.0452949051
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## 172	-0.0163525518	0.0252826908	-0.0058390086	0.0310482375	0.0789675400
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## 178	0.0418817732	-0.0690588368	0.0595888152	-0.0379767582	0.0274470106
## 179	-0.0182665542	-0.0496246412	0.0290908130	-0.0684430043	-0.0360456982
## 180	-0.0164059876	0.0757762525	-0.0093938487	0.0194351160	-0.0234095424
## 181	0.0266243115	0.0130570963	-0.0531072292	-0.0261577333	0.0637441902
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## 183	0.0322626700	0.0399360266	0.0709127873	-0.0232125074	0.0543169826
## 184	-0.0821849040	0.0249663714	0.0480292651	0.0270167254	-0.0002218725
## 185	-0.0030960484	0.0572201660	0.0257646963	0.0115246683	-0.0037337171
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## 191 -0.0834313421 -0.0270751986 -0.0248273285 -0.0406711975 -0.0238565815
## 192 -0.0410349289 0.0238673894 -0.0074145647 -0.0326782935 -0.0970081974
## 193 -0.0734033264 0.0272874721 -0.0064516090 0.0135212337 -0.0308658180
## 194 0.0624206636 0.0146419481 -0.0022675655 0.0317924163 -0.0245637533
## 195 0.0218515006 -0.0209197282 0.0234644078 0.1190413080 0.0111575603
## 196 0.0417258747 0.0676385746 -0.0138191690 -0.0363278009 -0.0598297459
## 197 0.0703818622 -0.0177476227 0.0477365414 0.0404579160 -0.0387717986
## 198 0.0174532904 0.0466367019 -0.0170115884 0.0854732213 0.0231742393
## 199 -0.0358003721 -0.0707737099 -0.0902981308 0.0315926781 -0.0153549042
##          V251          V252          V253          V254          V255
## 1  -4.244453e-02 -0.0302334041 -1.305127e-02 -6.161315e-03 0.0605353775
## 2   3.945971e-02 0.0131868186 4.469192e-02 -4.861663e-02 0.0284471805
## 3  -5.145481e-02 0.0825174667 -1.752593e-02 -6.687741e-02 0.0135977971
## 4   1.217183e-02 -0.0832230881 -1.674008e-02 6.824556e-02 -0.0570190369
## 5  -1.587351e-02 -0.0349521833 -5.651744e-02 1.730699e-02 0.0414577673
## 6  -1.019318e-02 0.0010827985 1.706572e-02 2.369266e-02 0.0024313254
## 7  -7.281302e-02 0.0399259723 7.031660e-02 6.031210e-02 -0.0198253491
## 8  -7.807761e-02 -0.0531952877 8.625242e-03 1.284265e-02 0.0219412843
## 9   2.321052e-02 0.0463601306 -2.011256e-03 5.343757e-02 0.0578810299
## 10  2.731207e-02 0.0112766583 -7.192702e-02 1.739929e-02 -0.0021682625
## 11  2.699535e-02 0.0528566009 1.055549e-02 -4.320841e-02 -0.0608913363
## 12 -1.596680e-02 -0.0296182355 -6.804002e-02 6.724055e-03 0.0204278878
## 13  9.762438e-02 -0.0599282427 4.953127e-02 8.188423e-02 -0.0485969619
## 14 -1.695279e-05 0.0382872856 5.368236e-02 -3.366834e-02 -0.0006385479
## 15 -6.781071e-02 0.0285691869 9.575525e-03 -3.978120e-04 0.0608156072
## 16 -6.658102e-02 -0.0210914501 1.287862e-02 -5.975858e-02 0.0538778055
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## 18 -6.198406e-02 0.0007057096 5.335190e-02 -3.794718e-02 0.0346237310
## 19  1.145590e-02 0.0401037467 -1.884522e-02 3.064234e-02 0.0102469555
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## 22  1.592596e-02 -0.0680000597 1.412676e-03 5.103999e-02 -0.0561286615
## 23  7.745307e-02 0.0133179285 1.123977e-01 2.869316e-02 -0.0213921907
## 24 -3.915359e-02 0.0184629567 2.836752e-02 -8.427067e-03 0.0126162404
## 25 -7.970603e-02 0.1020208639 5.760193e-03 2.558298e-02 -0.0895559014
## 26 -1.127475e-03 0.0583834149 1.601276e-02 -2.411051e-02 -0.0794431743
## 27  3.025482e-02 0.0556912869 -6.091547e-02 3.782437e-02 0.0708902215
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## 29  1.846826e-02 0.0084121425 5.215403e-02 2.725786e-02 -0.0257579277
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## 45 -3.901147e-02 -0.0143491796 3.901444e-02 -1.742628e-03 -0.0262096635
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## 124 -5.404603e-04 -0.029971246 1.149821e-02 -0.0261314885 1.261803e-02
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## 126 -7.142280e-02 -0.049403607 9.558533e-02 0.0120557078 -6.746620e-02
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## 130 -6.250412e-03 0.021281667 -4.427515e-02 -0.0017557150 -8.614827e-04
## 131 2.641134e-02 0.036558356 5.671331e-02 0.0108396920 7.370635e-02
## 132 3.410621e-02 0.052388671 -3.343080e-02 0.0345721000 1.500967e-02
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## 142 5.613637e-03 0.031409553 5.100742e-05 0.0013973322 -5.277590e-02
## 143 -9.260971e-05 -0.061248631 -9.239381e-02 0.0278726019 -6.927490e-03
## 144 4.034167e-02 -0.004676723 5.000141e-02 -0.0487863089 -1.931245e-02
## 145 -2.022720e-02 -0.028113649 2.911948e-03 -0.0556656802 5.038384e-02
## 146 -1.500665e-02 -0.043674050 -2.281450e-02 0.0828734071 -7.186292e-02
## 147 -3.085451e-02 0.026272637 -4.231666e-02 -0.0384886807 -3.562955e-02
## 148 -6.514903e-04 0.006008737 8.091074e-02 0.0096462787 -1.205809e-02
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## 169	3.882002e-02	0.040268491	-1.930501e-02	0.0338714948	6.963888e-02
## 170	1.071603e-02	-0.026730796	-8.208089e-03	-0.0132926741	6.197514e-02
## 171	9.182133e-02	-0.050277768	3.924492e-02	-0.0240420693	3.965436e-02
## 172	5.882714e-02	-0.067417969	-5.236891e-03	0.0029923841	-1.678155e-02
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## 174	1.848594e-02	0.020961289	-3.591419e-02	-0.0458151487	7.752967e-02
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## 176	-1.873363e-02	-0.034632590	2.421715e-02	-0.0260382150	5.639145e-02
## 177	-2.216982e-02	-0.101433119	-4.405941e-03	0.0149308679	-5.044862e-03
## 178	4.698195e-02	-0.009803878	-6.415056e-02	-0.1018824993	-2.046829e-02
## 179	6.033686e-02	0.020625645	-1.533956e-02	0.0526875408	-2.611737e-02
## 180	5.455947e-02	0.013977450	6.883818e-03	-0.0148496470	2.577442e-02
## 181	2.131103e-02	0.014546224	5.475492e-03	0.0111642547	4.472856e-02
## 182	-1.022193e-02	-0.050445328	5.394229e-02	0.0036397129	-4.664059e-02
## 183	-5.201926e-02	0.031378659	1.737709e-02	0.0222973227	4.028808e-02
## 184	4.290435e-02	-0.029943891	3.609489e-02	-0.0548600816	2.956661e-02
## 185	4.115173e-02	0.075373307	-1.234834e-02	0.1043609782	4.851345e-02
## 186	1.230321e-02	0.035872163	5.348428e-02	0.0508259566	2.835688e-02
## 187	-7.863178e-02	0.005239235	3.285622e-02	-0.0183324794	-5.816533e-03
## 188	-7.825129e-02	0.063335074	-2.474623e-02	-0.0023588503	3.278252e-02
## 189	9.415000e-02	0.008660795	-1.172178e-02	-0.0021226847	-2.158611e-02
## 190	-4.021422e-02	0.028915269	-2.210535e-02	-0.0694888384	1.195970e-02
## 191	1.787038e-02	-0.103155599	4.377148e-02	0.0812724622	-1.635305e-02
## 192	3.023185e-02	-0.037520746	5.369815e-02	-0.0147202833	6.784019e-02
## 193	1.177484e-02	0.008124028	3.604594e-03	-0.0655804868	1.634362e-03
## 194	4.186365e-02	-0.033120384	-4.969908e-03	-0.0062312294	3.694954e-02
## 195	7.349239e-02	-0.009881421	2.698261e-02	0.0121068461	9.790249e-03
## 196	2.909372e-02	0.007563632	1.427187e-02	0.0246691325	-1.551095e-03
## 197	2.570098e-02	-0.045320842	4.794092e-02	0.0571096959	-4.914744e-02
## 198	2.808897e-02	-0.089080635	4.632725e-02	-0.0423604827	6.887903e-02
## 199	1.580270e-02	-0.051298162	4.933395e-02	0.0005422535	-4.006219e-02
##	V261	V262	V263	V264	V265
## 1	-0.0082438527	0.0548450102	-0.0271919741	0.0325102769	-0.0559350804
## 2	-0.0010233600	0.0624189574	0.0191203813	-0.0717306042	-0.0098329333
## 3	0.0839752841	0.0524211813	0.0589336607	0.0154794738	0.0012052078
## 4	-0.0104681929	0.0562417616	-0.0564759738	0.0222531303	0.0021634503
## 5	-0.0232893416	-0.0298097285	-0.0192512206	-0.0425908639	-0.0482217109
## 6	-0.0633311409	-0.0220253332	-0.0298116711	-0.0220331677	-0.0242086290
## 7	-0.0679085232	0.0764586007	-0.0034667031	-0.0309094858	0.0461604398
## 8	0.0560721040	-0.0631052646	-0.0006009704	-0.0566085960	0.0043928556
## 9	0.0021365525	0.0141357436	-0.0369888538	0.0250032104	-0.0329992951
## 10	0.0395822416	0.0121716688	0.0887485734	0.0344172369	0.0415675035
## 11	0.0058489550	-0.0808592797	-0.1110793095	-0.0806187819	-0.0756483449
## 12	-0.0034625463	0.0381054687	-0.0388790215	0.0377735563	-0.0248528114
## 13	-0.0166824504	0.0134176164	-0.0807885757	-0.0137307649	-0.0305175343
## 14	-0.0062047899	-0.0131093060	-0.0025676683	-0.0104170042	-0.0051481120
## 15	0.0281396870	-0.0542204019	0.0020752832	0.0168133267	-0.0182606455
## 16	0.0006701329	-0.0372918824	-0.0355768347	0.0347394151	0.0360536274
## 17	-0.0044154837	0.0516786679	-0.0249878931	-0.0528306546	-0.1041900050
## 18	0.0401039817	-0.0301181238	-0.0067951890	0.0437729854	-0.0081606293
## 19	0.0030312493	0.0410736670	-0.0259968970	0.0316005382	-0.0321777834
## 20	0.0058809667	-0.0142820199	-0.0711027984	-0.0185870138	0.0094643933
## 21	-0.0781475632	-0.0064096645	0.0042475345	-0.0008754229	0.0085992315
## 22	0.0180149846	-0.0344526666	0.0196204188	-0.0115613413	-0.0070290172

## 23	-0.0229386779	-0.0012783156	0.0330645373	-0.0094403369	-0.0436667232
## 24	-0.0207113226	-0.0266949518	0.0587503289	-0.0241064396	0.0208050153
## 25	0.0208767745	0.0771822347	-0.0198041092	0.0526590860	0.0065388169
## 26	0.0037610631	0.0432351810	-0.0260201997	0.0178744015	-0.0178524104
## 27	0.0299893339	0.0465498430	0.0006383924	0.0220339622	-0.0236733453
## 28	-0.0438970599	0.0715513107	0.0305242477	0.0497665245	0.0404642910
## 29	-0.0445291961	0.0201585328	-0.0390727985	0.0539814011	0.1345705953
## 30	-0.0931105107	0.0122293496	-0.0159789685	-0.0346524589	0.0208849312
## 31	0.0187375663	-0.0560243800	0.0082350698	0.0465767899	-0.0714701876
## 32	-0.0387030278	-0.0620079828	0.0186589675	-0.0268758791	-0.0052488690
## 33	0.0298885484	-0.0180060339	-0.0182894082	-0.0186945874	0.0412907892
## 34	0.0561437832	0.0108866934	-0.0234206791	0.0196154040	0.0408264154
## 35	-0.0411334776	0.0273763229	-0.0393665303	0.0252099751	0.0932948908
## 36	-0.1150590755	-0.0781637819	-0.0333106911	0.0074618581	0.0384207897
## 37	-0.0592267733	-0.0203619412	0.0116904083	0.0134586884	-0.0266883553
## 38	0.0861640877	-0.0651179399	-0.0513308638	-0.0900596754	0.1117046877
## 39	0.0091928438	0.0029151693	0.0186952583	-0.0006909719	0.0248418568
## 40	-0.0527661023	0.0564920788	-0.0763206986	-0.0308039861	0.0037086824
## 41	-0.0894264480	0.0395034620	-0.0541911078	-0.0594594486	0.0075457705
## 42	0.0142207498	0.0068249424	-0.0429929827	0.0530799521	-0.0114261273
## 43	-0.0255814755	0.0084878844	-0.0794043044	-0.0302286628	-0.0555524147
## 44	0.0329473233	0.0154981605	0.0100361844	-0.0420640718	-0.0463718251
## 45	0.0463757571	-0.0032945074	-0.0658132415	-0.0348899812	0.0432767710
## 46	-0.0083639294	-0.0544021345	0.0433609505	-0.0695783304	-0.0407820976
## 47	0.0298120819	0.0362394634	-0.0319697878	-0.0642248260	0.0780778518
## 48	-0.0117840478	0.0394879007	-0.0237444919	-0.0508364026	0.0371001298
## 49	-0.0123049270	0.1237835511	0.0209296267	-0.0551721099	-0.0835869862
## 50	0.0659603720	-0.0307193811	-0.0186765850	0.0745984739	0.0532657468
## 51	0.0341365919	-0.0115225705	-0.0172128378	-0.0074021416	0.0051895054
## 52	0.0053638772	0.0215161163	0.0483069079	-0.0404135285	-0.0321716065
## 53	-0.0335859702	0.0232967202	0.0627769450	0.0597921662	0.0458611147
## 54	-0.0045762564	-0.0637271169	0.0684562514	0.0417887705	-0.0099147629
## 55	-0.0472456293	0.0352767826	-0.0340586945	-0.0208172556	-0.0099132129
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## 59	0.0329856298	0.0048688121	-0.0298421142	0.0134501292	0.0356773301
## 60	0.0882160630	-0.0018114247	0.0743811899	0.0033776154	0.0068397529
## 61	-0.0174760523	0.0115291274	0.0413709361	0.0009997866	0.0199183640
## 62	0.0231526700	-0.0498325067	-0.0596334352	0.0064681092	-0.0110662102
## 63	-0.0117057331	0.0126948322	-0.0702055819	0.0235188149	-0.1125496649
## 64	0.0233406534	0.0443855241	-0.0128739973	0.0352897887	0.0420645858
## 65	-0.0183636821	-0.0332902790	-0.0233125557	0.0333560065	-0.0693532799
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## 68	0.0299027535	-0.0034632315	0.0954647417	-0.0076267618	0.0171377547
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## 72	-0.0225512956	0.0312272159	-0.0655713269	0.0074451591	-0.0105375276
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## 75	0.0229946706	-0.0152323602	-0.1170432254	0.0290134556	-0.0089106324
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## 87	-0.0875947011	0.0195214158	0.0330223408	0.0482970941	-0.0502822748
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## 97	-0.0116040438	-0.0526775094	-0.0616393168	-0.0433141720	0.0441178968
## 98	0.0175550299	-0.0658749439	-0.0007444508	0.0306109144	-0.0111697647
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## 102	0.0169029030	-0.0487029629	0.0119644128	0.0319203820	0.0367577182
## 103	-0.0417287628	-0.0626709063	0.0167875311	0.0569064522	-0.0669051746
## 104	0.0046687308	-0.0203763919	-0.0008955691	0.0427087077	-0.0227864465
## 105	-0.0545972777	-0.0836811638	0.0456968443	-0.0033178131	-0.0121439031
## 106	0.0441192380	-0.0588829704	0.0501856124	0.0904586405	-0.0533179741
## 107	0.0205757189	0.0328695431	0.0110021958	0.0101589331	0.0923503675
## 108	-0.0002502251	0.0122104753	0.0206646607	0.1120158985	-0.0047549281
## 109	0.0554205550	-0.1132709447	-0.0604360334	0.0159828802	0.0532129532
## 110	-0.0267710475	0.0855238460	0.0311151703	-0.0025822414	-0.0078870798
## 111	0.0283349849	-0.0197078889	0.0169897785	-0.0100630712	-0.0147442724
## 112	0.0230346602	-0.0294528399	-0.0091888689	0.0366302549	-0.0199016882
## 113	-0.0171747435	0.0944833546	-0.0058150888	0.0572235022	-0.0967051932
## 114	0.0819969150	0.0386730459	-0.0194389409	0.0678950648	0.0316050776
## 115	0.0105029173	-0.0229313378	-0.0646258929	0.0384378652	-0.0682165909
## 116	-0.0216950909	0.0113968358	-0.0327963671	0.0169781817	-0.1425283255
## 117	0.0866530737	-0.0105470393	0.0165123778	0.0423494367	-0.0094003284
## 118	-0.0230015131	0.0180758262	0.0738825177	-0.0021701346	-0.0271322499
## 119	0.0122564799	0.0384321622	-0.0311355208	0.0364668811	0.0132147474
## 120	-0.0382918063	0.0952673836	0.0401040883	0.0906382393	0.0489434113
## 121	-0.0252724075	-0.0057437535	0.0197117177	0.0626086117	-0.0661652649
## 122	0.0538964137	0.0096613907	-0.0061147907	0.0026290162	-0.0038305796
## 123	0.0734269403	-0.0320423339	0.0102235680	0.0222183893	-0.0783747776
## 124	0.0635743693	-0.0067520659	-0.0743718638	-0.0122404648	-0.0856371405
## 125	-0.0010140344	0.1095104982	0.0068145706	0.0488600890	-0.0275810546
## 126	0.0306482139	-0.0036468204	0.0179544816	0.0042960831	0.0259790203
## 127	0.0854877485	-0.0181304930	-0.0944973049	-0.0109901229	-0.0152087043
## 128	-0.0056163453	-0.0041761816	0.0495907206	0.0137849876	-0.0031353231
## 129	0.0133918943	-0.0681157405	0.0030915466	0.0359373912	0.0406631251
## 130	-0.0994117497	-0.0409595718	0.0261581055	-0.0533268502	-0.0287199507

## 131	0.0298673496	0.0005397780	0.0634393148	-0.0235375268	0.0075598922
## 132	-0.0655792287	-0.0827100885	0.0275029500	-0.0487561351	0.0333138753
## 133	-0.0073968173	0.0817895782	-0.0434254789	0.0194972964	0.0126454324
## 134	0.0258762243	-0.0311773392	0.0510432864	0.0125002379	0.0059651242
## 135	-0.0185961227	0.0645236120	-0.1001562127	0.0409066881	0.0207159736
## 136	-0.0773471906	-0.0035067972	-0.0490713845	0.0554648791	0.0153483044
## 137	-0.0202091666	0.0376527854	-0.0404164810	0.0523589055	0.0074154453
## 138	-0.0277998647	0.0338108986	0.0167840192	0.0216902642	-0.0004152576
## 139	0.0058909446	0.1078375747	-0.0092926037	-0.0438893644	0.0111498859
## 140	0.0570530915	-0.0570757708	0.0507677748	0.0476237915	-0.0472782043
## 141	0.0292289099	0.0198049035	-0.0122439906	-0.0072228086	-0.0570302407
## 142	-0.0670968175	-0.0253065697	0.0344022438	-0.0206234469	-0.0076787068
## 143	0.0264404703	0.0444713578	0.0185770586	-0.0437606587	-0.0698604630
## 144	-0.0686053243	0.0138143213	-0.0086389296	-0.0319031387	0.1537044095
## 145	-0.0375829813	-0.0120296372	0.0552223026	0.1111174739	0.0737533700
## 146	0.0121031343	-0.0735641692	0.0129618782	-0.0642452960	-0.0193658440
## 147	-0.0436368286	-0.0219203696	0.0759941645	-0.0264184834	-0.0057290130
## 148	0.0679269894	-0.0493200323	-0.0364386195	0.0226692262	-0.0274846249
## 149	-0.0436775814	0.0749656576	-0.0456592988	-0.0640181749	-0.0163354044
## 150	-0.0574950733	-0.0055555650	0.0155420880	0.0506483959	0.0396044339
## 151	-0.0042262145	-0.0177763875	-0.0688055671	0.0810946517	0.0549946376
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## 155	0.0369434844	-0.0239983420	-0.0509994932	0.0269035977	-0.0082653979
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## 159	0.0004539698	-0.0476632365	0.0954155958	-0.0139840828	0.0095613854
## 160	-0.0147495450	0.0456260533	-0.0149042533	-0.0321687912	0.0350441472
## 161	-0.0106619773	0.0475386319	-0.0093218132	-0.0348348212	0.0259639794
## 162	0.0239125670	-0.0159434847	0.0042963549	0.0274216737	0.1055750310
## 163	0.0111989923	0.0315700330	0.0722946596	0.0047877130	-0.0915270457
## 164	0.0039139724	0.0068964993	-0.0176924016	0.0122723712	-0.0070024168
## 165	0.0476340209	-0.0593393451	0.0340927134	0.0156180811	-0.0315165438
## 166	-0.0425198385	-0.0283346055	0.0464928855	-0.0053594145	-0.0834370207
## 167	-0.0213145889	0.0165605465	-0.0444830654	0.0405838421	0.0166078626
## 168	0.0405011707	-0.0318264934	-0.0125890245	-0.0310371401	0.0047808960
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## 170	0.0530365677	-0.0051119452	0.0471896535	0.1039912465	-0.0036818422
## 171	0.0296018673	-0.0234428598	-0.0389395895	-0.0152409332	-0.0355960515
## 172	0.0376526272	0.0542918258	-0.0029008560	-0.0331429111	-0.0285368806
## 173	0.0779606270	-0.0377138442	0.0490974666	-0.0085948876	-0.0017080559
## 174	-0.0213147228	-0.0050771061	-0.0015731259	0.0210751705	-0.0922466224
## 175	0.0321774007	-0.0333348916	-0.0364021497	-0.0217644470	0.0030624476
## 176	0.0103594838	0.0257436011	-0.0253907941	-0.0681934182	-0.0342257281
## 177	-0.0563698444	0.0150023916	-0.0421104553	-0.0424117019	-0.0032103811
## 178	-0.0422097972	0.0135617736	-0.0169467299	0.0001750155	-0.0003936068
## 179	0.0232647935	-0.0227182989	-0.0217904172	-0.0306390724	0.0501394731
## 180	0.0701536636	0.1151289525	0.1193237231	-0.0473809658	-0.0352850274
## 181	-0.0186432007	-0.0551490552	0.0732252135	0.0110766535	0.0137520684
## 182	0.0165286354	0.0094230104	-0.0330106884	-0.0010514017	0.0595603587
## 183	-0.0101566191	-0.0124045268	0.0427714448	0.0539064573	0.0083514517
## 184	0.0117433169	0.0370589685	0.0293083135	0.0145235742	0.1242487416

## 185	-0.0490913985	0.0538076166	-0.0213549455	0.0191335942	0.0062608465
## 186	-0.1200691509	-0.0364548583	0.0342005409	-0.0510897966	-0.0323779442
## 187	-0.0174095703	-0.0307153555	0.0239993148	-0.0104474532	-0.0507891105
## 188	0.0389454968	0.0216029170	-0.0358785368	0.0169017267	-0.0234677102
## 189	0.0356246050	0.0304486071	-0.0388733650	-0.0089131418	0.0888791188
## 190	-0.0304437210	0.0787850660	0.0086328839	-0.0458480151	-0.0142003004
## 191	-0.0388059087	-0.0552408071	0.0217336932	-0.0238751599	-0.0779501196
## 192	-0.0147004377	0.0307368953	0.0129351787	0.0717882293	-0.0400710995
## 193	-0.0077393107	0.0539005525	0.0168511632	-0.0126086673	0.0665606925
## 194	-0.0181019517	0.1030033990	0.0314877971	-0.0617755616	0.0048203655
## 195	0.0726831657	0.0214377890	-0.0645703532	-0.0452225851	0.0378512992
## 196	0.0233246226	-0.0557121817	0.0069679917	0.0125183699	0.0384833682
## 197	-0.0204331842	-0.0537609793	-0.0435241561	-0.0963055458	0.0208524964
## 198	0.0554649885	0.0583284353	-0.0147333970	-0.0458025117	0.0171987733
## 199	-0.0399248975	0.0042061282	0.0347842921	0.0546622646	0.0158212810
##	V266	V267	V268	V269	V270
## 1	0.0775376255	0.0140871680	-0.0790051154	5.491232e-03	4.618245e-02
## 2	0.0404870019	-0.0176012462	0.0312855756	-3.543644e-02	-2.880146e-02
## 3	0.0326680958	0.0669767420	-0.0015727525	-4.646003e-02	5.729910e-02
## 4	0.0237812948	-0.0487588078	-0.0107973561	-3.941808e-02	2.205176e-02
## 5	-0.0341189523	0.0614884087	0.0653970930	9.896148e-02	3.885394e-02
## 6	-0.0416193038	0.0113577160	0.0459545280	3.571289e-05	2.463502e-02
## 7	-0.0203147460	-0.0006075866	0.0486280679	-1.094937e-03	-3.378768e-02
## 8	0.0285155350	0.0931310710	-0.0389987894	4.922794e-02	1.499427e-02
## 9	0.0333488581	0.0631391238	0.0489637784	-8.287452e-02	-8.637053e-02
## 10	0.0371255174	0.0540239299	0.0024276696	1.758302e-02	-2.760284e-02
## 11	0.0024264968	-0.0344498190	0.0437901231	-7.195799e-02	-2.982181e-02
## 12	0.0021081525	-0.0095424964	-0.0853410745	2.425287e-02	-7.537334e-02
## 13	0.0402721711	0.0706226857	-0.0060276099	-8.322572e-02	4.429231e-02
## 14	-0.0333840634	0.0286866269	0.0370606836	-8.121526e-02	1.553979e-02
## 15	-0.0401794060	0.0494772619	0.0279646303	-5.677399e-03	1.175482e-02
## 16	-0.0876097266	0.0149978994	0.0895952510	-5.955262e-03	3.231510e-03
## 17	-0.1114162155	0.0333953332	-0.0172417307	-7.887479e-02	-9.328377e-02
## 18	-0.0102445444	-0.0175518421	0.0041025264	-2.671366e-02	-6.833909e-03
## 19	-0.0245916092	0.0173384678	0.0857592268	-4.426706e-02	2.903141e-03
## 20	-0.0132834637	-0.0113753370	0.0059768417	5.161383e-02	4.518712e-02
## 21	0.0087165546	-0.0150761374	0.0047967114	1.910999e-02	-1.911110e-02
## 22	-0.0081552926	-0.0131225581	-0.0388197548	2.319419e-03	1.638300e-02
## 23	0.0197539001	-0.0381203098	-0.0363506600	3.852823e-02	4.759165e-02
## 24	0.0196932925	-0.0508279511	-0.0200271155	-6.341737e-02	-2.589861e-02
## 25	0.0110356811	0.0984124915	0.0174555438	-5.013083e-02	2.023286e-02
## 26	-0.0122074511	-0.0662782799	-0.0157389426	6.370291e-03	2.578006e-02
## 27	0.0003459147	0.0067317757	0.0098541314	-1.976768e-03	9.953166e-02
## 28	0.0413778746	-0.0103500924	0.0630555006	-2.375978e-02	-1.229807e-01
## 29	0.0324808192	0.0501100870	0.0196029713	5.115811e-03	-3.848197e-02
## 30	-0.0429589994	-0.0166846527	-0.0357708011	5.772588e-02	1.929396e-02
## 31	0.0258067536	0.0442370102	-0.0479420425	3.738072e-02	-3.755725e-02
## 32	-0.0465603244	0.0764623149	0.0466510729	3.148331e-02	1.288620e-03
## 33	-0.0361628759	-0.0153859194	0.0333603729	-3.161947e-04	2.336233e-02
## 34	0.1127538307	-0.0130485257	0.0109851279	-4.345533e-02	2.687897e-02
## 35	-0.0164148914	0.0631016078	-0.0106700305	-3.347292e-02	-3.118614e-03
## 36	0.0192150544	0.0231373863	0.0147861379	-8.453871e-02	-4.244163e-02
## 37	0.0604225235	-0.0054537332	0.0134131986	2.910043e-02	-1.056406e-01
## 38	-0.0134535985	0.0132398636	-0.0247582294	4.303966e-02	9.214494e-02

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## 39 -0.0294123184 -0.0310394835 0.0768251682 7.308945e-02 2.796328e-03
## 40 -0.0172022136 -0.0382856079 -0.0436686772 8.918953e-03 -3.301330e-03
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## 45 -0.0083377113 0.0086866293 0.0248146883 -2.727068e-02 2.818278e-02
## 46 -0.0387378681 0.0465873046 0.0194995638 -4.824697e-02 7.368152e-03
## 47 -0.0971837158 0.0248021498 0.0147820009 2.740568e-02 -2.245039e-02
## 48 -0.0199963876 -0.0538168633 -0.0668109442 -6.685529e-02 5.163789e-02
## 49 -0.0237667715 0.0495854593 0.0273467309 -2.001409e-02 5.863692e-02
## 50 -0.0024372779 0.0080141165 -0.0439168811 1.454042e-02 -5.828444e-02
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## 58 0.0345012322 0.0099881716 -0.0597656965 -2.368123e-02 -4.978871e-02
## 59 0.0871958101 -0.0240324051 0.0760739369 7.193739e-02 -3.386615e-02
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## 71 -0.0400153249 -0.0037171303 0.0183069994 -1.552518e-01 4.619673e-03
## 72 -0.0181430276 -0.0974826658 -0.1338651906 -1.996598e-02 -3.461427e-02
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## 75 0.0623126124 0.0177500758 -0.0520138194 -7.466292e-02 -1.097065e-01
## 76 -0.0378950336 -0.0099126121 0.0261457279 -2.721357e-02 2.594189e-02
## 77 0.0295548635 -0.0102527673 0.0453110567 -6.456014e-03 1.197546e-02
## 78 0.0686207909 0.0393184416 -0.0293481497 -2.418866e-02 2.636538e-02
## 79 -0.0151369038 0.0170847200 -0.0174323124 1.644748e-02 2.237506e-02
## 80 -0.0301517549 0.0174032996 0.0367928798 -8.656937e-03 3.200067e-02
## 81 0.0299258822 0.0047581910 -0.0616766360 -2.411176e-04 7.036376e-02
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## 93 -0.0030173827 -0.0246012820 -0.0198120249 4.299443e-02 3.503714e-02
## 94 0.0822501912 0.0156053657 -0.0691642638 -7.400496e-03 -5.219782e-02
## 95 0.0477518520 0.0300399724 -0.0205023035 -1.418677e-02 1.573583e-02
## 96 0.0166282753 0.0301007748 0.0669937072 -6.609436e-02 3.763675e-02
## 97 -0.0559520708 -0.0079228804 -0.0808573942 -4.080935e-02 1.698974e-02
## 98 -0.0062701982 0.0173562690 0.0146949799 -1.365344e-02 -1.238360e-01
## 99 -0.0091222111 -0.0662033007 -0.0701131708 4.725851e-03 -1.287033e-01
## 100 -0.0397859233 0.0494190431 0.0230221382 3.305740e-02 2.695797e-03
## 101 0.0263614823 0.0798401962 0.0337080776 -3.392500e-02 -4.713931e-02
## 102 -0.0457987929 0.0005907715 -0.0036917735 -3.451726e-03 -2.017898e-03
## 103 -0.0217205430 0.0005265415 -0.0029542735 -1.867128e-02 -1.291499e-02
## 104 -0.0360610370 -0.0070036839 -0.0061175175 -3.117129e-02 -6.436553e-02
## 105 0.0229268628 -0.0165096827 -0.0110706384 -1.630575e-02 2.208233e-02
## 106 -0.0095813234 -0.0364804502 -0.0192117725 1.235905e-01 4.457924e-02
## 107 -0.0144430783 0.0220806103 -0.0666113957 8.966491e-03 -1.285018e-03
## 108 0.0908209867 -0.0217486124 -0.0388443369 1.263053e-01 -2.333138e-02
## 109 -0.0004289477 -0.0604954388 0.0003999958 2.055659e-02 3.602132e-03
## 110 0.0446061466 0.0566315790 -0.1257331189 1.456217e-02 -3.571277e-02
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## 112 -0.0103664371 -0.0011036248 -0.0194639627 5.693410e-02 -2.119796e-03
## 113 0.0282141632 -0.0123266740 0.0251189241 -1.367927e-02 2.392599e-02
## 114 -0.0229387117 0.0429395401 0.0724306120 -5.171446e-02 -5.347504e-02
## 115 0.0217872369 -0.0954913315 0.0890417857 3.565088e-02 -5.499827e-02
## 116 -0.0079080614 0.0630407376 0.0641657521 9.621092e-03 -5.302460e-02
## 117 0.0133093715 0.1082494002 0.0682503339 8.614372e-02 -2.292370e-02
## 118 0.0444356683 0.0692523362 0.0814359462 -2.834725e-03 4.316234e-02
## 119 0.0074256555 -0.0606675100 0.0146839327 -6.232107e-02 2.812610e-02
## 120 0.0002871863 0.0071211967 -0.0050783476 5.736807e-02 5.211517e-02
## 121 0.0680083186 0.0797123248 -0.0166453646 4.511987e-02 1.176335e-02
## 122 -0.0248543301 0.0219826153 0.0392252121 3.873026e-02 4.751781e-02
## 123 -0.0104217608 0.1183146954 0.0585686904 8.277647e-02 2.771044e-02
## 124 0.0699385015 0.0394299722 -0.0227333964 -8.022936e-02 -6.522860e-04
## 125 0.0381791906 0.0569160865 -0.1048165058 2.319974e-02 -1.742117e-02
## 126 0.0415798735 0.0370380428 -0.0340068567 -1.052667e-02 8.672620e-03
## 127 -0.0159776848 0.0846061722 0.0084942792 -2.096346e-03 2.471608e-03
## 128 -0.0413672614 -0.0389226110 -0.0714559418 -1.483439e-02 -2.848674e-02
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## 130 0.0247253035 -0.0537737754 0.0455125259 4.230693e-02 -3.190877e-02
## 131 0.0587379046 0.0581030327 -0.0023941090 3.044936e-02 -1.106321e-01
## 132 0.0532887845 0.1064530994 0.0637600242 6.295476e-02 9.136542e-02
## 133 -0.0263584587 0.0076163746 -0.0225447215 -8.538426e-02 -1.127243e-01
## 134 -0.0440354881 -0.0448479964 0.0298017104 4.000231e-03 3.440327e-02
## 135 0.0652514545 0.0082639669 -0.0509943730 -6.424583e-02 4.635463e-02
## 136 -0.0284947960 -0.0223311363 -0.0383660232 5.982186e-02 2.358820e-03
## 137 0.0309663619 0.0335002334 -0.0085958096 -4.079992e-02 -5.023700e-02
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## 141 0.0446134890 0.0421605376 -0.0337899964 3.106307e-02 -9.405187e-03
## 142 -0.0489291558 -0.0598915070 -0.0065944111 9.799712e-02 -1.043638e-01
## 143 -0.0451370128 -0.0034791954 0.0018036932 -6.542784e-02 2.908389e-03
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## 145 -0.0965461968 0.0430667128 0.0229590516 1.301929e-02 -1.546111e-02
## 146 -0.0470765945 0.0109080172 0.0350376973 -1.426536e-02 1.962689e-02

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## 147	-0.1095253136	-0.0383215999	-0.0393990054	5.374746e-02	7.999885e-02
## 148	0.0295081746	0.0272971610	-0.0619099868	2.609224e-02	4.229928e-02
## 149	-0.0060547196	-0.0265443980	0.0600851986	3.153562e-02	3.844505e-02
## 150	0.0422070455	0.0079812340	-0.0573120547	1.268494e-04	-3.145931e-02
## 151	-0.0247289514	0.0951557375	-0.0460773267	4.393019e-03	-1.893244e-02
## 152	0.1157970336	-0.1090786641	-0.0354176538	-6.059171e-02	4.608573e-02
## 153	0.0514360368	-0.0538207714	-0.0350345931	1.004468e-01	1.727567e-02
## 154	0.0160698569	0.0306623722	0.0271191577	1.579493e-02	-1.990955e-02
## 155	0.0822982383	0.0781659483	-0.0985506810	-7.911077e-03	2.577177e-02
## 156	-0.0199226552	0.0023296453	-0.0421588432	1.674831e-02	-1.298373e-02
## 157	-0.1127796138	-0.0407659336	0.1471895096	-4.288818e-02	-4.961755e-02
## 158	0.0333218682	0.0040339031	0.0196456905	-2.865369e-02	6.920415e-02
## 159	-0.0201530618	-0.0546348463	-0.0053931854	-2.509018e-02	1.315855e-02
## 160	0.0381808489	-0.0204129216	-0.0013425447	4.731471e-02	2.672907e-02
## 161	-0.0248880902	-0.0617211737	0.0321474009	8.672617e-02	-4.816813e-02
## 162	0.0219985419	0.0413316227	0.0144527706	2.850489e-02	5.726821e-02
## 163	0.0118331735	0.0052864133	-0.0559566716	4.091133e-02	3.428229e-02
## 164	0.0128104845	-0.0193354620	-0.0458761529	3.548859e-02	4.894962e-02
## 165	-0.0043373543	0.1062382234	-0.0359842537	8.002235e-03	5.148507e-02
## 166	-0.0051851917	0.0155217550	0.0573497077	1.700204e-02	4.596738e-02
## 167	0.1031238984	-0.1224826967	0.0088627571	2.991597e-02	1.908813e-02
## 168	-0.0233131422	-0.0580435671	0.0208651484	-5.245689e-02	1.784009e-02
## 169	-0.0475350781	0.0312249553	-0.0210207971	-2.471441e-02	1.421309e-02
## 170	0.0605803449	-0.0411978876	0.0288566870	-1.911775e-02	-8.250043e-03
## 171	0.0292079463	0.0292397889	-0.0038744680	-2.347306e-02	-5.403694e-02
## 172	0.0035663793	-0.0039749015	0.0313526181	-1.841839e-02	6.232668e-03
## 173	0.0379138185	-0.0056542776	-0.0270116539	5.186447e-02	-5.461377e-02
## 174	-0.0110057977	0.0121311638	-0.0290345143	2.468113e-02	2.101312e-03
## 175	-0.0015238405	-0.0292276325	0.0058204852	-5.739234e-02	-2.816802e-02
## 176	0.0842527548	0.0242878591	-0.0388968142	-3.608047e-02	-4.483663e-02
## 177	-0.0348286788	0.0593445652	-0.0546377834	3.221027e-02	-2.607978e-02
## 178	0.0220440503	-0.1098460894	-0.0337062090	8.118278e-03	4.228743e-05
## 179	0.0443837029	0.0688451985	-0.0369217304	1.181391e-01	-3.840696e-02
## 180	-0.0412311581	-0.0338256819	0.0473016738	-1.255392e-02	-1.524670e-02
## 181	0.0476720043	0.0344820820	0.0148284705	-3.370449e-02	-4.360449e-02
## 182	-0.0342872868	0.0320587804	-0.0445104623	-4.122410e-03	-6.450245e-02
## 183	0.0164101510	0.0080781190	-0.0244468210	-5.781464e-02	-2.720202e-03
## 184	0.0060726344	-0.0117207487	-0.0688587256	2.575172e-02	2.431210e-02
## 185	-0.0021037341	-0.0022060378	-0.0138370297	-2.249721e-02	-3.676746e-02
## 186	0.0142920915	-0.1166697005	0.0261840556	5.323112e-03	1.708058e-02
## 187	0.0346444057	0.0040408319	0.0145258493	4.808088e-02	-3.551837e-03
## 188	0.0480093110	-0.1243321367	-0.0029342760	4.831374e-02	4.038659e-02
## 189	-0.0576290791	-0.0824145505	-0.0717136984	-2.967053e-02	2.572326e-02
## 190	-0.0958368593	-0.0911095190	0.0100636126	4.582432e-02	6.048669e-02
## 191	0.0280368189	0.0272010597	-0.0354383966	1.354844e-02	-1.374407e-02
## 192	-0.0726695530	-0.0449323533	0.1036288794	-6.770512e-02	-3.409048e-03
## 193	-0.0447898870	0.0002011341	-0.0239628797	7.253351e-02	-8.228096e-02
## 194	-0.0139853328	-0.0157601614	0.0027008905	5.571463e-03	3.572454e-02
## 195	0.0011337973	-0.0414938980	0.0112180639	1.918068e-02	-2.370560e-02
## 196	0.0108360215	-0.0054463799	0.0074130469	-3.400505e-02	-4.567848e-02
## 197	0.0775742118	-0.0326598758	-0.0227812040	-9.637337e-02	4.544171e-02
## 198	0.0336713266	-0.0592066005	0.0766190729	-7.249137e-02	2.683844e-02
## 199	-0.0462275743	0.0024687928	0.0424208942	4.383530e-02	-1.109398e-02
##	V271	V272	V273	V274	V275

## 1	0.0638657357	-0.0472498264	-0.039926367	-0.0124376970	-0.0287815359
## 2	0.0876072995	0.0061037083	0.031731019	-0.0510442760	-0.0486836055
## 3	0.0077033335	0.0498866191	-0.041313451	-0.0077824647	-0.0620175593
## 4	0.0515465345	0.0150643105	-0.010927346	0.1214529584	0.0221581220
## 5	0.0223881849	0.0285647929	-0.025285085	0.0814947878	0.0199491362
## 6	0.0593870694	-0.0112126123	0.053097123	-0.0956539297	-0.0350493942
## 7	0.0071098329	0.0205342930	0.028603739	-0.0691417405	-0.0309130042
## 8	-0.0470920838	0.0307389652	0.012938551	0.0309559250	-0.0763086209
## 9	-0.0184464939	0.0141265544	-0.043020867	0.0567030395	0.0958614300
## 10	-0.0144781462	0.0809817273	0.043954922	-0.0418544821	-0.0410465676
## 11	-0.0170669476	-0.0879949540	-0.015650203	-0.0291168588	-0.1232643226
## 12	0.0236103210	0.1136937787	0.001624184	-0.0134465752	-0.0800051857
## 13	0.0270490660	0.0019990814	0.095142078	0.0016521194	-0.0198014803
## 14	-0.0669562816	0.0480309357	-0.010631444	0.0494008972	-0.0631394487
## 15	-0.0353134619	-0.0892927637	0.066505542	0.0202665333	-0.0742324402
## 16	0.0623975269	-0.0445188673	-0.004378803	0.0256965761	0.0529902049
## 17	0.0494041946	-0.0225296251	0.017941427	0.0531789024	0.0302307983
## 18	0.0054099468	-0.0483013518	-0.002714911	0.0369428290	0.0501614335
## 19	0.0627368417	-0.0129926113	0.035840007	-0.0017803413	-0.0315774588
## 20	-0.0273588792	0.0038129488	-0.012087611	-0.0741629456	0.0455578100
## 21	0.0390681291	0.0303277691	0.066296100	-0.0624468332	-0.0390986998
## 22	0.0168809621	-0.0787884408	0.067661391	-0.0599565910	-0.0201655809
## 23	0.0588029872	0.0549169266	0.026934688	-0.0328125081	-0.0052198358
## 24	-0.0225417615	0.0466469769	0.018492355	0.0445097557	0.0271187530
## 25	-0.0983998421	-0.0513035443	-0.093860527	-0.0203156533	-0.0492597609
## 26	0.0221342361	-0.0531179184	-0.007758591	0.0015204768	0.0110283691
## 27	-0.0488508493	0.0717464921	0.026186437	0.0536568690	-0.0462728556
## 28	-0.0167251309	0.0156478439	0.045787842	0.0362537671	-0.0713100446
## 29	-0.0060412677	0.0037669343	0.051670783	0.0852998494	0.0246056596
## 30	-0.0269115002	-0.0601878152	-0.053195378	-0.0283990680	0.0372287823
## 31	0.0225200472	-0.0698471762	0.097680941	-0.0107800584	0.0097746102
## 32	0.0244861462	-0.0954368946	0.050914739	0.0740168318	0.0200601476
## 33	0.0566325760	-0.0523550719	0.044398148	0.0594070441	-0.0480081718
## 34	0.1159972942	-0.0207044239	-0.067817073	-0.0332223826	0.1140229659
## 35	0.0358341784	0.0481012782	-0.001344881	0.0404573847	0.0013682530
## 36	-0.0529717896	-0.0092834827	0.040556337	-0.0259670925	0.1143603539
## 37	-0.0211687880	-0.0353359100	0.012671512	0.0222356516	0.0553710682
## 38	-0.0895670588	0.0081695289	0.026389099	0.0437965002	0.0368990825
## 39	-0.0297358257	-0.0295998955	-0.010225768	-0.0223456521	-0.0199387254
## 40	0.0071167731	0.0877181453	-0.040469756	-0.0113056403	-0.0140271615
## 41	-0.0159682829	-0.0201923812	-0.013030138	-0.0060181729	-0.0346487189
## 42	0.0093885234	-0.0041789115	-0.031162292	-0.0149645233	0.0662804828
## 43	0.0022070910	-0.0236804676	0.040331349	-0.0144746548	0.0431297754
## 44	0.0844824442	0.0301936822	-0.017753424	-0.0061997121	0.0321010406
## 45	0.0190496369	0.1062670941	0.021784082	0.0639176082	-0.0909995752
## 46	-0.0191564590	0.0307618785	0.035553582	-0.0050583133	0.0510586135
## 47	-0.0130120126	-0.0027571753	-0.047572100	-0.0364156489	0.0051521778
## 48	0.0635751540	0.0310022662	-0.012530090	0.0549539588	0.0423648906
## 49	0.0143147586	-0.0397149240	-0.077835561	0.0523962415	0.0124488094
## 50	-0.0117729985	0.0178941086	-0.004489464	0.0402905398	0.0217144323
## 51	-0.0218776358	-0.0063573299	-0.053714239	-0.0028891081	-0.0060260346
## 52	0.0282709777	-0.0134538427	-0.030537054	-0.0069397991	0.0437239894
## 53	0.0085683183	-0.0052328510	0.062661071	-0.0694571818	0.0827317864
## 54	0.0969139028	-0.0413869531	0.029175841	-0.1016685081	-0.0404377920

## 55	0.0029136684	0.0210833618	0.005164634	0.0196934644	0.0899359913
## 56	0.0013591659	-0.0635120549	-0.003576089	0.0208569553	0.0075849096
## 57	-0.0486984685	-0.0651707531	0.037453303	-0.0098156921	0.0040677768
## 58	-0.0128731961	-0.0311427245	0.112824840	0.0639725827	0.0386858013
## 59	0.0743172036	0.0017799765	0.021129708	0.0114232248	0.0751740554
## 60	-0.0570083597	0.0363098842	0.033758602	0.0027314255	0.0432160087
## 61	-0.0369306024	0.0847696356	-0.051815434	0.0188802850	0.0350324537
## 62	0.0468142055	-0.0304373561	0.019735428	-0.0057605617	-0.0019069016
## 63	0.0116013435	0.0174370988	-0.027996704	0.0104888791	-0.0155371550
## 64	-0.0556430565	0.0184653293	0.011535802	0.0541755894	-0.0526867349
## 65	0.0001240504	-0.0209757301	0.017023002	-0.0383296856	-0.0386062948
## 66	0.1158879323	0.0227484912	0.018714912	-0.0800401405	-0.0276508791
## 67	-0.0448450951	0.0636513620	-0.022282793	-0.0433190366	0.0650896010
## 68	0.0289760014	0.0391464390	0.032410594	-0.0600753815	-0.0294872680
## 69	-0.0325938290	-0.0090043207	0.077818027	0.1064775096	-0.0711991527
## 70	-0.0252862961	0.0260268249	-0.012599940	-0.0371633119	0.0555247504
## 71	-0.0291504151	0.0389105465	0.061077871	-0.0392532648	0.0144828862
## 72	0.0504954257	0.0477344759	0.036900597	-0.0194216850	-0.1037546483
## 73	-0.0767446049	-0.0618328663	0.022988746	0.0006936317	0.0276091398
## 74	0.0271931131	-0.0297522086	-0.001130591	0.0393601141	0.0156406052
## 75	0.0521472742	0.0496307910	-0.023332699	0.0039760101	0.0362701152
## 76	0.0575727344	-0.0621047144	-0.013889124	-0.0553785701	-0.0094603177
## 77	0.1184332284	0.0008729973	-0.052500027	-0.0768785866	0.0777938258
## 78	-0.0034879055	-0.0828948205	-0.046725877	-0.0767891520	0.0066197604
## 79	-0.0169298544	-0.0570512059	-0.022500013	-0.0417546626	0.0497694272
## 80	0.0027141342	0.0686928461	-0.009510208	-0.0543254970	0.0613565623
## 81	0.0827834696	0.0241483422	0.016203098	-0.0226577959	0.0258556354
## 82	-0.0016954064	-0.1041971443	-0.065667003	-0.0027364169	-0.0774297385
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## 85	-0.0163005869	-0.0143261522	-0.050797393	0.0182325741	0.0251212334
## 86	-0.0177081324	0.0589666504	-0.002293575	0.0837658898	-0.0079765002
## 87	0.0332593471	0.0539311975	0.032887223	-0.0207907687	0.0050234389
## 88	-0.0242302781	-0.0022139375	0.006366869	-0.0278274927	-0.0335848609
## 89	0.0089208371	-0.0037850139	0.018132430	0.0092035928	-0.0336252229
## 90	0.0874050097	-0.0071555076	0.001242149	0.0173573707	0.0094907954
## 91	-0.0177739619	0.0858268101	0.043505568	-0.0216818974	0.0238845335
## 92	-0.0979251537	-0.0271246517	0.029360561	-0.0348912409	0.0065485297
## 93	0.1058997571	0.0429555379	0.011201921	0.0480805457	0.0172971016
## 94	-0.0174748502	0.0023643189	-0.020391407	-0.0135741116	0.0020142357
## 95	-0.1396261737	0.0302695707	-0.030211907	-0.0103611024	0.0073249607
## 96	-0.0303099011	-0.0150381232	0.006548784	-0.0434712783	0.0194364313
## 97	-0.0065401388	0.0142436605	0.012877263	0.0995019256	0.0113471574
## 98	0.0286571171	-0.0532148663	-0.023939351	0.0817196571	0.0154349716
## 99	-0.0224842991	0.0234377495	-0.034672493	-0.0014467006	0.0001110206
## 100	-0.0173075846	-0.0157154169	-0.004314226	0.1196998704	0.0305238241
## 101	0.0644917647	0.0653214126	0.099292138	0.0031170651	0.0458400399
## 102	0.0504275325	0.0284211576	0.001449386	0.0284496748	-0.0654894410
## 103	0.0489810611	0.0172552923	-0.041846818	0.0010993604	-0.0250597957
## 104	-0.0718137939	-0.0192498410	-0.015608449	0.0682596505	0.0017224397
## 105	-0.0404172147	0.0051370069	0.030021347	0.0757104218	-0.0086194978
## 106	0.0121344048	0.1056520941	-0.038300555	0.0225302603	-0.0199983168
## 107	-0.0397335884	-0.0302826944	-0.032882172	-0.0759398029	0.0226241663
## 108	-0.0312065274	-0.0484831493	-0.011115429	0.1060484644	0.0306754824

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## 109 -0.0109503740 -0.0273042110 0.013328563 -0.0245817569 -0.0445372782
## 110 -0.0090370888 0.0517006771 -0.048071134 -0.0884872164 0.0374916786
## 111 -0.0027074375 0.0468403062 -0.104742259 0.0062313428 0.0434717855
## 112 -0.0224915820 0.0851550692 0.052266416 -0.0254055748 0.0684527047
## 113 -0.0309639473 -0.0023129636 -0.006107093 0.0084938412 -0.0365857213
## 114 0.0013147361 -0.0584802709 -0.024854231 -0.0100925285 0.0877781500
## 115 -0.0150425704 0.0169688490 -0.062045244 0.0002602477 0.0080606655
## 116 0.0806856343 0.0150386922 -0.042681846 0.0041796939 0.0856256121
## 117 0.0772815055 0.0039024742 -0.055056190 -0.0095988633 0.0289781358
## 118 0.0394346116 0.0135923123 -0.044305112 -0.0595530488 -0.0145841663
## 119 -0.0039623551 0.0116598826 -0.029202664 0.0057679908 -0.0622826991
## 120 -0.0412083851 -0.0242704910 0.076894325 -0.0080456400 -0.1361162053
## 121 -0.0105958299 -0.0210024821 -0.062547249 -0.0347312666 -0.0074392503
## 122 -0.0427917022 0.0148998249 0.030897275 0.0241564505 -0.0193827713
## 123 0.0669092083 -0.0607674801 -0.021748923 0.0272438655 0.0528157122
## 124 -0.0164698470 -0.0119591705 -0.080370232 -0.0265475735 0.0337204995
## 125 0.0311678404 0.0814853195 0.094007789 0.0559264296 0.0281286697
## 126 0.0833589836 0.0138057157 -0.005422734 0.0067894310 -0.0795234076
## 127 0.0342799318 -0.0130665252 0.053079981 -0.0165168525 -0.0052608262
## 128 -0.0452418231 0.1154597882 0.075398624 0.0235240749 -0.0542881264
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## 132 0.0271801152 0.0029251425 0.025484914 -0.0009051010 0.0188531563
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## 146 0.0408520640 0.0026111299 0.078723154 0.0039499728 0.0367661937
## 147 0.0410903307 -0.0462031571 0.037736926 0.0634779767 0.0201098083
## 148 -0.0503039190 0.0022637288 0.090744430 -0.0151458692 0.0748607185
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## 151 -0.0427247728 -0.0689902983 -0.015530408 -0.0101026425 -0.0256260823
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## 163 -0.0068069139 -0.0186399821 0.010197673 0.0446868250 -0.0266626227
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## 182 0.0643221477 0.1199313542 0.033909810 0.0011364763 -0.0197981982
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## 190 0.0772086531 -0.0251634705 -0.117530426 -0.0126112675 0.0344719154
## 191 0.0161215677 0.0221620281 0.005264499 0.0513428311 0.0016236285
## 192 -0.0150100648 -0.0009285671 -0.105545790 -0.0056167624 0.0128648143
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## 196 -0.0624479446 -0.0376686467 -0.031161767 0.0340919697 -0.0129908593
## 197 0.1053025317 -0.0188614678 0.047917195 0.0681864710 0.0084252964
## 198 -0.0046690722 0.0002149761 -0.012974255 -0.0237579943 -0.0098946218
## 199 -0.0732799251 0.0791644932 0.039381758 -0.0493539012 -0.0394113380
##          V276          V277          V278          V279          V280
## 1  3.709523e-03 -0.0228914502 2.061696e-02 -0.0424701043 -0.0465654451
## 2  1.484817e-02 -0.0634922169 -2.587290e-02 0.0968241362 -0.0528843128
## 3 -6.671503e-02 -0.0047202941 -3.950770e-02 0.0472520946 0.0125429504
## 4  7.997356e-02 -0.0961847495 2.087721e-02 0.0055989577 -0.0295918337
## 5  4.379956e-02 -0.0086634168 6.459513e-02 -0.0044287178 0.0419861524
## 6  5.199360e-03 -0.0078149859 4.860045e-02 0.0717732078 -0.0416319012
## 7 -4.929277e-02 -0.0346139193 -1.372015e-01 -0.0185834674 -0.0322295095
## 8 -1.738317e-02 0.0068573790 -2.780673e-03 0.0022982261 0.0212555418
## 9 -2.177882e-03 0.0284009118 7.623379e-02 0.0313705219 -0.0349756060
## 10 -1.813437e-02 -0.0183404722 5.376846e-02 0.0772424454 -0.0948492505
## 11  5.441409e-03 -0.0045421783 7.044215e-02 -0.0183844072 -0.0059407066
## 12  4.011380e-02 -0.0596782509 -2.166768e-02 0.0373019235 0.0628733662
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## 14 -1.021118e-02 -0.0004379074 -1.026610e-01 0.0225665315 0.0056564649
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## 17 -1.199197e-02 0.0688267293 3.077999e-02 -0.0242956883 -0.0104549965
## 18 -1.251962e-02 0.0881088605 -4.537539e-02 0.0358494663 0.0160583834
## 19 8.511573e-02 0.0059768840 2.832726e-02 -0.0195676791 0.0346820700
## 20 -3.692034e-02 -0.0530444324 2.931503e-02 0.0015138139 -0.0427825470
## 21 6.946838e-02 0.0422064484 1.651485e-02 0.0034364021 0.0376461230
## 22 3.846120e-02 -0.0448502362 2.938077e-02 0.0222973426 -0.0098266738
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## 24 7.322581e-03 0.0707464092 2.720345e-02 0.0321747627 0.0338350017
## 25 -4.145960e-02 -0.0363010860 -1.702739e-02 -0.1460300119 -0.0594646053
## 26 5.499731e-03 0.1129234907 -1.834399e-06 -0.1110207211 0.0715942889
## 27 -1.025567e-02 -0.0301739015 -2.553999e-02 0.0084462605 0.0492941726
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## 30 -8.886470e-03 0.0248769750 -2.479715e-02 0.0250457458 -0.0139171758
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## 32 -1.065715e-01 -0.0232101305 -7.345174e-02 0.0053136052 -0.0019531302
## 33 4.874143e-02 0.0499314883 9.471874e-02 -0.0109102425 0.0009681604
## 34 3.666042e-02 -0.0088817001 2.759723e-02 0.0054459474 -0.0401669718
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## 36 -3.515386e-02 0.0630866745 -2.417098e-02 0.0371720638 0.0474680446
## 37 -5.380670e-02 -0.0893204386 5.339408e-02 -0.0506791757 0.0209080019
## 38 2.114001e-02 0.0002907780 4.069382e-02 -0.0690134233 -0.0049131358
## 39 1.229317e-02 -0.0175981429 -1.873872e-02 -0.0533888857 -0.0171426224
## 40 4.199276e-02 -0.0782581562 -9.109922e-02 -0.0360897804 -0.0001685637
## 41 -2.127088e-02 -0.0109579282 -2.663917e-02 0.0395096454 -0.0385167789
## 42 3.981962e-04 -0.0181911515 1.696982e-02 -0.0161858953 -0.0040846702
## 43 -1.867493e-02 0.0043126573 3.958080e-02 -0.0652975227 0.0434466473
## 44 6.741377e-04 0.0080813402 -2.860569e-02 -0.0695430374 0.0189636044
## 45 -5.331904e-02 0.0089971843 5.131648e-02 0.0169524209 0.0149352931
## 46 -1.812276e-02 0.0209282571 -2.902437e-02 0.0011636708 -0.0799138873
## 47 -2.029046e-02 0.0402997920 1.980509e-03 -0.0346867569 -0.0590421555
## 48 1.048832e-01 -0.0131598909 -3.037221e-02 -0.0738439711 0.0137708497
## 49 -4.162266e-02 0.0041562767 -1.176196e-02 -0.1184214159 0.0152470186
## 50 -1.527547e-02 0.0446038769 -3.139185e-02 -0.0238427254 0.0101154706
## 51 1.747830e-03 -0.0329830956 -3.793159e-02 -0.0334980394 0.0760207678
## 52 4.941394e-02 -0.0580054193 1.128075e-03 -0.0122141669 0.0309016020
## 53 1.886646e-02 0.1375426385 -1.412814e-02 0.0433870274 0.0334975795
## 54 1.946781e-02 0.0028117272 4.601699e-02 0.0565347772 0.1066482247
## 55 6.866579e-02 0.0953795389 -3.150136e-02 -0.0015085195 0.0133893678
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## 57 2.219286e-02 0.0146697952 1.926088e-03 0.0294810330 0.0201807183
## 58 -3.223198e-03 0.0188014424 -3.047889e-03 0.1040165910 0.0423222637
## 59 -4.857941e-02 0.0798440843 -4.723329e-02 -0.0198388491 0.0081528250
## 60 -5.179812e-02 0.0649685689 4.722909e-03 -0.0420910616 -0.0262889574
## 61 -5.041341e-02 -0.0038012332 -5.488060e-03 -0.0442085857 -0.0077488988
## 62 -7.355213e-02 -0.0413262297 -2.546069e-02 0.0373300063 0.0158300045
## 63 -8.340306e-02 0.0261920731 3.667017e-02 0.0384951978 -0.0339466004
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## 65 3.633828e-02 0.0364659696 7.894384e-02 -0.0670932001 0.0255037361
## 66 1.333352e-01 -0.0231694632 -1.474073e-02 -0.0154323850 0.0008551814
## 67 -2.274507e-02 -0.0030647638 -8.457293e-02 0.0092708198 -0.0196099804
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## 73	-1.430767e-03	-0.0826891568	2.151069e-02	0.0658030873	0.0116773595
## 74	4.849582e-02	0.0203515603	-2.202299e-02	0.0557359518	0.0355956251
## 75	4.426550e-02	-0.0812159892	1.455791e-02	-0.0045294820	-0.0117837590
## 76	-5.012634e-02	-0.0471873586	-8.339722e-02	-0.0035423433	0.0341414387
## 77	3.247205e-03	-0.0173593102	1.000065e-02	-0.0364082104	0.0308751242
## 78	3.971778e-02	0.0025590973	-6.146159e-02	-0.0420670225	-0.0334189403
## 79	2.487598e-04	-0.0051206276	-4.647934e-02	0.0083946642	-0.0429083881
## 80	-8.125379e-02	-0.0030912050	-4.502940e-02	-0.0282343069	0.0017120367
## 81	1.526435e-02	-0.0344256780	1.077672e-02	0.0059165778	-0.0773498384
## 82	6.482819e-03	0.0241361655	1.319183e-02	0.0204050129	0.0380782986
## 83	-5.275513e-02	0.0068906998	1.397981e-02	-0.0437778593	-0.0332188706
## 84	-4.220090e-02	0.0813849788	1.568366e-02	0.0091649101	-0.1065603318
## 85	2.337911e-02	0.0099764420	1.431904e-02	0.0355552475	0.0120191084
## 86	1.231370e-01	0.0208927484	5.408483e-03	-0.0184585186	-0.0023642746
## 87	-3.006048e-02	0.0115951100	-3.859739e-03	0.0119329947	-0.0241472596
## 88	8.595312e-03	-0.0388620608	-1.385644e-01	-0.0498384614	-0.0015892882
## 89	1.434900e-02	0.0365508093	6.154746e-02	0.0878285123	0.0174849056
## 90	-3.585072e-02	-0.0305875512	7.322805e-02	-0.0509639323	0.0398725935
## 91	3.912744e-02	-0.0267626569	5.928184e-03	-0.0329704971	0.0856734038
## 92	2.529055e-02	-0.0247984296	-5.576821e-02	-0.0281545347	-0.0435178043
## 93	1.556286e-02	0.0228441406	-1.089930e-02	-0.0151913003	0.0800307338
## 94	-8.252076e-03	0.0136768469	4.605777e-02	0.0424549891	0.0205490183
## 95	3.318041e-02	-0.0917684723	3.145903e-02	-0.0505494828	0.0862439400
## 96	8.432217e-02	0.0087066966	6.889710e-02	-0.0474200737	-0.0056387900
## 97	-6.350014e-02	0.0050783748	-1.930576e-03	-0.0441934704	-0.0737961041
## 98	3.656703e-03	-0.0504974555	7.731050e-02	-0.0493316200	0.0728413798
## 99	-2.964816e-03	0.0417534336	4.503864e-03	0.0527235619	0.0221021745
## 100	-5.234443e-02	-0.0281051556	9.288103e-03	0.0166100192	-0.0397549775
## 101	-1.064820e-01	0.0699207780	3.961189e-02	0.0054791766	0.0576720450
## 102	2.849904e-02	0.0783834172	6.508786e-02	0.0164457789	-0.0370818394
## 103	4.949775e-02	-0.0320714737	5.096845e-02	-0.0361662093	0.0253872818
## 104	7.648667e-02	-0.0265725963	-8.008767e-03	-0.0750470928	-0.0873837283
## 105	-2.699457e-02	-0.0178270917	6.156086e-02	-0.0326491808	-0.0135958865
## 106	2.452465e-02	0.0515813424	6.964453e-02	0.0002806618	0.0178103785
## 107	-4.759497e-02	-0.0324078158	3.374156e-02	-0.0104458260	-0.0794820731
## 108	-6.138253e-02	0.0096948718	5.751705e-03	0.0497392947	0.0158954562
## 109	2.903557e-02	-0.0667103177	2.707549e-02	-0.0365685439	0.0440978964
## 110	6.438682e-02	-0.0574684349	-5.408791e-02	-0.0387947863	0.0315591908
## 111	-4.766592e-02	-0.0124125609	-5.215484e-03	0.0336585568	-0.0117817683
## 112	5.484663e-02	0.0131470587	6.399909e-02	-0.0307123721	-0.0695392520
## 113	4.264744e-03	-0.0692747633	1.683984e-02	-0.0892075545	-0.0191752019
## 114	1.751517e-02	-0.0367377602	-3.927237e-02	-0.1031111127	0.0781191550
## 115	-6.115580e-02	0.0690051304	2.432814e-02	-0.0404475191	0.0248888418
## 116	6.025162e-03	-0.0745158376	-2.702008e-02	-0.0396157352	-0.0331711497
## 117	1.356081e-02	0.0253345783	-4.256990e-02	0.0258626046	0.0042103393
## 118	-2.464275e-02	0.1066894448	3.552513e-02	-0.0029793411	0.0372231127
## 119	-7.902839e-02	-0.0032657922	-3.597834e-02	-0.0203338256	-0.0144800290
## 120	1.202670e-02	0.0491770356	-6.499821e-02	-0.0046608643	-0.0311231904
## 121	-7.668005e-02	0.0349125235	7.497942e-02	0.0762385310	-0.0039856119
## 122	-2.951750e-02	0.0252115346	7.756663e-03	0.0492784890	0.0187712719
## 123	9.763898e-02	-0.0060944070	-4.183813e-02	-0.0623045237	0.0521147272
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## 129 -2.684225e-02 -0.0522813054 -2.497415e-02 0.0262806860 -0.0499735130
## 130 6.344304e-02 -0.0918664348 -2.361743e-02 0.0293870318 0.0235130325
## 131 -7.056606e-03 0.0212582362 5.677607e-02 0.0030966249 -0.0099482275
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## 179	-6.041373e-02	0.0292507642	1.772567e-02	0.1001513387	0.0532457914
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## 188	3.704771e-02	0.0209117464	-7.683731e-04	0.0116121818	0.0615241301
## 189	2.086309e-02	-0.0495974499	-8.231279e-03	-0.0454652015	-0.0211716001
## 190	-4.102811e-02	-0.0664690823	5.883730e-02	0.0257243031	0.0011203878
## 191	-8.788187e-02	-0.0265356994	2.547439e-02	-0.0858636393	-0.0102044878
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## 198	8.513262e-03	0.0723539876	-1.674155e-02	0.0209922346	0.0226048654
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##	V281	V282	V283	V284	V285
## 1	0.0665658456	-1.776279e-02	0.0447005951	-0.0142632443	-0.0465946119
## 2	0.0296638779	4.232824e-02	-0.0340083956	-0.0453835644	0.0163347010
## 3	0.0184137163	2.084553e-02	-0.0347652402	0.0348616168	-0.0943094559
## 4	0.0542334837	3.853618e-02	0.0547401966	-0.0137999865	0.0913013822
## 5	0.0583916667	-1.711883e-03	-0.0169377853	-0.0398116539	0.0321195868
## 6	0.0101957545	2.860688e-02	-0.0828462580	0.0259259566	-0.0588270813
## 7	0.0230234462	1.190496e-02	-0.0131446910	0.0063544359	-0.0014087829
## 8	0.0020157499	4.135569e-02	0.0253304653	-0.0449180612	0.0001995801
## 9	0.0195147280	2.191708e-02	-0.0305208683	0.0332076165	-0.0312385501
## 10	-0.0457503485	-6.889026e-02	0.0222723419	-0.1276079763	0.0877157914
## 11	0.0444661193	6.005195e-02	0.0543236799	-0.0181731991	-0.0005738592
## 12	0.0277871098	4.786957e-02	-0.0198805225	-0.0678266379	0.0301099720
## 13	0.0131241610	-4.201544e-02	-0.0103432658	-0.0157017688	0.0333349453
## 14	0.0137078865	9.223425e-03	-0.0216275267	-0.0671095331	-0.0718956742
## 15	-0.0302291795	5.541176e-03	-0.0146900247	0.0014284733	-0.0172430171
## 16	-0.0261178208	-5.201574e-02	-0.0433868808	0.0464429578	-0.0341796618
## 17	-0.0221555732	3.019385e-02	0.0929334714	-0.0483744520	0.0216793922
## 18	-0.0544767318	-9.719346e-03	0.0824080104	-0.0078274131	-0.0555041889
## 19	0.0190858702	-4.431541e-02	0.0039766677	0.0369653801	-0.0213598086
## 20	0.0650774521	9.557925e-02	0.0017235421	0.0246399819	-0.0100092169
## 21	-0.0144824526	-5.369495e-02	-0.0397814417	-0.0448611993	-0.0366582391
## 22	0.0584585665	-1.096081e-02	-0.0148650180	0.1152351288	-0.0811206035
## 23	0.0309927951	4.058879e-02	-0.0470661779	0.0034550467	0.0521771516
## 24	-0.0190135977	1.917110e-03	-0.0482716692	-0.0269416108	-0.0791323193
## 25	0.0055102652	-3.090797e-02	-0.0287503791	0.0603207208	-0.0155517440
## 26	-0.0245989153	8.755149e-02	-0.0126617163	-0.0902014954	0.0617583805
## 27	0.0895967654	1.262062e-02	-0.0064738518	0.0036835933	0.0121626191
## 28	-0.0425757678	3.086152e-03	0.0089955137	0.0583470039	-0.0151440925
## 29	0.0809616532	-1.532529e-02	-0.0221203165	-0.0006188421	-0.0060250974
## 30	0.0139355752	-3.012970e-02	-0.0341771138	-0.0630265188	0.0487198826
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## 32	-0.0497757217	2.474366e-02	-0.0208781307	0.0015756568	-0.0034562872

## 33	0.0591102927	2.355619e-02	0.0403379082	-0.0691564160	0.0896356730
## 34	0.0065158581	-9.473668e-03	-0.0102307182	0.0322991526	0.0456605333
## 35	-0.0754122074	2.016435e-02	0.0370694935	0.0148985065	-0.0552216558
## 36	-0.0196619970	-2.537922e-02	-0.0161401377	-0.0289881269	-0.0671299449
## 37	-0.0440891700	-6.527532e-02	0.0053466694	0.0814005786	-0.0082200579
## 38	0.0697574743	2.333092e-02	-0.0335077881	0.0799559205	-0.0564015874
## 39	0.0386598195	-3.162703e-02	0.0619439262	0.0762664518	-0.0305708643
## 40	-0.0188351496	4.074914e-02	0.0262965355	-0.0576057415	0.0811187304
## 41	0.0509809785	-3.619913e-02	-0.0491088179	0.0157462488	-0.0105348795
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## 45	0.0351982173	-2.310435e-02	0.0543509368	0.0082053719	-0.0257032490
## 46	0.0435770348	-4.413531e-02	-0.0272578257	-0.0266484756	-0.0280866061
## 47	0.0458487272	6.372590e-02	-0.0107682883	0.0656957038	-0.0560442192
## 48	0.0532389299	-8.783117e-02	-0.0479852632	0.0968741633	0.0286775073
## 49	0.0585897206	-7.102588e-03	0.0026255441	-0.0012828514	-0.0388045960
## 50	0.0442451157	-9.733345e-02	0.0295789594	0.1013229083	0.0844364604
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## 52	0.0316896964	1.006765e-01	0.0157227972	0.0095864788	0.0289772899
## 53	0.0206818865	-1.498686e-02	-0.0867960084	0.0414609428	-0.0216205167
## 54	0.0141724678	-3.440884e-02	0.0045305346	0.0463536298	-0.0778831713
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## 57	-0.0306549276	-9.878613e-02	0.0248579741	-0.0057878121	0.0490609036
## 58	0.0172291411	-1.387733e-02	-0.0628665763	-0.0528733134	-0.0062645791
## 59	-0.0205603796	1.623188e-02	0.0145057652	0.0523866604	-0.0428208036
## 60	-0.0640513071	2.866031e-02	0.0375880945	0.0133557795	-0.0594868160
## 61	0.0278327308	-6.192965e-02	0.0244097082	-0.0029445213	-0.0210309713
## 62	0.0062672704	-3.387365e-02	0.0466128356	0.0670237006	0.0767745268
## 63	0.0822595515	-5.483453e-03	0.0361668754	0.0105102869	-0.0838705573
## 64	0.0316198763	2.617781e-02	-0.0411089616	0.0545298015	-0.1446856580
## 65	0.0175184743	-4.093774e-02	-0.0694959445	0.0122127936	0.0984964938
## 66	-0.0282254263	-1.027808e-02	0.0055829821	-0.0618626767	0.0002607095
## 67	-0.0071555741	5.324076e-02	-0.0316568467	-0.0138996972	-0.0190584340
## 68	0.0179548411	6.705402e-02	0.0320370733	-0.0317157628	-0.0289287640
## 69	-0.0434588544	4.369743e-03	0.0228435225	-0.0101087870	0.0397736873
## 70	-0.0210812865	-5.549716e-02	0.0722510430	0.0128748738	-0.0306146917
## 71	0.0191206486	5.347292e-02	0.0120231390	0.0625095000	0.0171770993
## 72	-0.0213886095	-6.381461e-02	-0.0016785359	0.0755567633	0.0370313495
## 73	-0.0852818383	-1.991811e-03	-0.0520107029	0.0350585564	-0.0095147916
## 74	-0.0011671857	-5.697790e-02	0.0457291753	0.0451859990	0.0821524050
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## 77	-0.0190027230	-1.161095e-02	-0.0013723714	-0.0418991125	0.0312761069
## 78	-0.0553275445	-9.119239e-02	-0.0030904877	-0.0359577126	0.0604892791
## 79	-0.0307602242	1.598559e-02	0.0049443632	0.0647756288	-0.0041815045
## 80	0.1039652453	4.927265e-04	-0.0189830833	-0.0024889229	0.0335948744
## 81	-0.0025210747	2.397244e-02	0.0261429913	-0.0170284376	-0.0463720409
## 82	0.0554815190	-7.317187e-03	-0.0043517364	0.0266980777	0.0506711016
## 83	0.0777742104	-6.241554e-03	0.0594980914	-0.0088290630	0.0137767096
## 84	0.0051262633	-5.331277e-02	-0.0086438384	0.0497108981	-0.0262846857
## 85	0.0553185287	-3.295461e-02	-0.0487891562	-0.0056944022	-0.0596265773
## 86	-0.0227912470	-1.483041e-02	0.0345615505	0.0268951103	-0.0159407467

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## 87 0.0393561585 -4.840876e-02 0.0244254944 -0.0033813461 -0.0006244910
## 88 0.0088201410 -2.894264e-02 0.0192717201 -0.0458752988 -0.0319857768
## 89 -0.0224036260 -3.861916e-03 0.0137852090 0.0031171557 -0.0201123577
## 90 0.0579237387 -4.164505e-02 -0.0282200629 -0.0368477927 -0.0542342184
## 91 -0.0187968045 4.825973e-02 0.0482384262 0.0166630942 -0.0310750800
## 92 0.0403620099 3.238986e-02 -0.0125509481 0.0230732217 -0.0567847439
## 93 -0.0700399680 2.023376e-02 -0.0356169112 0.0216245990 0.0593778032
## 94 0.0769342329 4.960444e-02 0.0935703142 -0.0556224794 0.0170704235
## 95 0.0129483095 -4.608286e-02 0.0233639940 0.0426426949 0.0470798542
## 96 -0.0098379024 2.485975e-02 0.0478775867 0.0497614574 0.0516792044
## 97 -0.0483451618 -2.009870e-02 0.0421754987 -0.0094556304 -0.0937344624
## 98 -0.0221030059 3.014755e-02 0.0304967576 -0.0358739578 -0.0854441747
## 99 0.0182960948 2.598609e-02 0.0500944998 -0.0263485896 -0.0080797753
## 100 -0.0063909157 -3.429468e-02 -0.0499061554 0.0498161164 -0.0203703275
## 101 0.0129775458 -5.048720e-02 0.0044716537 0.0167648324 0.0878869128
## 102 0.0269346961 -1.318472e-02 0.0103453446 0.0202649359 -0.0518477284
## 103 -0.0466262292 6.510674e-03 -0.0654180453 -0.0524881422 0.0275550528
## 104 -0.0146668038 -1.506421e-02 0.0733519204 0.0048791718 -0.0501027367
## 105 0.0914230928 -1.996753e-02 0.0529746645 0.0440432302 0.0132464071
## 106 -0.0701582632 -4.903414e-02 -0.0533718242 0.0460776353 0.0384343352
## 107 0.0597088946 -3.507542e-02 0.0130097817 0.0039522946 0.0126274127
## 108 0.0014741881 -5.497647e-03 -0.0063884755 -0.0030399042 0.0749693049
## 109 0.0271970770 2.079973e-03 -0.0188058147 0.0118499891 0.0120737576
## 110 0.0153976893 -7.683501e-02 -0.0532213916 -0.0726943665 0.0345287770
## 111 0.0059523461 -1.695274e-02 -0.0930481091 -0.0250725898 0.0537127960
## 112 -0.0254384401 1.434764e-03 0.0569588591 0.0477712585 -0.0454263246
## 113 -0.0985871821 8.047599e-03 0.0168311201 0.0352124868 0.0235511080
## 114 0.0238902561 7.168711e-03 -0.1055637812 -0.0265551377 0.0046914865
## 115 -0.1281081339 3.908838e-03 -0.0377479999 0.0169549031 0.0589184069
## 116 0.0101388053 3.384439e-02 -0.0195328345 0.0234859573 -0.0308773500
## 117 -0.0110958893 5.172537e-02 -0.0456031034 0.0186803099 -0.0491826689
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## 120 0.0333372037 1.663142e-02 -0.0409207557 0.0041239936 -0.0200171204
## 121 0.0547095694 6.075385e-02 0.0822654074 0.0399511310 0.0109867352
## 122 0.0460511893 6.292279e-02 0.0253657320 0.0454770916 0.0648438914
## 123 -0.0217810463 -3.497466e-02 -0.0180524683 -0.0178511742 0.0523227098
## 124 0.0160673178 -7.242370e-02 -0.0020004755 0.0023387512 -0.0212449395
## 125 0.0049749466 3.943233e-02 0.0403829649 -0.0202125508 -0.0229431901
## 126 0.0451663480 -2.648443e-02 0.0782811793 0.0498606337 -0.0545446971
## 127 0.0275311502 3.275445e-02 -0.0183396624 -0.0835281808 0.0359174151
## 128 0.0028797000 -6.045958e-02 0.0791507178 0.0013856358 -0.0073345304
## 129 0.0104008349 2.004490e-02 -0.0653493984 -0.0266193368 -0.0950471015
## 130 0.0003589048 -3.943024e-02 0.0062322104 0.0367799761 0.0108989302
## 131 -0.0453831983 -1.078133e-02 0.0802317276 0.0588818225 0.0093329048
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## 133 0.0414253619 -2.453968e-02 -0.0419875410 -0.0453124367 -0.0298604868
## 134 -0.0260356083 6.520310e-02 0.0078275578 0.0220038047 0.0041676490
## 135 -0.0601493977 -6.830378e-02 0.0846387264 0.0165689218 0.0121917036
## 136 0.0601481375 -1.256371e-02 0.0361933379 -0.0589236079 -0.0472566809
## 137 0.0445547609 -1.531566e-03 0.0149501403 -0.0280271609 0.0243502379
## 138 0.0420435338 2.250729e-02 0.0090886287 0.0049201903 0.0288157546
## 139 -0.0410929528 -2.041438e-02 0.0370645100 -0.1012402579 0.0633308986
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## 141 0.0237127746 1.963792e-02 -0.0200208999 0.0911130060 -0.0872241148
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## 143 -0.0142726281 -4.181631e-02 0.0175772835 0.0028021575 0.0251531185
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## 156 -0.0083886989 7.980002e-02 -0.0784430594 -0.0056704398 -0.0264070581
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## 165 0.1388459868 4.208193e-02 -0.0226723309 0.0164662900 0.0096770397
## 166 -0.0233188633 8.358739e-02 0.0270308903 0.0104607506 0.0352748463
## 167 -0.0396483746 1.833953e-02 -0.0009243124 0.0634345066 -0.0587589197
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## 173 -0.0089816507 3.492681e-02 -0.0352355906 0.0256352931 0.0803342297
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## 177 0.0792798492 6.361129e-02 -0.0067126404 0.0195003960 -0.0658377380
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## 179 -0.0227923987 -2.066533e-02 -0.0296539638 -0.0383453223 0.0132478008
## 180 -0.0783952081 2.866301e-02 -0.0592639447 -0.0150642118 0.0219121346
## 181 0.0687757562 4.098987e-02 -0.0009218436 -0.0076971048 0.0285604316
## 182 0.0187948862 -6.322930e-02 -0.0533998315 -0.0817985481 0.0077020714
## 183 -0.0837594782 -6.346968e-02 -0.0008370240 -0.0066511316 -0.0634924510
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## 185 0.0154183484 -1.407083e-02 -0.0211606716 0.1124946926 -0.0179581497
## 186 0.0057594915 4.500906e-03 0.0471155625 -0.0393656957 -0.1261969759
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## 190 0.0177817805 -3.620120e-02 -0.0188179484 0.0021649257 0.0157637043
## 191 -0.0816289267 -6.043372e-02 0.0056126117 -0.0219362375 -0.0395684258
## 192 0.0265510908 4.194737e-02 -0.0090858519 0.0251140379 0.0538795842
## 193 -0.0439970697 4.727358e-02 -0.0093605268 -0.0301259052 -0.0383623949
## 194 -0.0361370404 -7.333056e-02 0.0229260799 -0.0036609074 0.0491436758

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## 195	-0.0339594380	1.440353e-03	0.0336036444	0.0307831237	0.0048938192
## 196	0.0024093926	-2.898431e-03	-0.0730145124	0.0311950787	0.0784441116
## 197	-0.0273411827	8.106273e-03	-0.0615522062	-0.0268275362	-0.0015428545
## 198	-0.0033996543	-6.392892e-02	-0.0051043984	-0.0118095685	0.0384560576
## 199	-0.0146341460	-3.877809e-02	-0.0649862766	-0.0183899767	0.0127225705
##	V286	V287	V288	V289	V290
## 1	8.173785e-02	0.1260461693	2.025034e-02	-0.0160539805	0.0350171265
## 2	-1.816462e-02	0.0005560576	1.880260e-02	-0.0647797628	0.0099660397
## 3	-5.813130e-02	-0.0728097475	4.014239e-02	-0.0299142858	0.0078491405
## 4	-2.708501e-02	0.0297067287	-1.414443e-02	-0.0234983828	-0.0173043552
## 5	8.312102e-03	-0.1388083977	-3.028699e-02	0.0095453317	-0.0561604084
## 6	-2.224236e-02	0.0035345655	-9.354530e-03	-0.0047017966	0.0588759826
## 7	4.763378e-02	-0.0609326607	-4.932794e-02	0.0056796412	-0.0316243352
## 8	1.909862e-02	0.0337257758	-9.917254e-02	-0.0649079519	-0.0193132054
## 9	6.759566e-02	0.0223765074	-6.859686e-02	0.0262725320	0.0522387506
## 10	-2.985786e-03	0.0152298223	1.084787e-03	-0.0504607829	0.0093165018
## 11	-2.953605e-03	-0.0566279783	-1.280622e-02	0.0656283866	-0.0233813853
## 12	7.097813e-03	0.0312212326	2.709976e-05	0.0694273667	-0.0497984113
## 13	-5.585390e-02	-0.0164772019	-5.936626e-04	-0.0073385381	0.0378150950
## 14	7.631833e-02	0.0312383919	1.858213e-02	-0.0116156563	-0.0488298696
## 15	-3.830199e-02	-0.0251953705	-1.895682e-03	-0.0899266087	-0.0905568009
## 16	-6.953225e-02	0.0670378898	-6.858317e-02	0.0218674166	0.0848161508
## 17	-1.838643e-02	-0.0083453814	-1.896702e-02	-0.0002966998	0.0268164447
## 18	-5.651405e-02	0.0132794960	3.642835e-02	0.0061224333	0.0114478344
## 19	2.778435e-02	0.0015116982	2.177760e-02	-0.0281516916	0.0088810308
## 20	-1.591633e-02	0.0381086802	4.203238e-02	-0.0171085465	-0.0632086910
## 21	5.687020e-03	0.0185990440	-2.683183e-02	0.0286537809	0.0710838938
## 22	-5.777801e-02	-0.0882668013	5.114179e-02	-0.0193732966	0.0309170399
## 23	2.739390e-02	0.0641643862	-6.476914e-02	0.0166139961	-0.0006274020
## 24	-3.271633e-02	-0.0289770625	-3.738864e-02	-0.0144393287	-0.0527298133
## 25	-2.766886e-02	-0.0289796569	-2.939249e-02	-0.0244478197	0.0025847917
## 26	-2.515738e-02	0.0678295707	5.223769e-03	-0.0045795915	-0.0876659607
## 27	-3.383628e-02	0.0182521028	-9.714730e-02	0.0707220892	-0.0154783872
## 28	2.228788e-02	0.0230985636	-5.369022e-03	-0.0055672143	0.0212327179
## 29	4.968580e-03	-0.0999512117	-7.858616e-02	0.1251192813	0.0614600918
## 30	-5.235580e-02	0.1325734647	-6.894113e-02	0.0325385611	-0.0730320851
## 31	-4.047024e-03	0.0645847860	-6.345899e-02	0.0088979302	0.0089938871
## 32	1.345518e-01	-0.0547005937	-3.670664e-02	0.0228887828	0.0065075066
## 33	-8.945472e-03	-0.0064435277	7.138397e-02	-0.0854252813	0.0270169611
## 34	6.296585e-02	0.0194181839	9.946892e-03	-0.0207038235	-0.0382783549
## 35	-2.972629e-04	0.0378760301	1.076841e-01	0.0352610315	-0.0172321773
## 36	-1.003621e-03	0.0181589088	-7.787872e-02	0.0170887632	0.0131354486
## 37	-6.988324e-03	-0.0300660091	-9.966017e-03	0.0769775918	0.0406290833
## 38	1.721786e-02	0.0199192133	2.079148e-02	0.0347676720	0.0357528489
## 39	-9.659161e-02	-0.0278214016	4.755377e-02	0.0091891440	-0.0209277377
## 40	-1.160242e-02	-0.0303187751	-5.538571e-02	-0.0075486154	-0.0102199575
## 41	8.423242e-02	0.0838433743	-7.038174e-02	-0.0229893395	0.0134480648
## 42	-6.197503e-02	0.0385034136	2.767409e-02	-0.1046774338	0.0123738359
## 43	3.910722e-02	-0.0520998600	-3.595973e-02	-0.0182349975	0.0239510705
## 44	6.660416e-02	0.0096505298	-2.293539e-02	0.0667312870	-0.0240994967
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## 46	-4.433532e-02	0.0327719506	4.196869e-02	-0.0624733918	-0.0369348733
## 47	1.285132e-05	0.0134040816	-4.884506e-02	-0.0427451082	0.0086250197
## 48	-8.104413e-02	0.0488439606	-8.413883e-02	-0.0113351826	0.0186304581


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## 49 -4.158657e-02 0.1132972404 1.687761e-02 0.0478140283 0.0417128419
## 50 -5.702003e-02 -0.0016184620 1.472327e-02 -0.0755854736 -0.0105579965
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## 53 6.233036e-02 0.0202415241 -1.427192e-02 -0.0709624376 0.0137469960
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## 55 4.241054e-02 -0.0055787260 1.462084e-01 -0.0372268777 0.0471063901
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## 57 -7.848696e-02 0.0514184078 -4.605334e-02 0.0451875105 0.0305114309
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## 59 3.431681e-02 -0.0280515667 3.347653e-02 -0.0646530358 0.0206567114
## 60 7.221954e-02 -0.0438273185 6.973498e-02 -0.0889776377 -0.0817370974
## 61 -2.113756e-02 -0.0146369469 1.432324e-02 0.0376009953 0.0504151536
## 62 5.774055e-02 0.0355080323 3.145510e-03 -0.0260045567 -0.0063424284
## 63 5.329443e-03 0.0037874481 -3.567905e-02 -0.0658428614 -0.0089667096
## 64 8.757185e-03 0.0481487108 6.599637e-03 0.0609714457 0.0036615978
## 65 3.738894e-02 0.0300383036 -3.109013e-02 -0.0693423229 0.0563161180
## 66 5.581570e-02 0.0131974197 -1.184359e-03 0.0126388386 0.0790920550
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## 68 -5.637859e-02 -0.0073824687 -6.500853e-04 0.0332155147 0.0019463505
## 69 9.323648e-02 0.0512913018 -1.210580e-01 -0.0007416737 -0.0220830616
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## 71 6.589493e-02 0.0576625649 6.179018e-02 -0.0230990686 -0.0220249295
## 72 3.149338e-02 0.0133467167 -2.204153e-02 0.0174877230 0.0187322301
## 73 -2.587213e-02 0.0793578441 5.267391e-02 -0.0662902715 0.0055197552
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## 107 -4.229406e-02 0.0133837893 7.710805e-03 0.0039547077 0.0492916467
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## 110 3.940522e-02 -0.0096716643 -8.340713e-02 -0.0340103443 -0.0249760864
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## 178 2.216912e-02 0.0381298213 8.797993e-03 -0.0273422622 0.0080836540
## 179 5.286142e-02 -0.0420815978 2.045830e-02 -0.0380866211 -0.0165808180
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## 191 7.771487e-02 -0.0475204604 -1.193095e-01 0.0005371411 0.0561158670
## 192 3.214838e-02 0.0626050931 3.406652e-02 0.0627610935 -0.0057367384
## 193 -6.801728e-02 -0.0353218637 -2.569643e-02 0.0318874212 -0.0093142365
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## 198 7.033595e-02 0.0248983463 -1.692958e-02 0.0283884695 0.0034063613
## 199 -3.751394e-02 0.0354985720 3.018042e-02 0.0021147296 0.0296374619
##      V291      V292      V293      V294      V295
## 1 0.0470976208 -0.0342528377 -0.0004310615 -3.048068e-02 3.356917e-02
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## 3 -0.0752681436 0.0566040909 0.0310532026 4.260412e-02 3.738015e-02
## 4 -0.0497531729 0.0729867315 -0.0078896259 -5.197074e-02 3.771149e-02
## 5 -0.0102557418 -0.0061650800 0.0040101350 9.254347e-02 -2.034606e-02
## 6 0.0389158417 0.0387385945 -0.0251352241 -4.569343e-02 7.223257e-02
## 7 -0.0557371789 -0.0088183056 -0.0391005626 1.039242e-02 -4.460626e-02
## 8 -0.0302973318 -0.0011122437 0.0272326298 1.979371e-02 5.959560e-02
## 9 -0.0270431498 -0.0310185639 -0.0581359888 1.686334e-02 -7.417715e-03
## 10 -0.0097397436 0.0738798859 -0.0822733077 4.708339e-02 3.534155e-03

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## 14	-0.0249024166	-0.0159870553	0.0359359781	2.226348e-02	-2.372446e-02
## 15	-0.0186488954	-0.0678309184	-0.0740118523	3.837155e-02	-6.862761e-02
## 16	-0.1011188111	-0.0710583767	-0.0388949380	-4.213770e-02	1.258343e-03
## 17	-0.0271101476	0.0271182636	-0.0422396319	5.327783e-02	-2.040237e-02
## 18	-0.0139578000	-0.0618804409	0.0707311975	-3.842761e-02	-3.067608e-02
## 19	0.0241376324	0.0532201487	0.0342644933	2.059081e-02	-5.842627e-02
## 20	0.0147087687	-0.1039307184	-0.0097870683	2.432673e-02	-2.071909e-02
## 21	-0.0084725662	-0.0152307403	-0.0792142091	-3.654896e-02	-4.160036e-02
## 22	-0.0174215276	0.0113131716	-0.0210118913	-1.188277e-02	-3.425807e-02
## 23	0.0034370332	-0.0481957571	0.0587373347	-1.969782e-02	2.662079e-02
## 24	0.0046059534	0.0262347000	0.0538803376	1.430385e-02	-3.031829e-02
## 25	0.0260512282	0.0228027932	0.0719934585	-1.259419e-02	-2.485455e-02
## 26	-0.0270611464	-0.0084033727	-0.0550389067	-3.220554e-02	9.951167e-03
## 27	-0.0099669087	0.0861960429	0.0230920071	-6.836695e-02	1.479210e-02
## 28	-0.0066451009	0.0459536281	-0.0446948581	2.596208e-03	8.904970e-03
## 29	0.0559990378	-0.0945601652	0.0064770458	-4.761402e-02	7.630088e-02
## 30	-0.0279447404	0.0795716491	0.0314052810	-4.859276e-03	-5.427388e-02
## 31	0.0660018515	-0.0003494205	-0.0205105802	-2.609516e-02	4.265273e-03
## 32	0.0568851304	0.0805752680	-0.0042581190	-6.749493e-02	-2.659811e-02
## 33	-0.0586336148	0.0214559371	-0.0097503059	5.594802e-02	1.658077e-02
## 34	0.0454284575	0.0129646999	-0.0250650401	-2.289962e-02	-1.719130e-02
## 35	0.0337096212	-0.0377249926	0.0376130331	8.793031e-03	-6.650262e-02
## 36	-0.0027815763	0.0612713492	0.0071299574	2.996844e-02	4.492124e-03
## 37	0.0248263719	-0.0003108695	-0.0510259209	3.339583e-02	-3.062024e-02
## 38	-0.0007562014	-0.0554709768	-0.0856768300	2.866008e-02	2.068862e-02
## 39	0.0033821730	-0.0109418478	0.0209344938	1.333700e-02	-1.888976e-02
## 40	0.0273104522	-0.0544357608	-0.0063210781	-1.080897e-02	-8.645405e-02
## 41	0.0013021731	0.0052426649	-0.0291360947	-9.242759e-02	-7.583279e-03
## 42	0.0060402411	-0.0615876592	-0.0269340398	1.628509e-02	1.427155e-02
## 43	0.0370551273	-0.0241642180	-0.0351863684	-3.092825e-02	-1.967918e-02
## 44	-0.0303418642	-0.0106504100	0.0496031523	3.271521e-02	2.478810e-02
## 45	0.0625809634	-0.0049472935	0.0115720729	9.257659e-02	4.824288e-03
## 46	-0.0035683653	0.0486010253	0.1228615870	3.402327e-02	-7.074867e-02
## 47	0.0527762093	-0.0391965017	-0.0587709881	4.676516e-02	6.020281e-03
## 48	0.0801596312	0.0347883563	0.0808009853	-1.275737e-02	4.230257e-02
## 49	-0.0040493676	-0.1202721463	0.0109256150	4.013161e-02	-4.261898e-02
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## 51	-0.0179869642	0.0663439939	-0.0938009089	-5.378005e-03	5.206294e-02
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## 53	-0.0321774305	0.0065797583	0.0455142057	-5.341814e-02	8.089635e-03
## 54	0.0245827463	0.0161072698	0.0076702503	6.676092e-02	-8.584355e-02
## 55	0.0285832568	0.0274682986	0.0457703440	-6.264736e-03	-1.635931e-02
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## 58	-0.0359792082	0.0211313925	0.0636925644	-2.142664e-02	1.106573e-02
## 59	-0.0373439707	-0.0191945435	0.0414030340	2.339184e-03	-3.753175e-02
## 60	-0.1045985515	-0.0180428555	0.0106747330	5.350705e-02	3.058034e-02
## 61	-0.0084569190	-0.0510677365	0.0119362744	9.011158e-03	4.630369e-03
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## 63	0.0219921964	-0.0296969685	-0.0678031368	7.375118e-02	-8.965845e-03
## 64	0.0114335591	0.0419351028	0.0038338997	-2.707168e-02	-1.218447e-03

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## 67 -0.0230460041 -0.0283637902 0.0440212795 -4.972400e-02 5.757533e-02
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## 70 0.1014447330 -0.0091169680 0.0264263065 -4.886198e-02 1.073688e-02
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## 74 -0.0105055248 -0.0113641009 -0.0596478610 5.788637e-02 -1.211256e-02
## 75 -0.0140611411 0.0341077872 0.0517486411 2.416942e-02 -1.964496e-02
## 76 0.0057727943 -0.0716283515 -0.0043761197 4.929971e-02 6.433737e-02
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## 89 0.0417463362 0.0586065776 -0.0435448827 5.272129e-02 5.611375e-03
## 90 0.0883967224 0.0725155859 0.0665947966 9.379933e-02 2.266897e-03
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## 92 0.0094840225 0.0868413913 0.0723155401 -2.761659e-02 -1.537852e-02
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## 124 0.0037814714 0.0363211306 -0.0262250383 5.326541e-02 -1.964902e-02
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## 143 -0.1120752514 -0.0118096822 0.0244826552 -8.907969e-03 -5.636890e-02
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## 155 -0.0040427820 -0.0311361870 0.0180535354 -3.462696e-02 -6.632977e-02
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## 161 -0.0424354535 0.0018177214 -0.0436792913 7.610315e-03 7.006813e-02
## 162 -0.0404295919 -0.0251311455 0.0035646686 -7.368226e-02 1.312831e-02
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## 175	-0.0213020274	-0.0199389598	0.0062168668	-2.511237e-02	-9.222710e-03
## 176	-0.0413139230	0.0206355404	-0.0365728719	5.343460e-02	-2.052740e-02
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## 178	-0.0534364141	0.0195656195	0.0326194574	-2.247386e-02	3.969721e-02
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## 181	-0.0337593127	-0.0023254711	-0.1114383291	1.155205e-02	-1.834250e-02
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## 183	0.0180674714	0.0218352651	0.0504380415	-1.206701e-02	5.135830e-02
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## 185	-0.0573081511	-0.0893935651	0.0297904442	-1.750008e-02	-1.064675e-02
## 186	0.0418733267	0.0273238407	-0.0278246635	7.351138e-02	-3.770012e-02
## 187	-0.0551461620	0.0142722743	-0.0067699480	-1.996631e-02	5.050727e-02
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## 189	-0.0396430552	-0.0065984076	-0.0090042496	4.602949e-04	9.331826e-02
## 190	0.0769540652	-0.0344264952	0.0608237410	-5.167551e-02	-1.114292e-01
## 191	-0.0155399966	-0.0274617718	-0.0456157894	2.401287e-02	-6.825695e-03
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## 194	-0.0416422212	-0.0056413362	0.0029108674	-8.426337e-04	1.738073e-01
## 195	0.0453922084	0.0283134166	0.0701892591	1.275280e-02	-3.589868e-02
## 196	0.0825121496	-0.0258083434	-0.0205561712	-9.023944e-03	1.158388e-02
## 197	-0.0285583310	-0.0794110803	0.0817283138	-8.708188e-03	-1.771052e-02
## 198	0.0230042124	-0.0405171138	-0.0097741615	-1.380715e-02	-2.906313e-02
## 199	0.0018240159	-0.0414008798	-0.0296966877	6.526247e-02	-6.648039e-02
##	V296	V297	V298	V299	V300
## 1	0.0096397137	-0.0163282993	6.080825e-02	0.0233437368	-0.0343467572
## 2	-0.0211532706	-0.0265103147	5.277576e-02	0.0822022375	0.0028120734
## 3	0.0076983811	0.0323268697	-3.723242e-02	0.0356564310	0.0385010262
## 4	-0.0129282897	0.0903663338	1.626351e-02	-0.0231069442	-0.0149076403
## 5	-0.0225639238	0.0362136147	-7.055018e-02	0.0172734356	0.0218610218
## 6	0.0234781348	0.0449076698	5.894439e-02	0.0223412822	-0.0532854816
## 7	-0.0288203362	-0.0227804258	8.572990e-03	-0.0428284521	0.0957380220
## 8	0.0925678810	0.0769841525	-2.619978e-02	0.0520701799	0.0034114781
## 9	-0.0205825900	-0.0003114448	2.267917e-02	0.0364209315	-0.0203761285
## 10	-0.0006327572	-0.0126220842	2.141457e-03	-0.0385944555	-0.0086643110
## 11	-0.0478439552	-0.0082557546	-3.512297e-02	-0.0061756658	-0.0872307768
## 12	0.0581415202	-0.0057729426	9.250709e-02	-0.0896094657	-0.0200674566
## 13	-0.0334573591	0.1045772762	-1.275358e-02	0.0593897910	-0.0771669768
## 14	0.0136760296	-0.0141003749	5.491283e-03	0.0344129394	-0.0052210813
## 15	-0.0275063676	0.0365461429	-2.344483e-02	0.0724528517	0.0047090141
## 16	0.0642569218	0.0214899903	3.800547e-02	0.0224038912	-0.0463286333
## 17	0.0096596858	0.0190490088	-5.511816e-05	0.0329826286	-0.0267223579
## 18	0.0264472716	0.0103339513	2.815517e-02	-0.0555066976	-0.0116827621
## 19	-0.0831491837	-0.0002591126	6.332939e-02	-0.0002855832	0.0406302783
## 20	0.0409691111	0.0499077679	-2.836880e-02	-0.0478959887	-0.0584054876
## 21	-0.0592696544	0.0300049691	-6.984948e-02	-0.0309002286	-0.0574958261
## 22	0.0876204465	0.0561358811	9.209794e-03	-0.0046888519	0.0637022510
## 23	-0.0008530710	-0.0192589588	4.202806e-02	-0.0306836711	0.0703942174
## 24	0.0985985814	0.0158951958	5.532152e-02	-0.0304933904	0.0122989275
## 25	-0.0435900339	-0.0806751314	2.737226e-02	0.0352027689	-0.0417899649
## 26	0.0073962032	-0.0925612342	5.982032e-02	-0.0164139329	-0.0217841835

## 27	0.0549248194	0.0559302274	3.614268e-02	-0.0406251079	0.0291774497
## 28	-0.0321261933	-0.0225884273	2.342686e-02	0.0262022024	0.0382629547
## 29	0.0115828095	-0.0403735336	-9.637128e-04	-0.0554866910	-0.0638010083
## 30	-0.0288004715	0.0573952811	2.211115e-02	-0.1145476949	-0.0612651886
## 31	-0.0153274517	0.0179637520	-4.407701e-02	0.0118177105	-0.0237231239
## 32	-0.0240052749	0.0567675861	-5.880026e-03	-0.0928571678	0.0131604996
## 33	-0.0451299547	-0.0027550527	4.449520e-02	-0.0608435120	-0.0079958956
## 34	-0.0086316992	0.0267076482	-5.845960e-02	-0.0361090516	-0.0312638053
## 35	0.0891241091	0.0070871387	-7.525986e-02	-0.0020571167	0.0316918054
## 36	-0.0338598541	0.0611174869	-3.374248e-02	0.0369308866	0.0396849131
## 37	-0.0543340759	-0.0370711197	-2.462064e-02	0.0286330169	0.0640844237
## 38	-0.0061502446	-0.0098360353	5.774612e-02	-0.0012028546	-0.0025113244
## 39	-0.0484317786	-0.0641254709	-3.831168e-02	-0.0114982558	-0.0525500761
## 40	-0.0742984247	0.0485824615	5.533123e-02	0.0113173337	0.0514905268
## 41	-0.0398679973	0.0784983344	5.437932e-02	0.1094978832	0.0131200186
## 42	-0.0510223181	-0.0045535380	-8.128143e-02	0.0961969457	0.0098152006
## 43	-0.0499938879	-0.0061001416	-1.096510e-01	0.0234294037	-0.0678206858
## 44	-0.0395763231	-0.0224968588	-2.589136e-02	0.0813882952	0.0837379527
## 45	0.0776894234	0.0102499844	5.106275e-02	0.0622165331	-0.0081265626
## 46	-0.0438619396	0.0411200987	-3.455427e-02	0.0429117697	0.0144962115
## 47	0.0475360939	0.0368652722	1.736536e-03	0.0110974279	-0.0798370934
## 48	0.0174438109	0.0036326826	5.594296e-03	-0.0201319158	-0.0154848573
## 49	-0.0551385779	0.0713716738	4.063262e-02	-0.0144362379	0.0643143447
## 50	-0.0353558644	0.0228424693	-3.254086e-02	0.0157760221	0.0474224530
## 51	-0.0072281905	-0.0651669060	-4.601047e-02	-0.0034269382	0.0411108903
## 52	-0.0625796931	-0.0118578468	4.159606e-03	0.0255485634	-0.1284244735
## 53	0.0157550137	-0.0845672795	7.711802e-02	0.0439658845	-0.0300088023
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## 56	-0.0494323881	-0.0185369018	1.978758e-02	0.0285498120	-0.0274606586
## 57	-0.0390943580	-0.0491573751	-2.326553e-04	-0.0341028394	0.0104306282
## 58	0.0616222847	-0.0135969229	-2.187964e-02	-0.0069802821	0.0461265788
## 59	-0.0181666764	0.0061554497	-9.813536e-02	0.0295713834	0.0442494908
## 60	0.0411959255	0.0194733527	4.512431e-02	0.0292835236	-0.0162908586
## 61	-0.0758540362	-0.0471840934	-5.215444e-04	0.0975274840	0.0025547004
## 62	0.0120403889	0.0155493134	-3.072604e-02	-0.0294420466	0.0168783340
## 63	0.0181994864	0.0503486829	-3.566829e-05	0.0031732034	-0.0302735330
## 64	0.0274199123	-0.0669555650	5.786635e-02	0.0056103408	-0.0210666392
## 65	-0.0079213758	-0.0107138801	5.763641e-02	-0.0805332043	-0.0184572106
## 66	-0.0298839097	-0.0491963604	5.588991e-02	-0.0329771680	-0.0212953037
## 67	0.1278310406	-0.1043546867	2.608892e-02	0.0016254196	-0.0675028665
## 68	-0.0215642674	0.0065825363	-1.107815e-02	-0.0355755037	-0.0306026703
## 69	-0.0121859733	-0.0070706879	-9.333966e-02	-0.0168646865	0.0813776443
## 70	0.0583169700	-0.0357526888	1.522803e-02	0.0636612519	0.0219011459
## 71	-0.0478301748	-0.0285778624	1.612756e-03	-0.0094509645	0.0183021473
## 72	0.0339455411	0.0321353220	-2.417517e-02	0.0282520139	0.0817417944
## 73	-0.0257587781	0.0364632408	2.250590e-02	-0.1106141237	-0.0543092089
## 74	0.0154604139	-0.0021525049	-9.226110e-03	-0.0769833470	-0.0007711748
## 75	-0.0025222561	0.0492829210	6.556915e-02	0.0344240802	0.0493980195
## 76	0.0254382614	-0.0469063263	1.576325e-02	0.0197348905	0.0167142036
## 77	0.0308046984	0.0398439578	4.435787e-02	-0.0727487707	0.0455876891
## 78	0.0646821059	0.0608232485	1.271923e-01	-0.0086775925	0.0069280046
## 79	0.0326868406	0.0462373105	2.236444e-03	0.0316676010	0.0841213290
## 80	-0.0258161895	-0.0396185067	-5.402946e-02	-0.0511911027	-0.0630749808


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## 81 -0.0029276770 0.0285694721 1.050669e-02 -0.0690053312 -0.0014620125
## 82 0.0948195833 -0.0557628442 5.470636e-02 -0.0029265515 -0.0074935574
## 83 -0.0212556115 -0.0641540246 -1.241328e-02 0.0071355521 0.0306959621
## 84 0.0247521585 -0.1272773444 3.369438e-03 0.0422289243 0.0006243502
## 85 -0.0321368700 -0.0268730147 1.983820e-02 -0.0557802816 0.0569782557
## 86 -0.0411523981 0.0384711776 7.399919e-03 -0.0777970147 -0.0168644106
## 87 0.0377617406 0.0065080472 -2.127784e-02 -0.0495373493 0.0435201138
## 88 -0.0206746634 -0.0241179474 1.947861e-02 0.0040274332 0.0235580479
## 89 0.0688578001 0.0398111228 6.549430e-02 0.0732866855 0.0235173913
## 90 -0.0273014453 -0.0149972698 3.439829e-02 0.0376394932 0.0422271249
## 91 -0.0062915932 -0.0008200782 2.277630e-02 -0.0303921759 0.0040367497
## 92 0.1047121686 -0.0171171772 6.691730e-02 -0.0382243463 0.0323295569
## 93 0.0484728265 -0.0262033443 8.305489e-02 -0.0168942435 -0.0147135044
## 94 0.0700779498 -0.0172083840 -2.884350e-02 -0.0117328548 0.0084093236
## 95 0.0236646691 -0.0142317990 6.868084e-02 0.0170183659 0.0952545741
## 96 -0.0967379304 -0.0218248738 -6.144945e-02 0.0214285799 -0.0229225969
## 97 0.0422736315 -0.0261424426 -1.095296e-01 -0.0477016060 0.0050149810
## 98 0.0775755687 -0.0706197120 -1.147906e-03 0.0433304667 -0.0690623885
## 99 -0.0555183366 0.0777629622 2.944171e-02 -0.0089148234 0.0528260325
## 100 -0.0196287760 0.0215378698 2.944662e-03 0.0167412407 0.0534341169
## 101 0.0541266391 0.0401525543 -8.796128e-03 0.0931113991 0.0112600603
## 102 -0.0182168507 -0.1409495032 6.731619e-02 -0.0289628386 -0.0068502874
## 103 -0.0056596319 -0.0331506159 -1.050632e-02 0.0487428936 0.0135203239
## 104 0.0559843513 -0.0047847617 1.053424e-02 0.0253633714 0.0379152851
## 105 0.0843173030 -0.0415077354 5.050239e-02 0.0635450401 0.0431006854
## 106 0.0183284613 -0.0199188578 -2.906961e-02 -0.0168296043 0.0506046270
## 107 0.0172847462 0.0130792507 -5.009535e-02 -0.0052726380 -0.0132354251
## 108 0.0183294657 -0.0434713605 4.921586e-02 0.0296670316 -0.0136026091
## 109 0.0100400156 -0.0091989915 1.154380e-01 -0.0113301354 -0.0166659198
## 110 0.0095197943 0.0909983334 4.686314e-02 -0.0136463611 -0.0092729221
## 111 -0.0236406165 -0.0131049524 2.438063e-02 -0.0044140923 -0.0312368724
## 112 0.0434429089 0.0280071781 -1.338783e-02 -0.0747259155 0.0152283314
## 113 0.0064816582 0.0022165574 -2.778665e-03 -0.0076463048 -0.0800500067
## 114 -0.0077499442 0.0974423415 3.834261e-02 0.0074793254 0.0227447416
## 115 0.0192193072 0.0612302398 -3.926766e-02 -0.0135817199 -0.0462318872
## 116 0.0271040272 -0.0151781647 9.549533e-02 -0.0588611158 0.0299887565
## 117 -0.0638780621 -0.0232247424 3.238165e-02 -0.0092112173 -0.0117553948
## 118 -0.0283593271 -0.0119963792 -9.312558e-02 0.0046870032 0.0638192130
## 119 -0.0461810923 -0.0036635847 -4.385177e-02 0.0029775847 -0.0284301564
## 120 -0.0094675726 -0.0107827858 2.786917e-02 0.0348128230 -0.0158040203
## 121 0.0256656364 -0.0016669127 -4.736826e-03 -0.0277526475 -0.1170438146
## 122 0.0200774522 0.0494145889 -1.079029e-02 -0.0063570580 -0.0702149661
## 123 0.0247471781 0.0597346503 1.593327e-02 0.0046433831 -0.0532458072
## 124 0.1057459861 -0.0227320978 1.331252e-01 0.0519095446 0.0329887987
## 125 -0.0311792715 -0.0102847068 -4.590222e-03 -0.0137766297 -0.0131102302
## 126 -0.0543405334 -0.0054317707 -2.989761e-02 0.0240657321 -0.0255393883
## 127 0.0003965438 -0.0301814982 -3.893253e-02 -0.0541601351 0.0422884967
## 128 -0.0149661567 0.0140534006 -3.644543e-02 0.0735062663 0.0152907307
## 129 0.0062129752 0.0666298571 5.594425e-02 -0.0445522577 0.0591373268
## 130 0.0137650030 0.0182062925 -9.049954e-03 -0.0172641154 0.0108286171
## 131 -0.0580844440 -0.0926750746 4.837377e-02 -0.0138025425 -0.0093420860
## 132 -0.0541587983 0.0128169113 1.338794e-02 0.0025927950 0.0380827113
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## 134 0.0431081339 -0.1007931049 -3.677461e-02 0.0375693324 0.0861621113

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## 135 0.0220759135 -0.0691623675 6.347351e-02 0.0011430320 -0.0545456982
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## 137 0.0342818470 0.0327165185 2.349927e-02 0.0036755574 -0.0070728872
## 138 -0.0164626330 0.0405040158 -1.255297e-02 0.0103068915 -0.0330205275
## 139 0.0066171411 -0.0227080548 -1.945873e-02 0.0201112512 0.0374066734
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## 143 -0.0416834326 0.0339001413 -2.143992e-03 -0.0099073373 -0.0817036060
## 144 0.0139782790 0.0092565681 2.689294e-02 -0.0353083310 -0.0085404452
## 145 -0.0457735352 -0.0174436374 3.848635e-02 -0.0326424202 0.0338873295
## 146 -0.0091173848 0.0469123702 6.419259e-02 0.0030101752 0.0051277404
## 147 -0.0319925581 0.0244690360 1.818563e-02 0.0075597603 -0.0032261175
## 148 -0.0926536358 0.0343734672 -3.452049e-04 0.0823611725 -0.0128447445
## 149 -0.0002004158 -0.0385087270 1.025406e-02 -0.0089971215 0.0444573864
## 150 -0.0212311399 -0.1106260448 -8.290947e-02 -0.0239079569 -0.0231326999
## 151 -0.0008711461 0.0747835283 -3.897351e-02 0.0241866113 -0.0490359657
## 152 -0.0447524041 0.0030629731 -8.299453e-02 -0.1019219686 0.0717582317
## 153 0.0421910814 0.0250656214 1.205733e-02 0.0362551231 0.0018374300
## 154 -0.0495738639 -0.0477658310 -1.718384e-02 0.0049903796 -0.0374147162
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## 156 0.0225667313 0.0116575646 -1.832530e-02 -0.0168148113 -0.0857109137
## 157 -0.0552534938 0.0583733812 4.578734e-03 0.0136648492 -0.0049774384
## 158 -0.0313635349 0.0388844993 8.845455e-02 0.0569428820 0.0331656389
## 159 0.0035188383 -0.0871105183 -8.124971e-02 -0.0371316399 -0.0242606120
## 160 0.1012262135 0.0701468918 -6.509589e-02 -0.1128623799 -0.0570316431
## 161 -0.0655880751 -0.0699979603 -3.824499e-03 0.0206975206 0.0102567096
## 162 -0.0573223851 0.0269305804 -4.408510e-02 0.0251323819 -0.0261904868
## 163 0.0089206987 0.0668853351 6.071189e-02 -0.0273612971 -0.0743699085
## 164 -0.0343093390 0.0620628924 2.998834e-02 0.0212221100 0.0068170213
## 165 0.0156858250 0.0820640101 6.642339e-02 -0.1136131930 0.0369511641
## 166 -0.0048771088 0.0120930909 -4.897788e-02 0.0318131436 0.0293897784
## 167 -0.0785649649 0.1065569397 1.070366e-02 -0.0056815714 0.0380783380
## 168 0.0308441897 0.0094362031 2.866566e-02 0.0957059499 -0.0254088060
## 169 0.0742331031 -0.0433286679 -2.833595e-02 0.0414369901 0.0044409311
## 170 0.0069358396 0.0148007384 -5.042214e-02 0.0194774069 0.0241227660
## 171 0.0925460101 0.0257854473 2.927767e-02 0.0436966226 -0.0302180809
## 172 -0.1069766452 -0.0175852976 3.443859e-02 -0.0473133699 0.0460649351
## 173 -0.0587286364 0.0230891441 -2.313076e-03 -0.0344888683 -0.0422321939
## 174 0.0262066228 -0.0091334960 -4.190643e-02 -0.0898934268 0.0559834774
## 175 0.0722425901 -0.0107898262 -5.592522e-02 0.0169742070 0.1442270027
## 176 0.0310123136 -0.0850895419 3.499935e-02 0.0419056058 0.0327985614
## 177 -0.0105227498 0.0133303377 3.138573e-02 -0.0037035021 -0.0696915452
## 178 -0.0729098951 -0.0829064068 2.688231e-02 0.0098957089 0.0683132878
## 179 -0.0119427435 0.0563093965 8.055767e-02 0.0268653640 0.0207017017
## 180 0.0357077605 0.0016071744 2.547825e-02 0.0284645810 -0.0350581209
## 181 -0.0039179045 -0.0141056050 2.406324e-02 -0.0666184639 -0.0245062013
## 182 -0.0222609069 -0.0313333361 -3.593613e-02 0.0391337350 -0.1013189849
## 183 0.0291615988 0.0131811904 -1.711375e-02 0.0228718529 0.0502164837
## 184 -0.0227745438 -0.0549875578 -1.577132e-02 -0.0362207774 0.0490246031
## 185 -0.0650686309 -0.0150361376 2.501632e-02 0.0383720186 0.0022119777
## 186 -0.0034410991 0.0782435383 -8.131167e-02 0.0033653351 -0.0436416251
## 187 -0.0318691076 0.1081994488 1.008770e-02 0.0117586494 -0.0132695622
## 188 0.0215814423 0.0241698627 -4.987941e-02 -0.0250268446 -0.0405692613

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## 189	-0.0582921385	0.0368970434	2.745426e-02	0.0611113108	-0.0801978891
## 190	0.0076248694	0.0191269909	3.642648e-02	-0.0925980116	-0.1044341018
## 191	-0.0096147337	-0.1116372144	-1.474848e-02	0.0173145147	-0.0568827292
## 192	-0.0351513141	-0.0342077479	-5.934916e-02	-0.0312412737	0.0123080665
## 193	-0.0448052249	-0.0036492357	-2.918372e-02	-0.0297709307	0.0129036521
## 194	0.0260104384	0.0189517761	8.023697e-02	-0.0067188100	-0.0190501146
## 195	0.0315114094	-0.0580348077	1.001981e-01	0.0812183704	0.0141638161
## 196	0.0108959203	0.0213651182	1.838361e-02	-0.0109228406	0.0105733544
## 197	-0.0277332594	-0.0026454090	1.010046e-01	0.0992460460	0.0051919017
## 198	-0.0370034697	0.0358688648	-6.261387e-02	-0.0063129777	-0.0480001105
## 199	0.0368462392	0.0436349495	-8.571333e-02	-0.0314475760	0.0431374587
##	V301	V302	V303	V304	V305
## 1	-0.0239551848	0.0631128158	-0.0001886263	-3.133632e-02	-1.398894e-02
## 2	-0.0444392463	0.0234027067	0.0479836962	-1.280533e-02	2.861179e-02
## 3	0.0153405563	0.0312517776	-0.0158959775	-5.856314e-02	-7.656499e-03
## 4	0.0008157501	0.0500722823	-0.0487947055	-2.510734e-02	1.925115e-02
## 5	-0.0083942301	0.0041896812	-0.0317784447	2.047841e-02	-2.858089e-02
## 6	0.0196918482	0.0653352690	0.0234080405	-3.817162e-02	-6.045428e-02
## 7	-0.0095840850	-0.0432862323	0.0240065491	3.029936e-02	2.758515e-02
## 8	0.0370197236	0.0496438940	0.0409688173	1.029387e-01	1.885365e-02
## 9	0.0040338478	-0.0129845914	-0.0261936758	2.792444e-04	-4.546031e-03
## 10	-0.0390783828	-0.0275254626	-0.0934419372	3.863524e-02	6.586070e-02
## 11	0.0510530737	0.0269038626	0.0024850621	-3.858507e-02	-2.886086e-02
## 12	0.0289457891	0.0495968087	0.0422660599	1.928208e-03	4.693607e-03
## 13	0.0173870228	0.0081968761	-0.0137684583	-5.417573e-03	-4.475769e-02
## 14	-0.0129484607	-0.0242565611	-0.0321792888	-6.930704e-03	2.680948e-02
## 15	-0.0216867136	0.0563210162	-0.0043183804	-4.836097e-02	-4.666512e-02
## 16	0.0819702300	-0.0027006092	0.0512134570	-9.523019e-03	6.523248e-02
## 17	-0.0057025227	-0.0012238252	0.0271472479	4.065187e-02	5.649869e-02
## 18	0.0541405393	-0.0746226469	0.0026705699	-9.468733e-03	-2.426099e-02
## 19	0.1129138963	0.0067413557	-0.0165398105	-4.868670e-02	2.916767e-02
## 20	-0.0369968293	0.0376409382	-0.0683098629	2.058047e-02	8.616483e-03
## 21	0.0118879879	-0.0233957623	-0.0004667739	4.897944e-02	-6.668800e-03
## 22	-0.0180300885	-0.0636194988	0.0600593360	-5.907019e-02	-9.305546e-02
## 23	0.0356165971	-0.0145205793	0.0185394177	-1.347166e-02	-3.162784e-02
## 24	0.0211639764	-0.0012386828	0.0528437982	-1.657385e-02	7.048953e-02
## 25	0.0144261492	0.0316792383	-0.0278790540	2.021661e-02	-2.719249e-02
## 26	0.0707424346	0.0633487598	-0.0216545138	4.542227e-02	-1.651859e-02
## 27	-0.0309687220	-0.0289789552	-0.0313865885	3.770372e-02	6.798090e-03
## 28	-0.0250018019	-0.0028676676	-0.0116974880	-8.255833e-02	1.427562e-02
## 29	0.0170790497	0.0351087886	0.0556998138	3.753472e-02	-2.123202e-02
## 30	-0.0015572468	-0.0475604908	-0.0155760923	6.622765e-02	-1.851177e-02
## 31	-0.0088553908	-0.0510390525	0.0701471645	-1.068523e-01	-4.294438e-03
## 32	-0.0788105261	0.0437300032	-0.0011483704	-2.684829e-02	9.308264e-02
## 33	-0.0284481738	-0.0214469556	0.0283238998	-5.003450e-02	5.564865e-02
## 34	-0.0505850408	0.0723848182	0.0210819055	6.625518e-02	-3.517053e-02
## 35	0.0065573885	0.0210248343	0.0780923042	6.156567e-02	4.318523e-02
## 36	-0.0613720055	-0.0980501368	0.0254084426	3.573001e-03	-1.279919e-02
## 37	0.0305918669	0.0032332727	-0.0296959809	1.152530e-02	3.084797e-02
## 38	-0.0638012734	-0.1012306361	-0.0312277514	1.668317e-02	-3.639549e-02
## 39	-0.0456249258	0.0805346488	-0.0794741430	-2.208672e-02	-7.613440e-03
## 40	0.0552740249	0.0320579784	0.0808792408	3.641742e-02	9.237456e-04
## 41	-0.0610472768	-0.0204856949	-0.0441648946	-5.892623e-02	4.669084e-02
## 42	-0.0656122317	0.0625748287	-0.0163906646	5.702715e-02	6.395155e-02

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## 43 -0.0545729824 0.0019106282 0.0652018373 -8.334056e-02 -4.983139e-03
## 44 -0.0358153565 0.0155011016 0.0262363417 -4.060018e-02 1.541188e-02
## 45 0.0367676382 0.0680620159 -0.0611978085 1.972108e-02 1.834291e-03
## 46 -0.0253266109 -0.0212490575 0.0263390659 -6.053808e-03 7.292264e-03
## 47 0.0764361446 -0.0375857448 0.0338550860 1.118318e-01 2.092593e-02
## 48 0.0058167005 -0.0174487701 -0.0200408424 -1.093923e-01 -8.003377e-03
## 49 -0.0374623751 -0.0348805842 0.0026417896 -2.625128e-02 -2.737246e-02
## 50 -0.0209041648 0.0228503180 -0.0363229454 -2.823731e-02 -5.139707e-02
## 51 0.0192751231 0.0316304138 -0.0478937355 -1.473586e-02 -9.918314e-03
## 52 -0.0264282832 0.0038936437 -0.0001104475 -6.196338e-03 -5.372280e-02
## 53 -0.0011643429 0.0570505043 -0.0358458514 7.860860e-02 -8.748890e-02
## 54 0.0499799442 -0.0157792054 -0.0376799625 -4.738765e-03 -4.191403e-03
## 55 0.0046207486 -0.0232660880 -0.0173209981 9.286831e-03 -3.583702e-02
## 56 0.0156412658 -0.0354879166 0.0208196214 6.289069e-02 2.334068e-02
## 57 -0.0644515719 0.0360710853 0.0154294945 4.241575e-02 -3.604957e-02
## 58 -0.0605688334 0.0683866956 0.0092356484 -2.985520e-02 1.322216e-01
## 59 0.0216518444 -0.0340714689 -0.0115734065 -3.226338e-03 -8.897055e-02
## 60 0.0431105231 -0.0187530043 -0.0356823626 -3.443299e-02 -1.049751e-01
## 61 0.0712718172 0.0430468494 0.0069807906 1.119332e-02 6.819790e-03
## 62 0.0432911011 0.0372735530 0.0197157994 1.499792e-02 -2.539350e-02
## 63 0.0790825745 -0.0750188726 0.0442489970 -5.603087e-03 -2.604586e-02
## 64 0.0233407158 0.0449815673 -0.0857511712 -3.503663e-02 -9.447755e-03
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## 68 0.0046803159 -0.0119019757 -0.0141499432 -9.308424e-02 -1.449537e-02
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## 82 0.0207458546 -0.0321401822 -0.0406407682 -7.416288e-02 -5.766822e-02
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## 93 -0.0116330749 -0.0141077817 0.0730880934 1.860235e-02 -5.557105e-02
## 94 0.0185212820 -0.0656997988 -0.0854539860 5.104560e-02 2.818099e-02
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## 97	0.0009136942	0.0402329803	-0.0735090143	-4.897691e-02	2.790435e-02
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## 99	-0.0160208614	-0.0286264767	0.0086157560	6.234818e-03	7.253970e-02
## 100	-0.0167292764	0.0471548551	0.1272095871	-3.321916e-02	1.968674e-02
## 101	0.0113982876	0.0898683184	0.0242762182	-5.275349e-02	-8.427516e-02
## 102	0.0448086785	-0.0358509560	0.0523229431	-3.185171e-02	-5.234428e-03
## 103	0.0692848631	0.0629231079	-0.0514992432	-3.350167e-02	-1.936277e-02
## 104	0.1082442153	-0.0109961381	-0.0700469972	8.899815e-03	7.587296e-02
## 105	0.0537391212	0.0077818636	-0.0174717223	-4.120919e-02	-3.785638e-05
## 106	0.0470572008	-0.0043295876	0.0527368395	7.544155e-03	-8.651262e-02
## 107	0.0295577568	-0.0781502281	0.0161600268	7.335884e-02	6.134339e-04
## 108	0.0031940316	-0.0569947705	-0.0237401793	5.551267e-02	-3.917773e-02
## 109	0.0032441529	-0.0347506118	-0.0020207761	-1.525021e-02	-4.742059e-02
## 110	-0.0161433622	-0.0075660991	0.0103778683	-1.106989e-02	-3.624451e-02
## 111	0.0237168597	-0.0662357790	0.0345300662	5.584037e-02	2.497445e-02
## 112	0.0023177785	-0.0039488113	0.0495140839	2.728920e-02	9.429014e-02
## 113	-0.0352837371	-0.0094434126	0.0718749452	-3.403472e-02	4.478950e-02
## 114	0.0008394866	-0.0046111510	0.0109188862	-9.879372e-02	-8.523899e-03
## 115	-0.0539223252	-0.0324645011	0.0913751770	-7.834636e-02	-1.467903e-02
## 116	0.0507194267	-0.0199231228	-0.0118305786	2.608079e-03	-2.516386e-02
## 117	-0.0095014433	0.0225628692	0.0807952294	-2.844575e-02	5.931713e-03
## 118	-0.1205902565	-0.0632346361	0.0134082762	3.463159e-02	-6.006987e-02
## 119	0.0279002492	-0.0039407415	0.0655091607	7.825968e-02	-1.048674e-02
## 120	-0.0498809867	-0.0104837653	0.0373748738	-3.983194e-02	-3.228352e-02
## 121	-0.0230627372	0.0584087813	0.0278371992	-1.785233e-02	-2.068917e-02
## 122	-0.0467656186	0.0822603952	-0.0430844967	-2.931275e-02	-7.791737e-02
## 123	0.0017850121	0.0348109796	0.0368238073	4.088959e-02	3.111308e-02
## 124	0.0081961815	-0.0202240101	0.0043250368	3.197237e-02	2.649481e-03
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## 126	-0.0483416520	-0.0210486627	0.0222657253	4.142152e-02	4.288179e-02
## 127	-0.0290485414	-0.0076735431	-0.0118395090	1.126460e-01	7.300189e-02
## 128	0.0135765949	0.0059692511	-0.0090872918	7.185207e-02	-8.823211e-02
## 129	0.0325305145	-0.0130486795	-0.0329932017	-5.403531e-03	8.764966e-02
## 130	0.0017507403	-0.0526871698	-0.0653000472	-1.235165e-02	5.560940e-03
## 131	0.0060616203	0.0256623541	-0.0698834313	4.592599e-02	2.057004e-02
## 132	-0.0197666583	0.0634919253	-0.0098558366	-1.236152e-02	6.606358e-02
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## 135	0.0046819127	-0.0054508098	0.1139797906	5.667365e-02	-9.970211e-03
## 136	-0.0178136724	-0.0390697365	-0.0463559253	3.190938e-02	-3.818790e-02
## 137	-0.0806595449	-0.0463428170	0.0520028575	-4.345843e-03	-1.662554e-02
## 138	0.1037650485	-0.0450478630	0.0316182771	-2.358490e-02	-1.232246e-01
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## 144	-0.0812687107	0.0131043658	0.0164011797	-4.756113e-03	2.048655e-02
## 145	-0.0052453876	0.0025180139	-0.0951766100	2.684873e-02	-1.149247e-02
## 146	-0.0221094642	-0.0292305893	-0.0793307885	8.299165e-03	6.172738e-02
## 147	-0.0342229211	0.0192106401	0.0290839151	2.068953e-02	-7.998897e-02
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## 158 0.0657757698 -0.0045948624 -0.0133273372 -2.090955e-02 4.812231e-03
## 159 0.0329933650 -0.0531670350 -0.0833407879 -1.092516e-02 1.279189e-02
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## 161 -0.0620168838 -0.0768309285 -0.0375696356 8.602251e-02 3.590476e-02
## 162 -0.0398983156 -0.0335820908 -0.0246413194 1.110827e-02 1.242545e-02
## 163 -0.0276588429 -0.0386366143 -0.0282788511 -3.608432e-02 -5.310923e-02
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## 177 0.0409544386 0.0165728365 -0.1279013885 1.633015e-02 1.406923e-02
## 178 -0.0127531092 -0.0152564703 -0.0289284102 -5.833872e-03 -3.898691e-02
## 179 -0.0456795769 -0.0203155753 0.0808086061 -3.134659e-02 1.099741e-01
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## 181 -0.0040764975 0.0296964017 0.0298676714 6.404127e-02 3.180740e-02
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## 185 0.0019830584 0.0588495625 0.0247157101 -1.074359e-01 -1.034676e-01
## 186 0.0300827684 -0.0072497371 0.0246933082 3.607750e-04 -4.659599e-02
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## 189 0.0716783464 0.0347390421 -0.0542197196 3.331281e-03 -2.979964e-02
## 190 0.0244053379 -0.0436686922 0.0335875436 4.029770e-02 7.109638e-03
## 191 0.0118702719 -0.0527989955 0.0369579912 6.668654e-02 8.588385e-02
## 192 -0.0396401604 -0.0005118013 -0.0169362030 -1.201281e-02 6.408557e-03
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## 197 0.0358554189 0.0311795427 0.0135164047 -2.368526e-02 -1.047116e-02
## 198 0.0779904078 -0.0296341845 0.0166310987 -2.747140e-02 3.075089e-02
## 199 0.0116650376 0.1002091236 -0.0128228896 4.270748e-03 -5.938775e-03
##      V306      V307      V308      V309      V310
## 1 0.0296886825 1.832557e-02 0.1203535473 -0.0687712403 -0.0098656386
## 2 0.0269923542 -4.228438e-02 0.0118529973 0.0187544219 0.0149961279
## 3 0.0774131343 9.704448e-03 -0.0495762419 -0.0277629879 0.0024283249
## 4 -0.0848376866 3.286725e-02 -0.0269196443 -0.0409085530 0.0282157272

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## 5	-0.0214087474	3.989816e-02	0.0397746446	0.0325041030	0.0727132782
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## 7	0.0349597741	2.692758e-02	-0.0130681399	0.0152482345	0.0313135706
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## 13	0.0304176644	-1.569320e-03	-0.0254729794	0.0089783080	-0.0219080372
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## 15	-0.0373046166	2.869194e-02	-0.0342496680	-0.0185002596	0.0050872175
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## 17	0.0875132622	1.066306e-02	-0.0345892858	0.1018892696	-0.0317086442
## 18	-0.0328058651	1.351954e-02	-0.0028310065	-0.0376983388	-0.0584611265
## 19	0.0472038087	-2.849294e-02	0.0108435814	-0.0342579222	-0.0640455304
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## 21	0.0026455148	4.324156e-02	0.0117944227	-0.1161681208	0.0123723985
## 22	-0.0526275739	2.925269e-02	0.0653578316	-0.0651551290	0.0740260035
## 23	-0.0135210349	3.138412e-03	-0.0148057973	0.0185608364	-0.0106642905
## 24	-0.0122619254	-4.171778e-02	0.0921442940	-0.1030905745	0.0318867612
## 25	-0.0277031505	-1.062565e-02	-0.0481437440	0.0992486570	0.0308270044
## 26	0.0165313263	7.290385e-02	0.0043694562	0.0254017724	-0.0740108030
## 27	-0.0411396034	3.918956e-02	-0.0417004796	0.0088196565	-0.0404119556
## 28	0.0591092244	-4.390377e-02	0.0231295094	0.0011992258	0.0394871995
## 29	-0.0931289794	8.808071e-03	0.0475016025	-0.0287148937	-0.0146559085
## 30	0.0717763715	-5.416374e-02	-0.1388544016	-0.0075704243	-0.0240562510
## 31	0.0554668965	1.739723e-02	-0.0091206920	-0.0084480135	0.0023922072
## 32	-0.0202342669	6.403416e-02	-0.0067650635	-0.0571142049	-0.0418040360
## 33	-0.0367238965	-5.143973e-02	0.0408354530	-0.0302764816	0.0241706142
## 34	-0.0435536513	3.778714e-02	-0.0263592749	-0.0251188571	-0.0162421220
## 35	-0.0447133996	3.502198e-02	-0.0466162625	0.0267853883	-0.0125480591
## 36	-0.0133225555	-1.254398e-02	-0.0406182940	0.0334995215	0.0210549483
## 37	-0.0307748200	1.498631e-02	0.0195115028	-0.0310458122	0.0490183687
## 38	0.0304046879	-1.512259e-02	-0.0842762875	-0.0151308254	0.0569293633
## 39	0.0333929168	-5.807735e-02	-0.0528347495	-0.1080663237	0.0402839349
## 40	0.0502548148	-3.589056e-03	-0.0364387373	-0.0493526051	0.0018254757
## 41	0.0395523230	2.022283e-02	-0.0293881753	-0.0521900884	0.0032305485
## 42	0.0376403524	9.755570e-02	0.0598984594	-0.0147100475	-0.0579958180
## 43	-0.0749526260	2.275836e-02	0.0014228137	0.0967943419	-0.0822923541
## 44	-0.0363160983	-4.300718e-02	0.0708861362	0.0588469263	0.0406893217
## 45	-0.0510620989	5.119651e-03	-0.0326028861	-0.0022913893	0.0074652152
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## 47	0.0369171922	7.843873e-02	0.0238672927	-0.0363908328	0.0470643023
## 48	-0.0206034813	-3.490870e-02	0.0324316354	-0.0002357946	-0.0567127220
## 49	-0.0339317002	2.880306e-03	-0.0016861727	-0.0154903418	0.0367607852
## 50	-0.0108828196	4.965364e-02	0.0112409243	0.0578278847	0.0920456600
## 51	-0.0166611166	-7.752030e-03	0.0898903212	-0.0119574115	0.0581725726
## 52	0.0768141268	-4.172734e-02	0.0760508564	-0.0684454022	-0.0213011044
## 53	0.0355781621	-3.929482e-02	0.0339990339	0.0411818798	0.0130283524
## 54	-0.0114027654	-2.482058e-02	0.0588816988	0.0006230376	0.0613561655
## 55	0.0098496580	2.386144e-02	-0.0586939816	0.0040086020	-0.0252595275
## 56	-0.0637925068	-2.426313e-02	-0.0016315863	-0.0291716312	-0.0453405635
## 57	0.0505712874	-5.424802e-05	0.0058130259	0.0447280661	0.1371072668
## 58	-0.0269221382	4.991628e-02	0.0230900382	0.0019309399	-0.0531063867

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## 59 0.0039247883 -5.073915e-02 -0.0203702536 0.0333265693 -0.0180356532
## 60 -0.0648169267 -4.854795e-02 0.0603129500 -0.0127185455 -0.0370963501
## 61 0.0287916993 4.939918e-02 -0.0431785051 0.0368925386 0.0625547018
## 62 -0.0308441106 -1.193463e-02 -0.0137742926 0.0241794304 0.0202814800
## 63 -0.0016993845 9.259435e-02 0.0494977675 -0.0013566422 0.0585413947
## 64 -0.0288852613 7.394826e-02 -0.0263116101 -0.0188796109 -0.0719026077
## 65 -0.0165931450 -5.770284e-03 -0.0660827326 -0.0117143182 -0.0657843778
## 66 -0.0617413834 -3.494953e-02 0.0026858298 -0.0654859612 0.0567412732
## 67 0.0091932268 7.835363e-03 -0.0592248371 -0.0357395830 0.0068129423
## 68 0.0227734673 5.221862e-02 -0.0524219944 -0.0113311322 0.0182225499
## 69 -0.0019998222 6.105797e-02 -0.0350610968 0.0513498725 0.0376024802
## 70 0.0453366661 -3.211370e-02 0.0395449897 -0.0339901058 0.0742571072
## 71 0.0572472281 -3.546034e-02 0.0007618378 0.0646355142 0.0363837149
## 72 0.0287004858 -1.302168e-03 -0.0700967588 -0.0169455882 0.0239058463
## 73 -0.0281409691 -4.482513e-02 -0.0519759728 -0.0402342463 -0.0060842133
## 74 0.0033594110 -4.753211e-02 0.0431176520 0.0019572823 -0.0461197655
## 75 -0.0228346552 -1.244637e-02 0.0119344256 -0.0533350895 -0.0077975346
## 76 0.0276907116 -6.365996e-02 -0.0375828788 0.0450353307 0.0491457697
## 77 0.0488090549 -2.665215e-02 0.0520880835 0.0164726815 -0.0458915342
## 78 0.0267286172 -7.202852e-02 -0.0431789635 -0.0751780246 -0.0206564700
## 79 0.0143954802 -2.656615e-02 0.0041363571 0.0036752684 0.0333749864
## 80 0.0228150561 -2.528721e-02 -0.0087807334 -0.0231877336 -0.0197057552
## 81 -0.0788388082 -4.056094e-02 0.0529707955 0.0418793531 -0.0151914848
## 82 0.0159398881 8.667634e-03 -0.0491738608 0.0097136943 0.0424087923
## 83 -0.0288235138 -9.162658e-03 -0.0046991864 0.0555328161 0.0058856630
## 84 0.0106586229 -5.026668e-02 0.0057760590 -0.0177764205 0.0750614045
## 85 0.0131452684 -4.820337e-02 0.0733506954 0.0689763719 -0.0113762872
## 86 0.0297669844 1.841490e-02 0.0217659451 0.0060712789 0.0494712258
## 87 0.1278772127 5.296902e-02 0.0096569501 -0.0060733619 0.0166969992
## 88 0.0793967531 -1.499421e-02 -0.0107655069 -0.0453246196 -0.0029161619
## 89 -0.0136922960 3.047074e-02 0.0474259904 -0.0017203374 -0.0097030063
## 90 -0.0617490902 2.690075e-02 -0.0014875612 0.0313486599 0.0061389209
## 91 0.1123136619 -2.871106e-02 -0.0035778279 0.0415967541 0.0416904655
## 92 0.0634018542 5.329689e-02 -0.0357460573 -0.0326628305 -0.0511164167
## 93 -0.0510257550 -6.425335e-02 -0.0538241151 -0.0574321202 0.0256671906
## 94 -0.0008276168 2.308083e-03 0.0340899744 0.0309084706 -0.1152480050
## 95 -0.0293507470 2.057539e-02 -0.0669877063 -0.0573931664 -0.0662101071
## 96 0.0570700045 2.173974e-02 0.0242062405 0.0642690489 -0.0016540362
## 97 -0.0154073163 3.770028e-02 0.0165208125 -0.0108974272 -0.1140232296
## 98 0.0913417328 4.412374e-02 -0.0068904276 0.0352410382 0.0279937436
## 99 -0.0524627668 4.562164e-02 0.0910620802 0.0278496749 -0.0323456792
## 100 0.0007842515 5.374399e-02 -0.0592174926 0.0176770359 -0.0326341255
## 101 -0.0298151313 -4.254029e-02 -0.0680201340 -0.0185068576 0.0475636358
## 102 0.0129746168 -1.487294e-02 0.0617920345 -0.0262189094 0.0002946488
## 103 0.0153766990 -3.201492e-03 -0.0480113806 -0.0425808504 -0.0239637837
## 104 0.1009865768 3.827239e-02 -0.0754262764 0.0022268062 0.0051698909
## 105 0.0497586049 4.772424e-02 0.0210055190 0.0590165437 0.0109599558
## 106 -0.0078850740 -9.022482e-02 -0.0520380587 -0.0208982342 0.0081089795
## 107 -0.1333753314 -4.593906e-02 -0.0416272485 -0.0427003860 0.0206001212
## 108 -0.0698165662 4.138521e-03 0.0563375283 -0.0623351509 0.0529907185
## 109 0.1369781931 1.419378e-02 0.0747986523 0.0216840218 -0.0505665012
## 110 0.0447167176 1.668892e-02 -0.0361392179 -0.0210477937 0.0474543394
## 111 -0.0570908709 1.882766e-02 0.0556431963 0.0418545675 0.0377426003
## 112 -0.0690677724 4.217304e-02 0.0836582833 0.0320451531 0.0657109273

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## 113 0.0461766617 1.936940e-02 0.0011493863 0.0356541596 0.0271751605
## 114 -0.0127124835 8.421888e-03 0.0543613912 -0.0364854878 0.0064152594
## 115 -0.0541208964 3.419173e-02 -0.0154657310 0.0761044975 0.0813345505
## 116 -0.0312516539 4.349656e-02 -0.0060410632 -0.0159778593 -0.0554283339
## 117 0.0146887123 7.071421e-02 -0.0008593550 -0.0637999163 0.0146721035
## 118 -0.0068387597 -3.121214e-02 -0.0706064759 -0.0078548401 -0.0828217746
## 119 0.0130546832 -1.139439e-02 -0.0032041583 -0.0225856911 -0.0190276897
## 120 -0.0101413230 -2.173638e-02 -0.0160968716 -0.0179384944 0.0092635592
## 121 -0.0238518365 -2.652605e-02 0.0166786594 0.0185453394 -0.0090876404
## 122 0.0830552777 7.276601e-02 0.0124032868 -0.0075559148 -0.0065188437
## 123 -0.0150210720 -3.422237e-03 -0.0037081424 -0.0188124411 -0.0010379162
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## 127 -0.0156286458 -9.982202e-02 -0.0388665171 0.0039789819 -0.0633888917
## 128 0.0035877340 -4.508748e-02 0.0608403220 -0.0267459000 -0.0150785378
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## 134 -0.0724231064 -2.969254e-02 -0.0503236826 0.0477943867 0.0141179377
## 135 0.0004342767 6.222994e-02 -0.0979471584 0.0242605070 -0.0225286498
## 136 -0.0717128141 3.049694e-02 0.0325976825 0.0201624186 -0.0244539078
## 137 0.0374172611 -7.664925e-02 -0.0160106540 0.0001193288 -0.0135384704
## 138 0.0624190816 -4.602259e-02 -0.0388839280 0.0343595193 0.0496973856
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## 143 -0.0539079507 1.895688e-02 -0.0616681840 0.0100175719 -0.0038976026
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## 147 0.0244320880 -9.924848e-02 -0.0190678755 -0.0397738628 -0.0199266729
## 148 -0.0415697233 -8.301831e-02 0.0536292248 0.0244281198 -0.0156503731
## 149 0.0545336036 4.461832e-02 -0.0161234157 -0.0089925168 -0.0038972726
## 150 -0.0360388943 -2.831248e-02 0.0313751560 0.0237107210 0.0122680610
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## 154 -0.0263493611 -1.173960e-02 -0.0168924356 0.0499025933 0.0110461138
## 155 0.0231037298 1.745986e-02 0.0304582098 0.0451295363 -0.0524813795
## 156 -0.0299502895 9.440302e-02 -0.0534476587 -0.0249801581 -0.0390213895
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## 161 0.0384948427 -4.201957e-02 -0.1071997139 0.0088469594 0.0487845852
## 162 -0.0294885723 6.445741e-02 -0.0184710688 -0.0299767924 -0.0234164174
## 163 0.0425081503 3.763157e-02 0.0007688400 0.0883993674 -0.0236214449
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## 167 -0.0390165659 -1.248814e-02 0.0828526727 -0.0622617218 0.0249786710
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## 170 0.0336413391 -1.302655e-02 0.0013945525 0.0006198519 -0.0450289662
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## 172 0.0158041164 -2.238652e-02 -0.0487915794 0.0305245052 0.0108960681
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## 176 0.0456235907 -6.007013e-02 -0.0102982817 0.0408280847 -0.0010181704
## 177 -0.0072457828 2.489514e-02 0.0834368310 -0.0487016145 0.0288379270
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## 179 -0.0348261458 -1.935729e-02 -0.0723712052 -0.0533695001 -0.0166197010
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## 182 -0.0029234053 -1.998072e-02 -0.0191304672 0.0179905500 -0.0313530650
## 183 -0.0187468078 8.234200e-02 -0.0039097498 0.0478481888 0.0634249576
## 184 0.0176523798 -1.177347e-02 -0.0210757151 0.0420557081 -0.0705828067
## 185 0.0911062754 -1.745369e-02 0.0070043091 -0.0524044908 -0.0795691835
## 186 0.0169217940 -6.743934e-02 0.0275746594 0.0611627061 0.0287904992
## 187 0.0195586115 -1.193849e-01 -0.0754776739 -0.0368254896 -0.0917684814
## 188 0.0769376595 2.199726e-02 0.0168668468 -0.0097243859 -0.0108449126
## 189 -0.0463679943 -5.848533e-03 -0.0044077740 -0.0439132432 -0.0209983540
## 190 0.0216981081 -7.571804e-02 0.0410516945 0.0509455272 0.0249054056
## 191 0.0037433850 -6.106042e-02 0.0679941254 -0.0385593708 0.0379579507
## 192 0.0369190386 -3.119365e-02 0.0046136370 -0.0049842147 -0.0142784712
## 193 -0.0205298207 2.477095e-02 -0.0304209171 0.0058737724 -0.0218147975
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## 195 -0.0156438776 -9.008508e-03 0.0248078507 -0.0297980615 0.0255037031
## 196 0.0107810049 4.384301e-02 -0.0329562782 0.0019783865 0.0545010796
## 197 -0.0235974451 -3.052139e-02 0.0131954097 0.0082007000 -0.0242909254
## 198 -0.0040501551 1.657356e-03 0.0341551844 0.0290487961 0.0031301684
## 199 0.0616390713 -7.628435e-02 0.0146742466 -0.0409390282 -0.0097882889
##      V311      V312      V313      V314      V315
## 1 0.0066134815 4.925946e-02 0.0137910250 -0.0341618282 -0.0420350515
## 2 0.0174110273 7.855437e-03 0.0450763262 0.0101533848 -0.0434994629
## 3 -0.0223150540 -4.039719e-02 0.0032242462 -0.0388765764 -0.0697773533
## 4 -0.0221597297 -1.139747e-02 -0.0192947444 0.0131318792 -0.0068808989
## 5 -0.0798649804 -1.538816e-02 -0.0002916383 0.0201165750 -0.0476190700
## 6 -0.0286096876 -3.497439e-02 0.0585666131 0.0057187956 0.0707693823
## 7 0.0195555389 -4.615740e-03 0.0103352152 -0.0097004413 -0.0365412431
## 8 0.0021648253 -4.435903e-03 0.0247633548 0.0496644726 0.0232516251
## 9 0.0231504026 -5.953907e-02 0.0418176377 0.0189166465 -0.0395808763
## 10 0.0074456113 7.707032e-05 -0.0261090191 -0.0492994535 0.0310260097
## 11 -0.0291961678 2.434578e-02 -0.0490358415 0.0221550606 0.0456820443
## 12 0.0043636385 1.198125e-03 0.0674278120 0.0069587439 -0.0682033714
## 13 -0.0546640935 -4.974946e-02 0.0066156193 0.0173076547 -0.0060874683
## 14 -0.0424485057 -7.385265e-02 0.0182690503 -0.0610492338 0.0332592419
## 15 -0.0487812440 -1.022888e-02 0.0479064185 -0.0607220921 -0.0274794443
## 16 -0.0339608409 -1.115147e-02 -0.0413294148 0.0545707790 -0.0131007605
## 17 0.0187621641 8.858879e-03 0.0349412468 -0.0179380061 -0.0497273835
## 18 -0.0148517752 -4.954280e-02 -0.0083061377 -0.0225561218 -0.0360485443
## 19 -0.1300435402 9.862298e-02 -0.0554620211 -0.0324264917 -0.0075610260
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## 21 -0.0562898415 -2.153893e-02 -0.0239565234 -0.0688795514 -0.0106506458
## 22 -0.0190174953 1.161924e-02 -0.0459564182 0.0488407039 0.0117271705
## 23 -0.0061268659 8.010152e-02 -0.0747111104 -0.0694243317 0.0083239318
## 24 0.0433319901 1.986929e-02 -0.0460924153 0.0597626929 -0.0067349598
## 25 0.0745013742 7.054061e-02 -0.0220174050 -0.0551470988 0.0317693199
## 26 0.0361070158 -4.151831e-02 -0.0604338500 -0.0482218723 0.0740534720
## 27 -0.0478809501 1.181847e-02 -0.0171120580 -0.0280337338 -0.0377068916
## 28 -0.1125307095 -7.313554e-02 -0.0050614412 -0.0079008576 0.0134635317
## 29 0.0177018402 -7.476278e-03 -0.0205814142 -0.0262053155 -0.0095115061
## 30 0.0505343639 -4.753736e-02 -0.0065915199 -0.0698974450 -0.0142342000
## 31 0.0530198053 8.713816e-02 -0.0069374586 -0.0315018025 -0.0248077386
## 32 -0.0356558712 -6.838171e-02 -0.0315484442 -0.0136982325 -0.0173346265
## 33 0.0228432824 1.336778e-02 -0.0311793344 0.0046384976 -0.0585468435
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## 35 -0.0051303169 6.323461e-02 0.0032387282 -0.0015195395 -0.1274928566
## 36 -0.0098325748 3.896828e-02 0.0761007504 0.0336484642 -0.0095928318
## 37 0.0129045043 1.786278e-03 0.0584041404 0.0581965881 0.0002560727
## 38 -0.0290727647 5.532727e-02 0.0417515137 0.0645166484 -0.0186364417
## 39 0.0096168760 5.166361e-02 0.0267565070 0.0340905784 -0.0334853747
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## 42 0.0219051892 -7.352019e-02 -0.0504490033 -0.0120148242 -0.0187227976
## 43 -0.0189901668 2.002583e-02 -0.0556797282 0.0029083850 0.0612127699
## 44 -0.0418484794 9.596678e-03 0.0115785067 -0.0072227372 -0.0235201647
## 45 0.0661649354 8.025736e-02 0.0820391124 -0.0093279590 0.0393783017
## 46 0.0393805262 4.754668e-02 0.0788080352 -0.0354891464 0.0450290559
## 47 -0.0152952536 -3.417422e-02 0.0032802473 -0.0159359914 0.0222799871
## 48 0.0149033605 -1.216966e-02 -0.0157320949 -0.0264491505 -0.0049404443
## 49 0.0107571865 -7.691401e-03 -0.0342333769 0.0129799156 0.0029453004
## 50 0.0114074252 3.986780e-02 -0.0531543524 -0.0020722967 -0.0106285122
## 51 0.0001226199 4.626674e-03 -0.0092293280 -0.0362803203 -0.0768262203
## 52 -0.0089599786 -1.479117e-02 -0.0422405407 0.0063860853 -0.0888298602
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## 54 0.0209036740 -4.485927e-03 -0.0347051542 -0.0004794426 -0.0063347661
## 55 -0.0309125303 -5.761994e-02 0.0096852808 0.0738751123 0.0650193561
## 56 0.0801172021 -1.155771e-01 -0.0327004749 0.0014527379 0.0245126010
## 57 0.0120063553 1.098309e-01 -0.0048035201 0.0756751798 -0.0366423180
## 58 0.0192901552 -2.111401e-02 -0.0441366908 0.0762021457 -0.0307827886
## 59 0.0373832414 -1.117278e-02 -0.0035323296 0.0595845403 -0.0294757110
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## 61 0.1066814993 -2.254781e-02 -0.0879380520 -0.0494543558 0.0095290922
## 62 -0.0179740106 -6.014549e-02 -0.0228131009 -0.0334929009 0.0037511489
## 63 -0.0330238852 -5.719733e-02 0.0380447940 -0.0073672660 -0.0339586109
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## 65 0.0155874756 -9.661850e-02 0.0883714564 0.0017286198 -0.0884096451
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## 67 0.0074384245 8.012361e-04 0.0444596101 0.0380702645 -0.0518909694
## 68 0.0495847416 2.947106e-02 -0.0550525556 0.0159539292 0.0569941018
## 69 0.0147514165 -2.122384e-02 0.0435848072 0.0475758707 -0.0015447695
## 70 -0.0207237386 -1.308702e-02 -0.0218950440 -0.0266875046 -0.0097784846
## 71 0.0180038454 -5.204026e-02 0.0022798034 0.0363916352 0.0397097269
## 72 -0.0226128526 -1.011114e-02 0.0052155117 -0.0857125065 -0.0600075591
## 73 0.0056680300 -9.582939e-03 0.0717652144 0.0288732261 0.0662030381
## 74 0.0231591959 -8.093063e-03 0.0221106391 0.0292064543 0.0096452924

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## 75 0.0105275348 -1.013407e-02 0.0306762247 -0.0164001790 0.0182268758
## 76 -0.0289243899 5.112784e-02 -0.0945594134 0.0965634970 -0.0245872115
## 77 0.0575149207 -6.816895e-02 -0.0071769380 0.0802808746 -0.0117715275
## 78 0.0669801260 -3.821010e-02 0.0177914297 0.0845922538 -0.0397203966
## 79 0.0327932506 -9.842148e-02 -0.0338383279 0.0351772953 0.0529278452
## 80 -0.0008858449 1.038741e-01 0.0310056544 -0.0429710706 -0.0237818233
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## 82 0.0347390229 -3.091128e-02 -0.0212177909 -0.0137118979 -0.0027279690
## 83 -0.0188571563 -7.831710e-03 -0.0089496708 -0.0131900157 0.0315844924
## 84 0.1057801932 -9.602571e-02 0.0513856397 0.0685546167 0.0101099416
## 85 -0.0024108827 2.421857e-03 0.0231147107 0.0204356225 0.0775330023
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## 87 0.0381869010 3.665647e-02 0.0748700964 -0.0377824357 0.0757528634
## 88 -0.0290550703 6.396614e-03 0.0017911677 0.0132628599 0.0660350998
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## 90 0.0216300738 -9.240201e-02 -0.0541266147 0.0389672339 -0.0904203059
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## 92 0.0177351771 6.480500e-03 -0.0017302380 0.0503184914 -0.0404364151
## 93 -0.0715609808 2.921799e-02 -0.0014612607 0.0165944222 -0.0513011626
## 94 0.0419181034 1.776168e-03 -0.0161363396 0.0125898934 -0.0323444818
## 95 0.0096986954 -2.745538e-02 -0.0218480805 0.0183762678 -0.0130711988
## 96 -0.0615529912 7.888682e-03 -0.0422295236 0.0004194348 -0.0086433410
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## 98 -0.0275332886 -3.424455e-02 0.0621254897 -0.0396471151 0.0052399499
## 99 -0.0820985456 -3.214419e-02 -0.0174371316 -0.0066552812 -0.0151753857
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## 129 -0.0062420599 1.321522e-03 0.0378683962 0.0527878864 0.0199005294
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## 131 -0.0132372309 3.439770e-03 -0.0132868420 -0.0164346510 0.0068980071
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## 145 -0.0364423447 -7.076220e-02 -0.0074466050 0.0022918107 0.0412268905
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## 153 -0.0147246802 5.739281e-02 -0.0159016923 0.0167075212 -0.0331595771
## 154 0.0513782721 -5.652975e-02 0.0023409586 0.0156851688 0.1194341736
## 155 -0.0218377687 1.310406e-02 -0.0360039697 -0.0054001327 0.0783748036
## 156 0.0197645902 4.352344e-02 0.0044550910 0.0387926443 0.0062071974
## 157 -0.0059806362 1.166129e-02 0.0497328217 0.0283313130 0.0568259218
## 158 0.0227966614 -1.455384e-02 0.0029298910 0.0296664973 0.0132363860
## 159 0.0543193041 -7.360093e-02 0.0773056922 -0.0353241588 -0.0828344134
## 160 0.0087937613 -1.664554e-02 -0.0240369371 -0.1265270954 -0.0218280988
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## 162 -0.0252741130 3.947949e-02 -0.0304724803 -0.0508816246 0.0523816272
## 163 0.0177324136 2.879903e-02 -0.0544225659 -0.0006635769 0.0034075144
## 164 0.0681508099 -3.415324e-02 -0.0099438732 0.0025072316 -0.0308641398
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## 166 -0.0045885093 6.777256e-02 0.0397904382 0.0276986534 0.0253306909
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## 168 -0.0360166932 -2.755489e-03 0.0030551792 -0.0794745264 0.0646312042
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## 174 -0.0526080796 -2.587447e-02 0.0294380811 0.0958415093 0.0771921729
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## 177 0.0083206275 3.484721e-02 0.0233556987 -0.0125452120 -0.0071427224
## 178 0.0528434021 5.980661e-02 0.0546514510 -0.1028521026 0.0164828929
## 179 -0.1238206235 -6.584397e-02 -0.0298805469 -0.0181029157 -0.0450112182
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## 181 0.0523504986 2.028529e-02 0.0394899869 -0.0350472855 0.0644763928
## 182 0.0144929920 1.898264e-03 -0.0283283095 -0.0056576461 -0.0014443177

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## 183 0.0304825984 3.608439e-02 0.0480315570 0.1130258638 -0.0727752439
## 184 0.0078417700 3.508362e-04 -0.0553906169 0.0389481578 0.0349152090
## 185 -0.0072556370 -2.903244e-03 -0.0626178665 -0.0277727263 0.0031739961
## 186 -0.0212717899 5.690640e-02 0.0742945012 -0.0325952189 -0.0143583064
## 187 0.0314254075 -2.879085e-02 -0.0290152700 -0.0656082614 0.0110454500
## 188 -0.0204612465 -4.139751e-02 -0.0813683580 0.0029021456 -0.0596930091
## 189 -0.0143438086 1.796420e-02 0.0062989672 0.0009917662 0.1031975810
## 190 0.0560650992 -2.663887e-03 0.0646442434 -0.0206959576 -0.0068207522
## 191 -0.0552000728 -1.154369e-02 -0.0541479192 -0.0232803559 -0.0724527442
## 192 -0.0025006683 -1.899793e-02 0.1427752040 0.0544742691 -0.0553416675
## 193 -0.0410596521 3.371125e-02 0.0089197929 -0.0889040399 -0.0660306971
## 194 -0.0267160091 5.637036e-03 0.1101231288 -0.0243049053 0.0920585449
## 195 -0.0067815966 -6.348918e-02 0.1028863264 -0.0429018214 0.0047100281
## 196 -0.0111475720 4.710615e-02 0.0227225114 0.0606932948 -0.0498454629
## 197 0.0758755250 1.551970e-02 -0.0496345060 -0.0011232431 -0.0135361871
## 198 -0.0030820320 -8.868411e-03 -0.0827110210 0.0051688435 -0.0385203213
## 199 0.0742249255 -2.858202e-02 0.0077096234 0.0116860404 -0.0137039822
##      V316      V317      V318      V319      V320
## 1 0.0208581175 -0.0381976460 0.0025244370 -0.042207557 -2.935312e-02
## 2 -0.0108693161 -0.0849998102 -0.0528344246 0.149818238 -4.731743e-02
## 3 -0.0059485484 -0.0447009456 -0.0094283538 0.059001706 -4.761777e-03
## 4 0.0816856493 -0.0414819601 -0.0258604454 -0.054049790 3.957719e-02
## 5 0.0277058598 0.0203857966 0.0326054288 -0.037633551 -3.119475e-02
## 6 0.0143876005 0.0963464441 0.0353998948 -0.006656208 6.768828e-02
## 7 -0.0517901945 -0.0200507529 0.0242032043 -0.027399601 -6.385196e-02
## 8 0.0052158278 -0.0092262991 0.0434745416 -0.001237430 -3.372897e-02
## 9 0.0377976073 0.0713894276 0.0807727525 -0.040606130 -5.237391e-03
## 10 0.0330085230 -0.0328203424 0.1122561889 -0.008024774 2.830669e-02
## 11 -0.0262514012 0.0392017486 0.0264758407 0.041122861 -1.280179e-02
## 12 0.0107373032 0.0055419116 0.0329382837 0.001801977 3.145818e-02
## 13 0.0045748216 -0.0020402972 -0.0255176892 -0.024887275 -1.591470e-02
## 14 -0.0311319984 0.0576139371 0.0273930374 0.025987901 -2.655983e-02
## 15 0.0536809387 0.0081371222 0.0673250294 -0.047200450 3.902375e-03
## 16 -0.0524075387 -0.0311760876 -0.0436639645 0.052931045 4.262930e-02
## 17 -0.0036426542 -0.0175170852 -0.0070988253 -0.010420913 9.721815e-02
## 18 0.0035351692 0.0092282113 0.0164167554 -0.009349514 -1.062102e-01
## 19 0.0500003191 -0.0497063309 -0.0400394200 0.057218996 1.897238e-02
## 20 -0.0404429892 -0.0171202371 -0.0228507201 0.015618230 -3.154791e-02
## 21 0.0499729225 0.0249138310 0.0199296838 0.011545346 3.626777e-02
## 22 0.0229484082 0.0271426884 0.0302393768 -0.018234555 1.110502e-02
## 23 0.0734073338 0.0476685727 -0.0089974214 0.004668754 -3.899657e-02
## 24 -0.0265789605 -0.0049481731 0.0476728404 -0.056451661 2.611840e-02
## 25 0.0346334166 -0.0011578577 0.0518557588 -0.020204268 -6.585254e-03
## 26 -0.0078932168 -0.0598459686 0.0089266301 0.010884014 7.387611e-03
## 27 -0.0841830843 -0.0259379729 -0.0066381032 0.027507955 2.756994e-02
## 28 -0.1112091453 -0.0049884467 0.0184214431 -0.026671860 5.406425e-02
## 29 0.0122740829 -0.0605582544 0.0278925202 0.009409600 -3.599210e-02
## 30 -0.0937075977 -0.0662268577 -0.0396049290 -0.038102404 -5.226195e-02
## 31 0.0512820706 -0.0254787378 -0.0348981084 0.027555470 6.305879e-02
## 32 0.0103151170 0.0236005136 0.0379273109 -0.032878841 1.323685e-02
## 33 0.0397198832 0.0129934690 0.0375850657 0.047008258 -2.919518e-02
## 34 -0.0420925544 -0.0394610449 -0.0182177054 -0.058489388 -2.957042e-02
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## 37 0.0080020425 0.0312314516 0.0264290120 -0.059922556 1.426743e-02
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## 42 -0.0088016459 -0.0038006548 0.0603437858 0.029291050 -1.380141e-02
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## 44 0.0238311348 0.0012676692 -0.0199672572 0.052215154 -7.196107e-02
## 45 0.0034655832 0.0235292841 -0.0425968528 -0.054724201 -3.357262e-02
## 46 -0.0204720856 -0.0105800850 0.0349753816 -0.006221412 -1.750833e-02
## 47 0.0935182231 0.0371367991 0.0240375075 -0.087702267 8.591635e-02
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## 60 -0.0044232586 0.0538824287 0.0179210933 -0.021738153 -6.196100e-04
## 61 -0.0120028378 0.0017480626 0.0359175139 -0.053216809 -1.437174e-02
## 62 -0.0058260935 0.0517080911 -0.0568153011 -0.034039400 -4.038245e-02
## 63 -0.0296770145 0.0387890929 -0.0798305546 -0.002513515 4.610184e-03
## 64 -0.0066537245 0.0445986420 0.0600778897 0.086536615 -3.212400e-02
## 65 0.0172431174 0.0431538570 0.0763603700 -0.023495604 -3.841950e-02
## 66 -0.0082277277 -0.0188815770 0.0480207770 -0.055611108 1.533096e-02
## 67 -0.0881291473 -0.0357528524 -0.0522266691 0.032090200 -2.116189e-02
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## 69 -0.0539562152 -0.0781314677 -0.0338085153 0.008719079 -3.084708e-02
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## 73 0.0402967963 0.1361633595 0.0273919393 0.020573158 -3.210671e-02
## 74 0.0908781594 0.0677689966 -0.0462182758 -0.048312788 -1.420528e-02
## 75 -0.0333928967 0.0843820164 0.0512172494 0.051932610 -4.702901e-02
## 76 -0.0286253252 -0.0037501948 0.0311347055 0.001149735 1.797385e-02
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## 78 0.0220249345 0.0192211055 0.0439480365 -0.014215037 -4.678483e-02
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## 80 0.0297998958 -0.0233992871 -0.0285111663 -0.039266137 -8.841061e-02
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## 83 0.0052054051 0.0539268958 0.0285291872 0.066859920 -2.596483e-02
## 84 -0.0716538149 -0.0098016801 -0.0616072349 -0.004801207 -2.297457e-02
## 85 0.0093434543 0.0283770210 0.0214651569 -0.021514952 4.758568e-02
## 86 0.0670121793 0.0185981216 -0.0145804546 -0.084597640 5.395570e-02
## 87 0.0089332976 0.1477822390 -0.0274548205 -0.054052421 -4.182289e-02
## 88 0.0791997706 0.0004843635 0.0023562249 -0.027847208 -4.890221e-02
## 89 0.0017203503 0.0786542858 -0.0366542722 0.024609073 -3.319837e-03
## 90 -0.0881615827 0.0458452972 -0.0141515598 -0.008381083 -2.538778e-02

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## 91 -0.0108999892 -0.0374124022 0.0198920436 0.030026450 3.752028e-02
## 92 -0.0032750349 -0.0832436717 -0.0206105898 -0.024411334 -9.466722e-03
## 93 0.0203930247 0.0451774995 -0.0243563071 -0.076578395 -2.035839e-02
## 94 0.0529433936 0.0510604252 0.0883426465 0.026836405 -5.807252e-02
## 95 0.0216207536 0.0421367224 0.0169437109 0.012425994 -4.749820e-02
## 96 0.0976982545 0.0188048199 0.0270293339 -0.094470979 4.134369e-04
## 97 -0.0200570475 0.0121986843 0.0224008506 0.115128759 -6.651488e-02
## 98 0.0103644613 0.0219529550 0.0689681467 -0.007206110 4.173095e-02
## 99 -0.0392892692 0.0326392898 -0.0194660842 -0.049296581 9.065567e-03
## 100 0.0106412343 0.0442350264 0.0226927151 -0.034233279 -6.969739e-03
## 101 0.0065775866 0.0360861305 0.0058523235 -0.008640631 -5.923062e-02
## 102 0.0213055514 0.0147544027 0.0647536953 -0.043725754 -3.370885e-02
## 103 -0.0520601997 0.0614519850 -0.0210333301 -0.063739113 5.017449e-02
## 104 0.0423021819 -0.0407837466 -0.0483316107 -0.050730031 2.149709e-02
## 105 -0.0102891759 -0.0302486135 -0.0456097978 0.008304265 -8.133306e-02
## 106 -0.0760437343 -0.0040855926 -0.0334866759 0.008203132 -1.203424e-01
## 107 0.0309283351 0.0197451549 -0.0333120400 0.046751223 2.507328e-02
## 108 0.0278501461 -0.0330085358 0.0106036491 0.042349174 5.095168e-02
## 109 -0.0583057234 -0.0214259146 0.0719094808 0.092134563 -3.151300e-03
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## 112 -0.0400272103 0.0458475884 -0.0627381041 0.059857045 3.978703e-02
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## 114 0.0035178432 -0.0250366045 -0.0283219778 0.039336242 -8.852309e-02
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## 117 -0.0986372370 0.0351781935 0.0361970308 0.003149317 1.089468e-02
## 118 -0.0363155036 -0.0551378122 -0.0158756190 -0.029055215 -2.844811e-02
## 119 0.0515735120 0.0803103601 0.0812652003 0.057213365 -6.830391e-02
## 120 0.0007101245 -0.0454459658 0.0580442177 0.015629104 -4.969131e-03
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## 122 0.0453742665 0.0723694394 -0.0188775706 0.025069027 9.416584e-03
## 123 -0.0868215134 0.0491889615 0.0491608089 0.007356675 3.483647e-02
## 124 0.0678039219 0.0185283190 0.0367372066 0.007764099 7.738144e-03
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## 126 0.0154585944 0.0028751895 0.0060723714 0.006767900 -3.471140e-02
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## 128 -0.0395783047 0.0187892821 0.0592034248 -0.062208874 2.376229e-02
## 129 -0.0144583676 -0.0079322891 -0.0105675636 -0.071362602 4.692711e-02
## 130 0.0851963938 -0.0019074589 -0.0243224453 -0.063181159 -4.398504e-02
## 131 -0.0019755676 -0.0210293432 -0.0038672098 -0.002341001 -5.272868e-02
## 132 0.0381886244 0.0422388136 -0.0131621983 0.053798686 -1.836168e-02
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## 134 0.0356466475 0.0026881902 -0.0520732039 0.019340601 8.335328e-03
## 135 -0.0347737703 -0.0959239146 -0.0320052717 -0.068620494 -8.329030e-03
## 136 -0.0202702639 -0.0155256452 -0.0184131143 -0.009348828 -1.217136e-01
## 137 -0.0299149218 0.0492303734 -0.0186770657 -0.027049482 9.888126e-03
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## 139 0.0880680328 -0.0104605720 -0.0191421868 0.019462271 5.983960e-03
## 140 0.0120759670 0.0847892561 -0.0186338173 -0.062246985 4.166285e-02
## 141 -0.0095519184 -0.0326953225 0.0257874927 0.044737414 -2.389880e-02
## 142 -0.0401141799 0.0312672487 -0.0439995237 -0.005415418 -6.274101e-02
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## 145 -0.0208665197 -0.0451223963 0.0070412976 -0.009696943 -5.251797e-05
## 146 0.0131989373 -0.0354131912 -0.1312961418 -0.074053876 -5.936999e-02
## 147 -0.0129519382 -0.0514657636 0.1068495131 -0.056754804 1.638728e-02
## 148 -0.0475722956 0.0779388265 -0.0300666697 0.029401627 -2.540342e-02
## 149 -0.0157330432 0.0086787291 0.0644540391 -0.029342469 9.644405e-03
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## 154 0.0086468813 -0.0217223520 -0.0537794299 -0.070570146 2.306506e-02
## 155 0.0341561085 0.0793154411 -0.0007932055 0.015975867 2.334570e-02
## 156 0.0631870272 -0.0665307975 -0.0138147149 -0.029104659 1.232760e-02
## 157 0.0345643451 0.0450664810 0.0415589725 -0.042461016 5.517256e-02
## 158 0.0042014135 0.0355037359 -0.0540347449 0.023075995 4.125053e-02
## 159 0.0461880311 0.0014294326 -0.0347811994 0.043611354 -2.154018e-02
## 160 0.0739282415 0.0119561233 0.0128823664 -0.022292908 2.384064e-02
## 161 0.0024731151 0.0131104641 0.0286463015 -0.001664087 -5.264966e-02
## 162 -0.0365826828 0.0057302752 0.0012321948 -0.004731783 3.079960e-02
## 163 0.0013960188 -0.0061282714 -0.0357762506 0.055461706 -2.050939e-02
## 164 0.0146838270 0.0758199347 0.0248546969 0.104760312 -4.360838e-02
## 165 0.0204371224 0.0212637842 -0.0261918190 0.034760533 -3.233825e-02
## 166 -0.0281530942 0.0340057367 0.0444181329 -0.001551384 -4.583704e-02
## 167 -0.0588087045 -0.0059577686 0.0524078410 0.025604696 8.546478e-02
## 168 -0.0637785281 -0.0773613234 0.0114266167 0.043773173 1.022324e-02
## 169 0.0054104683 0.0465522537 0.0013700594 -0.020512785 -3.930241e-02
## 170 -0.0101913974 0.0025749544 0.0409954906 -0.052288624 4.631069e-02
## 171 0.0345650264 0.0183069769 -0.0638227700 0.039390277 -1.559116e-02
## 172 0.1037528448 -0.0019264465 -0.0167510218 0.073622968 1.531956e-02
## 173 0.0303037009 -0.0026428674 0.0567108064 0.021993125 7.058459e-02
## 174 -0.0298534814 0.0229967470 0.0183827447 -0.061493823 -4.696498e-03
## 175 -0.0154418149 0.0584137997 0.0434821424 -0.012233931 -8.762523e-03
## 176 -0.0007438462 0.0232207981 -0.0120969715 -0.037264472 -3.912593e-02
## 177 -0.0175237864 0.0830487738 -0.0547453375 0.028355485 -6.123561e-03
## 178 -0.0221660920 -0.0114435419 -0.0470222998 0.010118914 -3.445663e-02
## 179 0.0020449010 -0.0432505095 -0.0667915292 -0.048784444 -2.165397e-02
## 180 -0.0041233162 -0.0324784179 0.0094276346 0.015356753 4.256506e-03
## 181 -0.0021744915 0.0101680817 0.0434253162 -0.010204263 1.971429e-02
## 182 -0.0639698582 0.0143300668 -0.0050973512 0.007760067 -3.190585e-02
## 183 -0.0243971817 -0.0392868180 -0.0532259850 0.031725283 4.708456e-02
## 184 -0.0317060891 -0.0114664897 -0.0257956274 0.083646005 -3.911402e-02
## 185 -0.0343249358 0.0111970355 -0.0309589402 0.005573451 -1.990162e-02
## 186 0.0557788358 0.0509365590 -0.0479875103 0.033609980 1.320640e-02
## 187 -0.0251564162 0.0515183497 0.0030573714 -0.016557267 -1.557582e-02
## 188 -0.0480177689 -0.0144415622 0.0102721590 0.038310055 1.393526e-03
## 189 0.0159440018 0.0210473866 0.0532644376 0.025179660 -4.803853e-03
## 190 -0.0035910523 -0.0010660106 -0.0100197030 -0.030696248 -5.306402e-02
## 191 -0.0180688254 -0.0318613673 -0.0700442285 -0.061443597 5.212209e-02
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## 193 0.0909989898 -0.0437002656 0.0002336675 0.014665279 -1.162885e-01
## 194 -0.0209674696 -0.0305519565 -0.0703605101 0.114662039 7.171189e-02
## 195 -0.0871327151 0.0894249664 0.0278602105 -0.038928076 -3.061919e-02
## 196 0.0117848779 0.0876335887 0.0080082560 -0.020641957 -1.306923e-02
## 197 0.0082569354 0.0179733742 -0.0389267699 0.011402725 1.271362e-03
## 198 0.0301105011 0.0259242264 0.0325476895 -0.024635848 1.444164e-02

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## 199	-0.0459601656	-0.0193634204	-0.0128059915	0.019252087	2.737662e-03
##	V321	V322	V323	V324	V325
## 1	-0.0287566441	-0.006941066	-0.0937714647	0.0267035203	-0.0153674119
## 2	-0.0594244928	-0.004249277	-0.0174506196	-0.0457548043	0.0205698631
## 3	0.0024672862	0.043797056	-0.0277174717	0.0095350582	0.0020810571
## 4	-0.0168994226	0.100834541	-0.0506601875	0.0239707098	0.0479928775
## 5	-0.0162654999	0.033443128	-0.0431431873	-0.0322446522	-0.0539863545
## 6	-0.0105827262	-0.036404039	-0.0335663435	-0.0415602523	-0.0778080292
## 7	0.0260900419	-0.059790421	-0.0302652144	-0.0200537584	-0.0579987040
## 8	0.0261989037	0.093313637	0.0229489322	0.0118377837	-0.0922021993
## 9	-0.0548286672	-0.045256846	0.0112833220	0.0314080733	-0.0783312356
## 10	-0.0002042959	-0.038863302	-0.0063580949	-0.0050089461	-0.0139458074
## 11	-0.0021524923	-0.047618836	0.0200687234	-0.0452617415	-0.0053430993
## 12	0.0648118882	0.036036806	-0.0023285818	0.0309828625	-0.0456497966
## 13	-0.0698666528	0.011466374	-0.0244846278	0.0342262412	0.0365229081
## 14	0.0139258665	0.016286600	-0.0379627211	0.0079005155	-0.0827322474
## 15	0.0036779183	-0.074575728	-0.0299055836	-0.0060194640	0.0404519096
## 16	0.0241648988	-0.027331411	0.0167795665	-0.0022305315	-0.0681088839
## 17	-0.0095093437	-0.041183592	-0.0529721407	0.0031754574	-0.0433880328
## 18	0.0532386002	-0.085958117	0.0249443351	0.0753831123	-0.0241158352
## 19	-0.0071964407	-0.020054886	-0.0443008575	-0.0283994706	-0.0482573528
## 20	0.0206873428	0.027508761	-0.0024504567	0.0597632982	0.0447687147
## 21	0.0253992472	-0.027389408	0.0041140461	-0.0011344849	-0.0041362922
## 22	0.0755485332	0.008238205	0.0030081675	0.0431619542	-0.0498161288
## 23	0.0078396873	0.053989656	0.0235588317	0.1185860308	-0.0280061428
## 24	-0.0241982532	-0.031250537	0.0195809090	0.0829313112	-0.0198271510
## 25	0.0199990059	0.019927041	0.0117726732	0.0203667664	0.0448193718
## 26	-0.0344539242	0.060821106	0.0038173630	-0.1003099840	0.0589574454
## 27	-0.0265105624	0.013806772	-0.0371954920	-0.0136156442	-0.0196960543
## 28	0.0273846653	0.071821701	0.0666115714	0.0340794067	0.0698798217
## 29	0.0070699152	-0.069039733	0.0068783562	-0.0336805850	0.0203827940
## 30	-0.0453493425	0.015757994	-0.0447219609	-0.0236413081	0.0215031210
## 31	-0.0262487280	0.076936464	0.1027850579	-0.0308063937	0.0039130777
## 32	0.0646588097	-0.032494900	-0.0531025231	0.0450377571	-0.0106882660
## 33	0.0134615562	-0.085581579	0.0178061996	-0.0437988229	-0.0376805598
## 34	0.0626515031	-0.010485246	-0.0062396336	-0.0134334306	-0.0061825968
## 35	0.0458010030	0.040454710	-0.0087256056	-0.0186492623	-0.0120380583
## 36	-0.0511059225	-0.020497110	-0.0063138869	0.0509379619	0.0048942976
## 37	-0.0496318999	0.008553881	-0.0322874946	0.0601797143	-0.0209357625
## 38	0.0930618748	-0.011998528	0.0665937188	-0.0336852901	0.0286605844
## 39	0.0144791951	-0.030292331	-0.1122052349	-0.0307526645	-0.0041160660
## 40	0.0068365898	-0.007556769	-0.0506970308	0.0253402052	0.0059053183
## 41	0.0744207223	0.060236529	0.0295057756	-0.0118583634	0.0125603847
## 42	0.0675475381	-0.035316076	-0.0227479976	0.0498085010	0.0088720236
## 43	0.0024090966	0.075112638	0.0040115401	0.0195882898	-0.0046408642
## 44	-0.0645648448	0.051912189	0.0254459423	-0.0148151495	-0.0684515765
## 45	0.0025112806	0.048224612	0.0327036522	0.0279143337	0.0270621348
## 46	-0.0207221995	-0.016855742	0.0908513342	-0.0119426407	0.0641254989
## 47	-0.0081834618	-0.047265561	0.0111899560	0.0013714974	-0.0449360932
## 48	-0.0125621126	-0.033435985	-0.0460558835	-0.0325702644	0.1071403643
## 49	0.0697546191	-0.050343905	0.0091126220	-0.0423498804	-0.1086569326
## 50	-0.0420298538	-0.097071658	0.0328911834	-0.0562211664	0.0026281990
## 51	0.0171461570	0.060854183	-0.0317320480	-0.0490135661	-0.0831227641
## 52	0.0407264822	-0.007718731	0.0012126871	0.0278877629	-0.0014325632

## 53	-0.0369527184	0.088664451	0.0525423375	0.0429494031	-0.0034599591
## 54	0.0438397309	-0.037567499	0.0106615687	-0.0578740900	-0.0443157278
## 55	0.1009954229	0.024669229	0.0478063947	-0.0461934414	-0.0671478763
## 56	0.0729636864	-0.041648525	-0.0391783105	-0.0440327200	-0.0510537031
## 57	-0.0191502960	0.030588993	0.0332696178	-0.0607556626	0.0472238826
## 58	0.0095863251	-0.028069818	-0.0111319118	0.0269106155	-0.0290988513
## 59	0.0673626049	-0.009633269	-0.0142603497	-0.0296799147	0.0230449222
## 60	-0.0331299539	-0.002200190	0.0825078119	-0.0210150738	-0.0059129656
## 61	0.0507411236	0.004291160	-0.0089198538	0.0091690514	-0.0017288971
## 62	-0.0200358889	-0.003088488	-0.0484437495	-0.0372777052	0.0191336692
## 63	0.0206923752	-0.033514862	-0.0145740530	-0.0295998164	-0.0131253245
## 64	-0.0091125242	0.057589772	0.0134078332	0.0087099245	0.0725633416
## 65	0.0178766951	0.089780983	0.0870253332	0.0410662385	0.0374692717
## 66	-0.0032642617	0.014906326	0.0164508120	-0.0079675250	-0.0108857513
## 67	-0.0043628385	-0.001206761	-0.0690518631	0.0287527521	0.0239173584
## 68	-0.0212744804	-0.070094942	0.0872226391	-0.0827508106	-0.0413296388
## 69	0.0313164761	-0.030786277	-0.0177122844	-0.0007689911	-0.0704428534
## 70	-0.0563133570	0.018798150	-0.0868195439	-0.0025459838	-0.0080309969
## 71	0.0658193102	-0.014505068	-0.0203903676	0.0313763795	0.0041612836
## 72	-0.0674030818	-0.047180190	0.0159530626	-0.0054376165	-0.0044819808
## 73	0.0019428347	0.002312349	0.0880859672	-0.0418201609	0.0913983548
## 74	0.0102346625	-0.103373177	-0.0388772032	-0.0292766794	0.0549127842
## 75	0.0499107137	-0.071703609	0.0155884268	0.0225472979	-0.0209061999
## 76	-0.0510566939	-0.012952054	0.0660692724	0.0518369763	0.0164091535
## 77	-0.0166372679	-0.094954756	0.0038911248	0.0407755993	0.0403602607
## 78	0.0831251977	0.009484108	-0.0475809501	0.0089945327	-0.0146282920
## 79	0.0613121746	-0.025734264	-0.0281959675	0.0053647978	-0.0221025725
## 80	-0.0121406134	0.009159341	-0.0446653871	-0.0241443876	0.0743368000
## 81	0.0403741392	0.045436655	0.0265587219	-0.0039748469	0.0158773823
## 82	0.0183225953	0.029781701	0.0473339252	-0.0006866321	-0.0630851319
## 83	-0.0104241103	0.045000061	0.0038590617	-0.0016554334	-0.0598148487
## 84	-0.0804339987	0.032372282	0.0292432974	0.0202289665	0.0772173770
## 85	0.0860935302	-0.008578239	-0.0909171769	0.0534702567	-0.0196702983
## 86	-0.0181178171	-0.034351829	0.1109965784	-0.0232725295	0.0474499365
## 87	-0.0467600687	0.047974017	0.0422089374	-0.0194444399	-0.0027002134
## 88	0.0021552737	0.059990453	0.0495519259	-0.0156751120	0.0094005430
## 89	-0.0097151916	-0.095306914	-0.0065608386	-0.0327721506	-0.0173071879
## 90	-0.0063565491	-0.017894114	0.0172130538	0.0092295391	0.0135557048
## 91	-0.0168318366	0.088254248	-0.0340915366	0.0659930533	-0.0625075203
## 92	-0.0363052395	0.085866587	-0.0506576659	0.0944072827	-0.0242711980
## 93	0.0523550984	0.093984735	0.0517796683	0.0213586526	-0.0610709813
## 94	0.0008191708	0.007577548	0.0485539366	0.0049982433	0.0558175173
## 95	0.0063772230	0.007211323	0.0235813430	0.0842798492	0.0397938287
## 96	-0.0874078342	0.020454768	0.0127460668	-0.0584209899	0.0270305231
## 97	-0.1003583252	-0.030399072	0.0120391194	-0.0102196151	0.0472037975
## 98	0.0647163486	-0.089630740	-0.0308283339	-0.0266640473	-0.0249596909
## 99	0.0147944315	-0.026610514	0.0229865543	0.0143023691	0.0650136804
## 100	-0.0061726411	-0.021220048	0.0410566482	-0.0326090767	0.0100326291
## 101	-0.0073751665	-0.051124394	0.0178755497	-0.0255483877	0.0003493401
## 102	0.0310330965	-0.063901481	0.0093100536	-0.0946008501	0.0233999729
## 103	0.0008986918	0.007687671	-0.0828962586	0.0173394372	-0.0431130007
## 104	-0.0769934464	0.067874648	0.0214978430	0.0197119284	0.0131901466
## 105	0.0414212009	-0.033725091	0.0250514718	0.0083744802	0.0188623353
## 106	-0.0047037672	0.023432836	0.0401454717	0.0184292069	-0.0043422368

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## 107 -0.0589318506 -0.049104102 0.0804930318 -0.0194941111 -0.0029469962
## 108 -0.0303886332 -0.009727601 -0.0103893655 -0.0809994438 -0.0809589284
## 109 0.0291518737 0.029279802 -0.0214685678 -0.0279381580 -0.0061484306
## 110 0.0359591688 -0.049822400 0.0031766489 0.0373578361 -0.0274953527
## 111 0.0843564154 0.001144791 0.0260082875 -0.1210073806 -0.0447190698
## 112 -0.0055586584 -0.104434631 0.0080401711 -0.0305775482 0.0278276080
## 113 0.0538041009 -0.003795936 -0.0538811114 -0.0288114839 -0.0064829641
## 114 0.0315442361 0.031326521 -0.0507089074 -0.0413282527 -0.0412648394
## 115 0.0737538378 -0.014601792 0.0425009392 0.0265055759 0.0151455228
## 116 -0.0126992258 0.003309231 0.0089015505 -0.0075116382 -0.0505877425
## 117 -0.0336135017 0.027057409 -0.0438069645 0.0233496827 0.0316029517
## 118 -0.0306209422 -0.033545952 0.0031828776 0.0389116085 -0.0217083209
## 119 -0.0148985554 -0.056935327 -0.0646250894 0.0053400468 0.0038113913
## 120 0.0060156260 0.129720539 0.0260057716 0.0259068279 -0.0154452740
## 121 -0.0378725604 -0.009765206 0.0508235272 0.0730516769 -0.0041888176
## 122 -0.0417533282 -0.040814050 0.0582837611 0.0079196394 0.0219744048
## 123 0.0885764233 -0.021869498 0.0964187380 0.0586047408 -0.0122591206
## 124 0.0780539596 -0.005714733 0.0676721411 0.0118802688 0.0222118982
## 125 -0.0113561379 -0.001005623 -0.0388920120 0.0533722965 -0.0193351367
## 126 0.0094260944 -0.053273220 -0.0141027116 0.0403589130 0.0226438741
## 127 0.0485722672 0.102404363 0.0092337680 0.0392319076 -0.0015289402
## 128 -0.0455450350 0.039211363 0.0056942393 0.0697746551 -0.0174606286
## 129 -0.0254359011 0.010857478 -0.0167982468 0.0391540051 0.0827629959
## 130 0.0361251339 0.061603276 -0.0795945113 0.0226727113 -0.0196114576
## 131 0.0123828468 -0.072099784 -0.0509030826 0.0029576739 -0.0480678729
## 132 -0.0152315620 -0.036492167 -0.0779157529 -0.0270760106 0.0103692326
## 133 -0.0243100415 -0.031410159 0.0276350823 0.0485225897 -0.0049572453
## 134 -0.0668554777 -0.046595507 -0.0274515521 0.0370344769 0.0420977841
## 135 -0.0238479792 -0.002104633 -0.0226878733 -0.0264280688 0.0093129609
## 136 0.0174727858 -0.006379002 -0.0313070346 0.0647862013 0.0757411422
## 137 0.0454648770 -0.027275140 -0.0110150911 -0.0226632954 0.0751972988
## 138 0.0492775754 -0.139827137 0.0238786579 0.0208374123 -0.0422618340
## 139 -0.0401762924 0.012825056 0.0088411532 -0.0566309880 -0.0100092625
## 140 -0.0443912908 0.040211597 -0.0186217267 -0.0448235890 -0.0108329487
## 141 0.0772908152 0.010805059 0.0212227552 -0.0799184153 -0.0477983576
## 142 -0.0171610486 -0.010147037 -0.0327336885 -0.0223326283 -0.0295514488
## 143 0.0471919466 -0.051222757 -0.0635370723 -0.0424493581 0.0654325061
## 144 0.0009270715 -0.067939623 -0.0418446423 -0.0050001007 0.0896027828
## 145 -0.0722749255 0.091664615 -0.0093507558 0.0490736843 -0.0031156264
## 146 -0.0307658313 -0.021780785 -0.0186424339 0.0795636861 -0.0434354589
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## 148 0.0725099216 0.053310696 0.0420536097 -0.0013046851 -0.0204432402
## 149 0.0164404346 -0.002617827 -0.0100280872 0.0255606060 0.0745446895
## 150 0.0397606725 0.045357333 -0.0313177762 -0.0091000049 -0.0010730894
## 151 0.0048902225 -0.013766266 -0.0503334576 0.0232199586 0.0473413172
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## 153 -0.0895487879 -0.041493605 -0.0082776743 -0.0021517757 -0.0217554674
## 154 -0.0077830296 0.067325499 0.0325479189 -0.0156175185 0.0084350767
## 155 -0.0372088962 0.024074252 -0.0504284561 -0.0360100515 -0.0624962119
## 156 0.0672287557 -0.110018353 0.0264092146 -0.0344798101 -0.0560216194
## 157 -0.0047306509 -0.042063246 0.0262823292 -0.0185857292 -0.0245246720
## 158 0.0457645095 0.046810927 0.1032636850 0.0229082049 -0.0309172962
## 159 0.0200028539 -0.017192449 -0.0329595876 -0.0020800949 -0.0047380067
## 160 -0.0032566393 -0.011428430 -0.0491341272 0.0065622984 0.0663347152

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## 161 -0.0624139641 -0.057591751 0.1264885802 -0.0148617651 0.0512182261
## 162 -0.0539329380 0.050191743 -0.0609145126 -0.0026660392 -0.0107995397
## 163 -0.0142363195 -0.020108821 -0.0125509273 0.0122954721 -0.0149296772
## 164 0.0737346157 0.035546640 0.0069209001 0.0376596924 -0.0162758052
## 165 -0.0584019790 -0.001505418 0.1353097856 0.0144260376 0.0101090489
## 166 -0.0302352179 -0.032667131 -0.0079834565 -0.0130219131 0.0527586221
## 167 -0.0030547031 -0.017546427 -0.0480945725 0.0200198851 0.0419655035
## 168 0.0533244824 -0.050706000 -0.0198330341 0.0401789576 0.0505994997
## 169 -0.0014521598 0.012157792 -0.0412603286 -0.0656538797 -0.0182005971
## 170 -0.0314662675 -0.005521253 0.0029269848 0.0382662259 -0.0709047265
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## 172 0.0237893468 0.008514799 -0.0534478252 0.0013109910 0.0317189439
## 173 -0.0364361620 -0.015899216 0.0044987787 -0.0438660927 0.0395147530
## 174 -0.0677616762 -0.018437127 -0.0071183237 -0.0295914729 0.0017336058
## 175 0.0418773795 0.108705738 0.0274950137 -0.0278679771 0.0071104105
## 176 0.0114863022 -0.039520676 -0.0137742421 0.0675577259 0.0233643087
## 177 0.0651537976 0.001387639 0.0199279081 -0.0388908912 0.0422514920
## 178 -0.0048722708 -0.012598908 -0.0161158475 0.0570667751 -0.0364525774
## 179 0.0235949600 0.042975252 -0.0494255287 0.0514197732 -0.0555215992
## 180 0.0097766901 0.020789477 -0.0244158525 0.0488372364 0.0237296829
## 181 -0.0453427435 -0.076780951 0.0025373000 -0.0119222003 0.0777925633
## 182 0.0005333218 0.037051364 0.0167891139 -0.0021141587 -0.0230398251
## 183 -0.0357798078 -0.018053650 0.0293438464 -0.0787975330 -0.0318643669
## 184 -0.0231697815 -0.020935161 0.0002136333 -0.0540698008 0.0555800405
## 185 0.0045109958 0.001436408 -0.0035313397 0.0159173424 -0.0514106188
## 186 -0.0510608211 0.028388947 0.0274337056 0.0440958811 -0.0048630198
## 187 0.0153980239 -0.064949672 -0.0337135858 -0.0738916143 0.0141114656
## 188 -0.0075587627 -0.059848073 -0.0614287956 -0.0253091739 0.0781791237
## 189 -0.0939637061 0.018243608 -0.0299483339 0.0183020986 -0.0396266218
## 190 -0.0401761962 -0.025494687 0.0129388082 -0.0263163995 -0.0135682022
## 191 -0.0335956586 -0.081363847 0.0227524217 -0.0249003124 -0.0132744551
## 192 0.0065429750 0.044104017 0.0046197375 -0.0805237821 0.0006528334
## 193 0.0103307970 0.080794223 0.0309708797 0.0440516314 0.1089523820
## 194 -0.0297311230 0.015078351 0.0260060154 0.0223814784 0.0121918685
## 195 -0.0264606747 0.003332902 0.0333539388 -0.0216794083 0.0657352057
## 196 -0.0597546768 -0.026112073 0.0079677354 -0.0079639312 -0.0607383026
## 197 -0.1092421818 0.008012840 -0.0023224768 -0.0243718957 -0.0071341948
## 198 0.0169846262 -0.026863257 0.0463798002 0.0900538024 -0.0290217742
## 199 0.0324202794 -0.028863268 -0.0531341831 0.0039479922 -0.0187023349
##          V326          V327          V328          V329          V330
## 1  1.415741e-02 0.0818736393 5.047075e-03 0.0117439019 -8.142813e-02
## 2 -2.354091e-02 0.0553962685 1.379743e-02 -0.0446333020 8.231638e-02
## 3  5.177196e-03 -0.0588226034 8.075360e-03 -0.0483087106 -6.488227e-02
## 4  3.790664e-02 -0.0253875853 1.189417e-02 0.0773071429 2.009918e-02
## 5 -3.544117e-02 0.0442323108 4.607030e-02 0.0706520600 -3.214954e-02
## 6  9.660808e-03 0.0258109449 -2.109418e-02 -0.0230771746 -6.314671e-02
## 7 -9.694589e-03 -0.0561318595 1.869897e-02 0.0860913866 1.035200e-02
## 8 -1.187026e-02 0.0188077869 2.152425e-02 -0.0226899645 1.026036e-02
## 9 -7.941503e-03 0.0290971393 -5.317930e-02 0.0305530395 -6.019435e-03
## 10 -7.214452e-02 0.0148475448 -3.580552e-02 0.0375350689 -3.937035e-02
## 11  6.896815e-02 0.0617758136 1.052399e-02 -0.0194296226 1.059844e-02
## 12 -1.024353e-02 -0.0290386546 5.631111e-02 0.0058310168 -4.990584e-02
## 13  4.878372e-03 0.0231543089 6.672184e-02 0.0587026141 -2.094884e-02
## 14 -1.676879e-02 0.1144779829 6.916877e-02 0.0051263246 -5.837548e-02

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## 15  9.720478e-03 -0.0098594492 -1.250535e-02 -0.0050426368 -3.181669e-02
## 16  1.012647e-02  0.0025907221 -6.435358e-03  0.0056069859 -2.653879e-02
## 17  4.366772e-02 -0.0701925938 -4.980321e-03  0.0672293534  3.174342e-02
## 18  1.880033e-02  0.0416294227 -6.170696e-02 -0.0195930630  2.776082e-02
## 19 -1.929510e-02 -0.0308858147 -5.396402e-02  0.0257089211 -5.607037e-02
## 20  4.517356e-02 -0.0467392358 -5.799313e-02 -0.0671284609  2.198314e-02
## 21 -7.348667e-03 -0.0220072519  9.541784e-02  0.0266880754 -5.693751e-02
## 22  3.243114e-02 -0.0640598240 -4.323465e-02 -0.0031275360  1.318599e-02
## 23 -4.208139e-02 -0.0344233070 -1.116616e-02 -0.0642598345  1.964126e-02
## 24 -5.035841e-03  0.0048996476 -1.686521e-02 -0.0029981153  5.238656e-02
## 25  5.069577e-02  0.0360417627 -2.305939e-02  0.0513000633  4.800215e-02
## 26 -1.801491e-02  0.0114483758 -4.319011e-02  0.0265042285  6.390846e-03
## 27 -4.024965e-02 -0.0296680904 -7.992955e-02  0.0908537366  3.153732e-02
## 28 -1.681216e-03  0.0339450911 -3.412603e-02  0.0397196613 -6.441627e-02
## 29 -5.447521e-03  0.0395380062  1.639788e-02  0.0504088324  4.654422e-02
## 30  4.617387e-02  0.0071394000 -7.552271e-02  0.0304389408 -2.087861e-02
## 31  1.779869e-03  0.0060045642 -1.405793e-02 -0.0387676892 -2.416992e-02
## 32  2.647953e-02  0.0735782150  9.157625e-02  0.0155138583  7.244456e-03
## 33 -3.401598e-02 -0.0155656569 -4.698669e-02 -0.0425540168 -1.096528e-01
## 34 -5.920242e-02 -0.0358854385 -1.703862e-03 -0.0063653241 -7.540075e-02
## 35 -1.532749e-02 -0.0212517000 -6.613556e-03  0.0220046210  4.378711e-02
## 36 -4.583673e-02 -0.0285155273 -8.060911e-02 -0.0451873153  1.948453e-02
## 37  6.301114e-03 -0.0638687951  2.879989e-02 -0.0235724832  6.167959e-03
## 38 -6.835018e-03 -0.0476702846  2.809450e-02 -0.0132091448 -5.288085e-02
## 39  4.016872e-02  0.0471195172 -1.275526e-02 -0.0006529422  3.926693e-02
## 40 -6.563816e-02 -0.0901334373  2.149982e-02 -0.0066280188 -8.252016e-02
## 41 -1.375113e-02  0.0287218830 -2.583924e-02 -0.0135076570  9.510268e-03
## 42  8.691650e-04  0.0581577272 -5.413728e-03  0.0490825852 -4.181000e-02
## 43  1.010048e-02 -0.0394676998 -2.606974e-02 -0.0831645932  3.497097e-02
## 44  2.079116e-02  0.0064080740 -5.536186e-02  0.0033183604 -5.368517e-03
## 45  1.084582e-02  0.0302479210 -3.911516e-02 -0.0069074345  1.996092e-02
## 46 -5.325164e-02 -0.0640346780  6.860350e-03  0.0265253263  1.520543e-05
## 47  1.664264e-02 -0.0349129967  6.712668e-02 -0.0267626305 -3.716819e-02
## 48  8.735989e-02  0.0502228425  1.005095e-02  0.0500422845  5.072469e-03
## 49 -3.055475e-02 -0.0304787183 -2.619865e-03  0.0237661143  1.237585e-03
## 50 -5.168500e-02 -0.0794668005  6.893330e-02  0.0812676109 -6.503056e-02
## 51 -1.251281e-01 -0.1001647030  3.142063e-02 -0.0537041235 -5.647649e-02
## 52 -2.728153e-03  0.0196547930 -6.059263e-02 -0.0609038042 -2.846648e-02
## 53  4.523920e-02 -0.0357024746 -5.528731e-02 -0.0078579054 -3.185624e-03
## 54 -4.551383e-03 -0.0078732950 -5.307827e-02 -0.0020460123  4.446927e-03
## 55  5.506223e-02 -0.0140026479 -3.104587e-02 -0.0018861208  1.795145e-02
## 56  1.742654e-03 -0.0330401062  2.011531e-02  0.0050738189 -3.170411e-02
## 57  3.035089e-02 -0.0143367465 -5.782345e-02 -0.0246558946  5.483198e-02
## 58  1.924086e-02 -0.0100142681 -3.157984e-02  0.0418163303  6.847083e-03
## 59 -5.851141e-02 -0.0363347163 -7.088044e-02  0.0005113737  7.233821e-02
## 60  1.123778e-02 -0.0103932069 -5.068934e-02  0.0428640928  1.498309e-02
## 61  7.158536e-03 -0.0239820051  3.054097e-02  0.0303518510 -1.688102e-02
## 62 -3.793315e-04  0.0201138523  3.590892e-02  0.0020013676 -6.870402e-02
## 63 -3.572492e-03  0.0527973996  6.232132e-02 -0.0125038733 -2.329205e-02
## 64  3.223524e-02  0.0417228380 -1.711433e-02 -0.0266703984 -2.879876e-02
## 65  2.473180e-02 -0.0006382553 -8.876737e-03 -0.0028097920 -5.599283e-02
## 66 -5.982848e-02  0.0516755028 -3.848088e-03 -0.0528578281  2.162586e-02
## 67  6.740895e-02 -0.0162319116 -6.365927e-03  0.0501091711  3.322373e-02
## 68 -2.682216e-03  0.0536384088  2.274438e-02  0.0502841197  3.963567e-02

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## 69 1.918338e-02 0.0370746822 1.979212e-02 0.0352446206 -4.501710e-02
## 70 2.405273e-02 0.0595968709 1.246326e-03 0.0142301250 -3.703612e-02
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## 72 -9.423918e-02 0.0455207276 2.567521e-02 0.0147403793 4.273916e-02
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## 74 -3.642806e-02 0.0018989019 5.585347e-02 0.0280988702 4.887606e-02
## 75 2.663290e-02 0.0302900251 -3.406964e-02 0.0628654868 1.417933e-02
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## 77 -6.745015e-02 0.0295208796 -8.749210e-03 -0.0061366283 9.381583e-04
## 78 -2.454725e-02 -0.0539804189 -8.488331e-03 -0.0429824992 -8.186549e-02
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## 83 2.431482e-02 -0.0220642630 7.539724e-03 0.0601721953 -1.704412e-02
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## 89 2.163308e-03 -0.0666997447 1.810541e-02 0.0391174351 7.618446e-02
## 90 2.633431e-02 -0.0117730809 6.908377e-02 -0.0545970910 -3.211002e-02
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## 97 1.834457e-02 -0.0356218475 -1.720516e-02 0.0572301745 6.448928e-02
## 98 3.730885e-04 0.0274625802 7.718922e-03 0.0440483710 8.182571e-04
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## 124 5.205356e-03 0.0070547213 1.360024e-02 0.0232699300 -5.517549e-02
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## 128 -7.236548e-03 0.0491065467 3.351250e-02 0.0915104423 -1.950839e-03
## 129 3.188399e-02 0.0157390916 6.259252e-02 -0.0249195344 4.590026e-03
## 130 -3.331305e-02 -0.0161906332 -8.575413e-03 0.0821825788 -2.289513e-02
## 131 -1.072821e-02 0.0709017163 -2.772488e-03 -0.0706089200 -8.107154e-02
## 132 5.938827e-02 0.0351964693 -2.611686e-03 0.0267278396 6.681606e-03
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## 135 2.034157e-02 -0.0207995293 1.748055e-02 0.0514285153 -7.405150e-02
## 136 -4.617483e-02 0.0538972780 6.290881e-03 0.0621261719 2.641768e-02
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## 141 -3.522447e-02 0.0163924075 5.072102e-02 0.0259033222 3.024489e-02
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## 154 -6.820328e-03 -0.0155454377 4.425417e-02 -0.0465195950 -1.605914e-02
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## 179 -1.453234e-02 -0.0473932554 1.123923e-01 0.0502941204 -2.790263e-02
## 180 6.816054e-03 0.0447088821 -2.086780e-02 -0.0359485688 3.397479e-02
## 181 -2.458306e-02 -0.0016930088 -1.371427e-02 0.0428632562 9.612171e-03
## 182 3.935081e-02 -0.0459396908 -3.092165e-02 0.0433233204 -4.231814e-02
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## 188 5.558489e-04 -0.0123124929 1.884600e-03 0.0284415587 -2.946016e-02
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## 192 -6.241707e-02 -0.0268686535 8.408755e-02 0.0521600317 -6.139533e-03
## 193 -1.275517e-02 -0.0688053403 3.683644e-02 -0.0052826543 -6.022012e-02
## 194 -5.446299e-03 -0.0453863982 2.045846e-02 0.0184942942 2.856682e-02
## 195 -8.187160e-02 0.0197605815 -2.057870e-02 0.0145155598 -1.085981e-02
## 196 -2.300064e-02 0.0564612701 -1.887993e-02 -0.0013046696 -4.348341e-03
## 197 9.976289e-02 -0.0359217137 -6.558029e-04 0.0079015921 6.974715e-02
## 198 -5.087395e-02 -0.0349192798 -7.669743e-02 -0.0003307063 3.773065e-02
## 199 -1.740705e-02 -0.0088783973 4.436987e-02 0.0126586671 1.869024e-02
##          V331          V332          V333          V334          V335
## 1  -0.0122304071 0.0483824979 -7.779116e-03 0.0463090127 1.878986e-02
## 2   0.0381058484 0.0112265503 3.029809e-02 -0.0134562685 -5.780456e-02
## 3   0.0192167455 -0.0288464410 -4.264569e-03 -0.0718406683 -7.335333e-02
## 4   0.0589928429 0.0692710655 5.707623e-02 -0.0445358959 3.838369e-02
## 5   0.0224738031 -0.0962957322 2.621492e-02 -0.0545072795 -7.840473e-05
## 6   0.0062842786 0.0309326455 1.022374e-01 0.0184924369 6.474025e-03
## 7  -0.0651306882 -0.0347015344 3.255760e-02 0.0219247458 -2.277504e-02
## 8  -0.0105856751 -0.0186109381 5.357651e-02 0.0179602979 -4.733564e-02
## 9   0.0055148626 -0.0653643022 -6.711204e-03 -0.0238647972 4.643828e-02
## 10 -0.0026351359 0.0192082621 -1.225129e-02 -0.0103887271 -4.424576e-02
## 11  0.0856175580 -0.0418191821 2.545085e-02 0.0775807872 2.300692e-03
## 12 -0.0327918446 0.0689021613 9.385533e-03 -0.0622990014 3.179646e-02
## 13  0.0172169254 -0.0511220677 2.957869e-02 -0.0132697155 -8.136021e-02
## 14  0.0133674047 0.0091355867 -1.009928e-03 0.0003295145 -2.477168e-02
## 15  0.0124527513 -0.0367625992 -1.450034e-02 -0.1119643472 -2.698750e-02
## 16 -0.0310746045 -0.0611755682 -1.466123e-02 0.0535105759 1.709675e-02
## 17 -0.0865500472 0.0454513590 -9.347198e-02 0.0117315662 1.187157e-02
## 18  0.0491215650 -0.0001362061 -2.906550e-02 -0.0442015137 9.101466e-03
## 19  0.0078768026 0.0396230470 -2.205969e-02 0.0171721155 5.103019e-02
## 20 -0.0015017708 0.0374547093 5.676064e-02 0.0019577283 -1.360269e-02
## 21 -0.1133852779 0.0661519744 -5.393840e-02 0.0206148259 2.676106e-02
## 22  0.0345061341 -0.0259228425 -6.807682e-02 0.0241411995 3.566326e-02
## 23  0.0051287663 -0.0333623615 1.376304e-02 0.0523933547 -4.707464e-02
## 24 -0.0008986016 -0.0890575046 6.609894e-02 0.0065739921 1.612913e-03
## 25 -0.0025960901 0.1288083277 4.534206e-02 0.0203654344 1.126565e-01
## 26  0.0537985185 0.0176848182 5.910046e-02 -0.0293137749 1.990294e-02
## 27  0.0183251064 0.0400404825 3.832077e-02 0.0461693879 2.187978e-02
## 28  0.0900236080 0.0599220176 -3.260502e-02 0.0787472361 -7.689775e-02
## 29 -0.0738760434 -0.0350198731 -2.663019e-02 0.0035505570 -2.879115e-02
## 30 -0.0433785359 -0.0239790445 2.451439e-02 0.0641670639 3.145290e-02

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## 32	0.0222767099	0.0137903855	-5.194606e-02	0.0465511681	5.583032e-02
## 33	-0.0851742700	0.0797620116	2.317061e-02	-0.0690432340	-9.133145e-02
## 34	-0.0824525227	0.0479792108	7.162641e-03	-0.0357909593	1.582152e-02
## 35	-0.0643282926	-0.0207558346	6.670843e-03	0.0809800724	-5.334636e-02
## 36	0.0056146819	-0.0471248714	-2.877094e-02	-0.0276179532	8.214119e-03
## 37	0.0241226283	0.0218259387	1.829660e-02	0.0322106495	1.994422e-03
## 38	-0.0123709650	-0.0669184911	5.287107e-02	0.0380383873	4.786744e-03
## 39	0.0005992079	-0.0004433554	-1.352109e-02	-0.0221928481	-3.561446e-03
## 40	-0.0984673868	-0.0061429696	8.667424e-03	-0.0231164436	3.330973e-02
## 41	0.0191031007	-0.0885694724	2.055072e-02	0.0365050244	7.565278e-04
## 42	-0.0201422452	0.0109663785	6.251785e-03	-0.0088559472	-7.190526e-02
## 43	-0.0157955830	-0.0272841399	-2.914797e-02	0.0307301987	-4.887620e-03
## 44	0.0428056549	-0.0503822367	-6.499540e-02	-0.0011784180	-8.704825e-02
## 45	-0.0810644378	-0.0535698913	-2.599421e-03	0.0137087641	-1.727000e-02
## 46	0.0028191954	-0.0119782418	-5.790325e-03	-0.0381345658	-4.398545e-02
## 47	0.0123005158	-0.0127389060	-4.987736e-02	-0.0113550327	-5.469131e-02
## 48	0.0247926242	-0.0454000881	-1.124668e-02	0.0101018673	-6.304199e-02
## 49	0.0535066955	0.0287637084	-7.173272e-02	-0.0150339100	-5.645521e-02
## 50	-0.0445245578	0.0250730531	-2.343103e-02	0.0409872448	-2.227912e-03
## 51	0.0465999135	-0.0391977047	-5.244000e-04	-0.0522232991	-2.812140e-02
## 52	-0.0023592588	0.0065141621	-3.604616e-02	-0.0933750359	-1.193960e-02
## 53	0.0214262613	0.0354076715	7.234772e-02	0.0481525705	-9.406769e-02
## 54	-0.0362746093	-0.0559640039	2.204357e-02	-0.0693275324	6.007068e-02
## 55	0.0075155736	0.0459819651	7.352058e-03	-0.0281253813	-2.657201e-02
## 56	-0.0083460149	-0.0249252894	4.836463e-02	-0.0199835227	-1.217526e-02
## 57	0.0272042762	0.0448205670	-7.307086e-02	0.0119438823	-4.551397e-02
## 58	-0.0458534978	-0.0493158945	3.457878e-02	0.0789509662	-2.609340e-03
## 59	0.0026131182	-0.0393990088	9.289428e-02	-0.0436204488	3.934081e-02
## 60	-0.0498596851	-0.0589008735	5.651991e-02	0.0293436507	-2.529896e-03
## 61	0.0197866098	0.0410819565	-4.468156e-03	-0.0101345417	4.538303e-02
## 62	0.0147294566	-0.0787248317	4.175877e-02	-0.0196426711	7.712255e-03
## 63	0.0159078144	0.0646698695	-4.584716e-02	-0.0075959094	1.618134e-02
## 64	0.0278601594	0.0861352224	1.782751e-02	-0.0122834825	8.076899e-02
## 65	-0.0195940709	-0.0782779706	-9.543041e-02	-0.0545928251	-4.084196e-03
## 66	0.0163273676	0.0172373877	2.100436e-02	0.0364577819	4.530040e-03
## 67	-0.1016828710	-0.0263649364	3.214339e-02	0.0187197309	9.476091e-02
## 68	-0.0768569211	0.0521756176	8.704865e-03	-0.0125120030	2.551388e-02
## 69	-0.0473719135	-0.0257625734	-7.524121e-03	0.0059308295	7.558065e-03
## 70	-0.0175945355	0.0136500814	-1.076270e-02	0.0634883077	-3.536849e-03
## 71	0.0091410146	0.0430688382	1.396272e-02	0.0805996300	2.758180e-02
## 72	-0.0478997890	0.0179777734	7.614211e-02	0.0414811796	-1.051042e-01
## 73	-0.0564347492	-0.0086121087	1.211135e-02	-0.0638404554	-8.492894e-02
## 74	-0.0049142575	-0.0353850500	1.530007e-03	0.0006568896	2.293474e-02
## 75	0.0139495873	0.0270445527	-1.167304e-01	0.0227833679	5.372234e-02
## 76	-0.1036205044	0.1154571005	2.946122e-02	-0.0036576533	-4.356494e-02
## 77	-0.0096294898	0.0359886582	2.317853e-02	-0.0073654632	4.505841e-03
## 78	0.0135524442	0.0625221255	4.873992e-03	0.0118501870	-4.573683e-02
## 79	0.0377682386	-0.0346945700	7.532927e-03	0.0050340318	6.704236e-02
## 80	-0.0728144812	-0.0242480062	-1.380251e-02	-0.0450370633	-5.519655e-02
## 81	-0.0081997369	-0.0501282917	-3.266246e-02	-0.0381180609	-1.376220e-02
## 82	-0.0749806004	-0.0374680855	4.451089e-03	0.0204253963	4.073997e-02
## 83	0.0254079630	-0.0380788635	4.317105e-02	0.0028207037	8.291090e-03
## 84	0.0821026496	-0.0729501959	1.211162e-01	-0.0282314133	-2.320543e-02

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## 85 -0.0004503924 -0.0564068924 -4.100077e-02 0.1075543784 2.852275e-02
## 86 0.0418908732 0.0100537354 -3.579172e-02 0.0306792419 3.502839e-02
## 87 0.0682952634 -0.0116289916 -8.240331e-02 0.0327044777 1.865623e-02
## 88 0.0022993648 0.0489381967 4.519848e-02 0.0479803074 -2.192665e-02
## 89 -0.0112659860 0.0260173900 8.047964e-02 -0.0190663324 -8.199311e-03
## 90 0.0493839586 0.0125206411 3.385892e-02 -0.0437735256 1.892145e-02
## 91 -0.0473305740 -0.0236651871 2.295866e-02 -0.0261566402 4.531962e-02
## 92 0.0067641754 0.0064671165 -1.415598e-03 -0.1047942441 3.847935e-02
## 93 -0.0300984914 -0.0139346527 -3.621485e-03 -0.0470940945 -5.981440e-02
## 94 -0.0582353279 -0.0234259827 -3.244211e-02 0.0384140301 -1.053012e-02
## 95 0.0095881018 0.0504442795 6.194137e-02 -0.0530050077 -3.009927e-02
## 96 -0.0746231575 0.0412937064 5.693104e-02 -0.0344175208 1.039860e-02
## 97 -0.0134632864 -0.0811234008 -7.548283e-02 0.0973309098 2.302385e-02
## 98 -0.0369929726 0.0644169573 6.230978e-02 -0.0528510740 6.027068e-02
## 99 -0.0737579150 0.0443964368 -3.740111e-02 0.0592911258 7.638696e-03
## 100 -0.0487961855 0.0959838624 5.174720e-03 -0.0204073127 1.537370e-02
## 101 0.0409339299 -0.0392933395 -3.653031e-02 0.0804649138 1.038125e-01
## 102 -0.0050220376 0.0566526317 -7.284007e-02 0.0203236122 1.685214e-03
## 103 0.0052684150 0.0328900717 4.938560e-02 0.0745315082 3.614506e-02
## 104 -0.0729693194 -0.0163305184 -7.408056e-02 -0.0726608644 1.970364e-02
## 105 -0.0205995125 0.0122219046 7.337217e-03 -0.0599342220 6.521984e-02
## 106 -0.0178345236 -0.0280108740 -5.552647e-02 0.0378643588 3.848138e-02
## 107 -0.0309162644 -0.0232204340 -1.017033e-02 0.0035576330 1.136254e-02
## 108 -0.0590541573 -0.0039392068 -2.575304e-02 -0.1287782063 3.051795e-02
## 109 -0.0010057007 -0.0319640321 5.818568e-03 0.0759628592 9.651209e-03
## 110 0.0072941018 -0.0777321233 6.175593e-02 0.0378975833 1.024900e-01
## 111 0.0478865727 0.0086623843 -4.350677e-02 -0.0183842612 3.431401e-02
## 112 -0.0833937091 0.0132772557 5.038912e-02 0.0286318938 -8.481024e-02
## 113 0.0249575233 -0.0083907727 3.640919e-02 0.0673726658 5.154570e-03
## 114 0.0783698166 0.0229360733 -1.411349e-02 -0.0330961248 6.433053e-04
## 115 0.0096921815 -0.0318976027 4.219915e-02 -0.0386495287 -4.438326e-02
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## 118 -0.0163763210 0.0795411896 -6.719500e-02 -0.0749011627 -1.603335e-03
## 119 -0.0275771442 -0.1007226501 5.008218e-02 -0.1019353815 -3.238650e-02
## 120 -0.0385268394 -0.1476465585 1.019592e-02 0.0187797932 7.651004e-02
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## 124 0.0271294286 -0.0324804836 5.938629e-04 -0.0028522527 -3.111660e-02
## 125 0.0657672612 0.0105621563 8.494855e-06 -0.0028838571 3.389361e-02
## 126 0.0218777510 -0.0161216480 7.889769e-02 -0.1113267897 -4.946319e-02
## 127 -0.0425876904 -0.0157995142 -3.332491e-02 0.0179642416 -8.330033e-02
## 128 0.0744536999 -0.0072495870 8.150654e-03 0.0240227705 -1.409251e-02
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## 130 0.0268866138 -0.0546915723 -6.779910e-03 -0.0091849164 -2.219614e-02
## 131 0.0132669544 -0.0193959873 3.899801e-02 -0.0204642272 1.784771e-02
## 132 0.0326633430 0.0160390388 -7.625503e-05 0.0454844293 8.590126e-02
## 133 -0.0162255743 -0.0150205991 6.225090e-02 0.0259972203 -5.000854e-02
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## 139 0.0962900536 0.0218319020 1.229898e-01 0.0223927560 -1.247072e-03
## 140 -0.0030475424 -0.0045645350 2.394901e-02 -0.0774584803 1.339240e-02
## 141 -0.0025013520 0.0139440078 3.377027e-02 -0.0471477098 -4.428089e-03
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## 146 -0.0124664980 0.0539784195 6.043691e-02 0.0045172207 -5.683640e-02
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## 151 -0.0025425202 0.0314169206 -6.522660e-03 0.0125412708 -1.878355e-02
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## 159 0.0042682682 -0.0310424853 1.575117e-02 -0.0191740994 2.552762e-02
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## 161 0.0564770021 -0.0169262308 7.233446e-02 0.0065604635 -8.566260e-03
## 162 -0.0727288543 -0.0712681012 6.041748e-03 0.0163749663 1.020824e-02
## 163 -0.0157498889 -0.0717255573 -2.633281e-02 -0.0988312652 -7.914274e-02
## 164 -0.0192346733 0.0014744542 -3.219418e-02 -0.0165488685 7.261297e-02
## 165 -0.0041300387 0.0646081554 -2.236785e-02 -0.0562912114 1.445630e-02
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## 167 0.0222439684 0.0489212320 -7.263260e-02 0.0268523925 -3.630049e-02
## 168 -0.0453030109 -0.0204155626 1.042062e-02 0.0765411012 -2.665765e-02
## 169 -0.0120333755 0.0594642317 -1.889501e-03 0.0469911003 -2.011357e-03
## 170 0.0290883573 -0.0543406720 6.451618e-02 -0.0185026922 -4.365414e-02
## 171 0.0035411597 0.0017706615 -1.517013e-03 -0.0641623181 -5.747389e-02
## 172 0.0848104456 -0.0301850267 2.494531e-02 0.0324729312 8.900812e-03
## 173 0.0115282071 -0.0161493262 2.511441e-02 0.0123731807 3.102767e-02
## 174 -0.0323005477 -0.0247232291 -7.534715e-02 0.0348992862 4.246011e-02
## 175 0.0979047751 -0.0350939564 2.490528e-02 -0.0533314069 2.008034e-02
## 176 -0.0162606315 -0.0933045343 8.132366e-02 0.0710612133 9.329550e-03
## 177 0.0345627221 0.0436457089 -4.675894e-03 0.0248447347 -3.534448e-02
## 178 -0.0516414268 0.0409988797 4.565908e-02 -0.0330952647 -4.484236e-02
## 179 0.0117301450 -0.0384081115 -4.692204e-02 -0.0531547436 2.536211e-02
## 180 -0.0624638544 0.0169137652 -6.367087e-02 -0.0049504946 2.905631e-02
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## 182 -0.0009804123 -0.0293248801 -1.992776e-02 0.0528429970 3.804747e-02
## 183 -0.0481295350 0.0074429317 5.477326e-02 -0.0488000318 -2.466247e-04
## 184 0.0143907076 0.0458132974 6.098689e-02 0.0108309984 4.173921e-03
## 185 -0.0393329992 0.0027260795 -5.885160e-02 0.0170994991 -1.146102e-02
## 186 0.0187277640 0.0309957259 3.498722e-02 -0.0459704629 3.130401e-02
## 187 0.0305020467 -0.0245826083 5.840374e-02 -0.0384786743 -1.067591e-02
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## 191 0.0586594241 0.0183568420 2.552117e-02 0.0205945488 -1.459138e-02
## 192 0.0458484123 -0.0165158453 6.727099e-03 0.0287928705 -3.442662e-02

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## 193	-0.0473678234	-0.0075966675	3.173565e-02	0.0213363769	3.326065e-03
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## 195	-0.0238947612	0.0202046087	-3.798810e-02	0.0120441608	5.086023e-03
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## 197	0.0266788627	-0.0007262719	1.445935e-02	-0.0052077314	2.358843e-02
## 198	-0.0290869552	0.0371947035	6.250521e-02	0.0348035514	6.987729e-02
## 199	0.0269669145	-0.0902259115	-1.162968e-02	0.0016326567	-4.965245e-03
##	V336	V337	V338	V339	V340
## 1	3.636606e-02	0.0062927784	-0.0469544219	2.737500e-02	-0.0330390657
## 2	-5.343246e-02	0.0367290440	0.0517500487	-2.319971e-02	0.0237960503
## 3	-4.185209e-02	0.0219343485	0.0010709024	3.328758e-02	0.0288284239
## 4	-7.675242e-02	0.0345137000	-0.0294147642	-3.307273e-02	0.0015234923
## 5	2.261471e-02	-0.0817135998	0.0158593818	1.967784e-03	0.0112078834
## 6	-1.730434e-02	0.0518255350	-0.0050547466	-8.858038e-03	-0.0324551256
## 7	-1.559807e-03	-0.0154930914	-0.0504335053	3.490696e-02	0.0450113758
## 8	-2.974614e-02	0.0294805571	0.0643304967	-6.112561e-03	-0.0830353662
## 9	4.777297e-02	-0.0914071930	-0.0271320042	2.408728e-02	0.0267930480
## 10	-5.920116e-02	0.0295348497	-0.0264750107	3.437614e-02	-0.0021216229
## 11	-3.935491e-02	-0.0265931811	0.0048239049	-4.050757e-02	0.0477888618
## 12	1.339262e-02	0.0073704906	0.0109815688	1.305163e-02	-0.0307746818
## 13	8.468047e-02	-0.0036154796	-0.0340538987	-3.287673e-02	-0.0111653128
## 14	3.952145e-02	-0.1217567275	-0.0196643742	6.417332e-02	-0.0457518722
## 15	-5.682860e-03	0.0597918672	0.0563793343	-7.844379e-02	0.1294882087
## 16	3.121022e-02	-0.0340766814	0.0517288716	2.917732e-02	-0.0353038467
## 17	-1.408132e-01	0.0550502289	-0.0437248121	3.410454e-02	0.0086292937
## 18	-4.260142e-02	0.0053958011	-0.0672037047	3.890673e-02	0.0142200490
## 19	1.402623e-02	0.0158432964	0.0058430388	-2.620303e-02	-0.0484673795
## 20	6.395553e-02	-0.0108463168	-0.0958295276	-1.406173e-02	-0.0435038138
## 21	-7.204797e-02	0.0040532849	0.0181654386	-4.507395e-02	0.0380668424
## 22	6.431027e-02	-0.0035999663	0.0416603716	3.748286e-02	0.0406138272
## 23	2.123559e-03	-0.0762885233	-0.0275374509	3.912856e-02	0.0367393448
## 24	5.960299e-02	-0.0385919947	0.0502148663	1.789410e-02	-0.0303206205
## 25	5.849037e-02	-0.0616983721	-0.0205782428	-7.846707e-04	0.1566279855
## 26	5.878627e-03	-0.0098845144	0.0460869365	-1.476791e-02	0.0002921265
## 27	3.372949e-02	0.0510486065	-0.0368856675	9.234854e-02	0.0498790718
## 28	-6.616411e-02	0.0861230314	0.0531666426	2.230946e-02	0.0645542327
## 29	4.150814e-02	-0.0044402384	0.0579412136	-3.499169e-02	-0.0014664716
## 30	6.725265e-02	0.0119749534	-0.0121192030	-2.250888e-02	0.0188853856
## 31	-4.935058e-02	0.0141233355	0.0071727436	-7.381196e-03	-0.0018793865
## 32	-2.377115e-02	-0.0463827870	0.0048178050	-5.985668e-02	-0.0284031758
## 33	3.914290e-02	-0.0091865314	-0.0599142410	1.351741e-02	-0.0859769365
## 34	-5.168559e-02	0.0227401957	-0.0412215403	-5.638177e-03	-0.0820681651
## 35	-5.383342e-02	-0.0020593486	-0.1092017807	-3.810864e-02	0.0867231338
## 36	-1.746754e-02	0.0640842554	-0.0404279518	1.005813e-02	0.0182303001
## 37	6.399723e-02	0.0525172520	-0.0398395695	7.513152e-02	0.0199856205
## 38	-2.138415e-02	0.0193445696	0.0140461941	1.368426e-03	-0.0401220104
## 39	3.328973e-02	-0.1003966103	-0.0170980718	1.416817e-02	-0.0162705866
## 40	2.565045e-02	0.0211793089	-0.0160050052	-2.578949e-02	0.0323451775
## 41	-2.164968e-02	-0.0619859860	-0.0040967800	4.257714e-02	-0.0331475975
## 42	2.759454e-02	-0.0479378355	0.0266423018	-5.887209e-05	0.0059018636
## 43	-1.913545e-02	-0.0675831912	0.0295257106	-1.418226e-02	-0.0795309096
## 44	2.348237e-02	0.0638334973	0.0348317563	6.744689e-03	0.0020015588
## 45	1.495613e-03	-0.0307485074	-0.0105521277	-6.786869e-02	0.0086916792
## 46	-8.821028e-03	-0.0522850084	0.0124815673	-6.348517e-02	-0.0524641893

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## 47 -2.407704e-03 -0.0054441571 0.0707089110 1.470373e-02 0.0209528153
## 48 -1.950089e-02 0.0291409291 0.0590665411 2.965507e-02 0.0631917928
## 49 -4.515250e-02 0.0059731340 -0.0311361119 -7.353323e-02 -0.0748132997
## 50 -5.026207e-04 0.0122521523 -0.0188827423 -2.694323e-02 0.0240711088
## 51 4.601221e-02 0.0099823618 -0.0138671020 7.058452e-02 -0.0170924821
## 52 -4.339981e-02 0.0535909537 0.0142807292 -5.643395e-02 0.0307787829
## 53 2.223082e-02 0.0206251603 0.0661885941 5.948749e-02 0.0006634056
## 54 7.784166e-02 -0.0184393442 0.0285049523 -5.632742e-02 0.0058428762
## 55 -4.888068e-02 -0.0398879578 0.0242457211 2.603147e-02 0.0522141686
## 56 -1.202669e-01 -0.0435825580 -0.0890654313 9.271874e-03 0.0263996833
## 57 -7.040239e-02 0.0011589729 -0.0138507034 -3.828820e-02 0.0310560059
## 58 3.735815e-02 0.0534331992 -0.0023534658 -3.045217e-02 -0.0250885329
## 59 -3.671222e-02 0.0001535893 0.0278517401 -4.804256e-02 -0.0226324048
## 60 -2.013765e-02 0.0097225406 0.0302287327 -7.271674e-02 0.0490082436
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## 63 -1.287904e-02 0.1045768333 0.0280652459 9.937439e-02 0.0564624106
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## 98 1.915776e-02 -0.0038561169 -0.0071292256 7.133778e-03 0.0019369654
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## 101 -1.815533e-02 0.0473313127 -0.0352934239 2.917923e-02 0.0319825504
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## 104 2.307650e-02 0.0116449597 0.0790148706 -2.058522e-02 0.0609731247
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## 106 -6.357521e-02 -0.0374536624 -0.0133400995 -9.809497e-03 -0.0358612775
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## 117 -9.277481e-03 0.0162147648 0.0857002036 5.389396e-02 0.0365368868
## 118 -1.491309e-02 -0.0452592108 0.0128381089 2.698171e-03 0.0381442075
## 119 5.924771e-02 0.0237193439 -0.0060281945 -4.977149e-02 0.0158103259
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## 124 2.174969e-02 -0.0965811673 -0.0800177140 5.280192e-02 -0.0750660588
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## 155 -6.719993e-02 -0.0867569329 0.0234396276 4.714210e-02 0.0351447399
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## 158 5.770681e-03 0.0633084777 0.0470917971 -1.626092e-02 0.0513051392
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## 185 -7.642359e-03 0.0002437084 -0.0562451347 1.335107e-03 0.0580228440
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## 187 6.994709e-04 0.0338842643 0.0195505170 7.400198e-02 -0.0665311983
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## 195 1.583845e-03 0.0305765283 0.0296439949 1.299794e-02 0.0280390899
## 196 -5.842161e-03 0.0024057307 -0.0482553983 -3.193940e-02 0.0137659243
## 197 2.443055e-02 0.0088193380 -0.0258988884 -1.406903e-02 -0.0702547203
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##          V341          V342          V343          V344          V345
## 1  -0.0494331216 -0.0106415805 -2.429866e-02 0.0199523309 -0.0295743799
## 2   0.0339009567 -0.0321093623 6.279473e-02 0.0793533059 -0.0710775926
## 3   0.0782287144 -0.0387855404 -6.402794e-03 -0.0660046971 0.0994915308
## 4  -0.0700973850 -0.0092062573 -2.389395e-02 0.0062587635 0.0677287744
## 5   0.0531876435 -0.0154802632 -1.168383e-01 0.0024658247 -0.0859853380
## 6  -0.0646362918 -0.0573951321 -3.154905e-02 -0.0033857353 0.0106063196
## 7  -0.0411255270 0.0164685066 6.836397e-02 0.0505373232 0.0208082717
## 8   0.0063650391 -0.0115661241 5.170579e-02 -0.0229655548 -0.0291836232

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## 9	-0.0117360635	-0.0426594598	-5.215232e-02	-0.0327244601	0.0529783552
## 10	-0.0538428594	0.0093147832	1.565876e-02	-0.0001710030	-0.0546299585
## 11	0.0184853402	-0.0744073330	-4.413903e-02	-0.0244512398	0.0023226974
## 12	-0.0313913349	0.0268628543	-4.294226e-03	0.0362862740	-0.0636068689
## 13	0.0052894747	-0.0245445325	2.869909e-02	-0.0196099887	-0.0996656671
## 14	-0.0179611269	-0.0054613468	-5.504780e-02	0.0594107541	-0.0273160985
## 15	-0.0501005397	0.0639606643	-3.956632e-02	0.0428159390	0.0496335111
## 16	-0.0094678989	0.0771138912	-1.258828e-02	0.0346641707	0.0302245977
## 17	-0.0434048062	0.0280351562	-5.870147e-02	-0.0130802321	0.1178243818
## 18	0.0149234144	0.0317179877	3.684992e-03	-0.0470656524	0.0498037336
## 19	0.0062245207	0.0987421993	2.517677e-02	-0.0096529637	0.0201092877
## 20	-0.0269215267	-0.0575607853	-6.436262e-03	-0.0804954898	-0.0587994736
## 21	0.0044665818	0.0771078398	-3.437602e-02	-0.0668339152	-0.0102736144
## 22	-0.0086097705	0.0307299236	-3.093271e-02	-0.0109393384	0.0566636874
## 23	0.0790555119	0.0278032180	2.350801e-02	-0.0022813460	-0.0595634594
## 24	0.0223550867	0.0212485902	-1.783308e-03	-0.0138060641	0.0459857527
## 25	-0.0324286279	0.0510372521	-4.592308e-02	0.0033551234	-0.0405818959
## 26	-0.0187717720	-0.0504031058	-3.484116e-02	0.0001520381	0.1169265117
## 27	0.0115505756	-0.0200843081	-4.206366e-02	0.0133705203	-0.0166673413
## 28	0.0153324437	0.0443913918	3.276194e-02	0.0065608446	0.0066765293
## 29	0.0455958032	0.0223221018	1.833828e-02	0.0113260703	-0.0267301011
## 30	0.0423811566	0.0240606071	1.627210e-02	-0.0293835517	-0.0387229997
## 31	0.0678193148	0.0128604700	4.225269e-02	0.0503277157	0.0479388285
## 32	-0.0708728308	0.1161004665	1.878976e-03	-0.0070872877	0.0183075551
## 33	-0.0588103586	-0.0610322553	-1.487846e-02	-0.0463194168	0.0581980286
## 34	0.0257943564	-0.0225024615	2.114921e-02	0.0018751200	-0.0420350463
## 35	0.0193916098	0.0254615096	1.571592e-02	-0.0770495114	0.0533251138
## 36	0.0140375820	-0.0404720125	-2.651279e-02	-0.0386661005	0.0336984930
## 37	-0.0451524418	-0.0006764528	5.089464e-02	-0.0433418468	-0.0535516435
## 38	-0.0382979648	-0.0080295706	-2.404776e-02	0.0322028992	0.0084190239
## 39	0.0314604703	0.0272293727	3.626567e-02	0.0612746932	0.0306216943
## 40	-0.0721038031	-0.0113120200	2.372300e-02	-0.0602643140	-0.0469076878
## 41	-0.0042457810	0.0005153530	5.906327e-02	0.0098317573	-0.0020474790
## 42	0.0180035955	0.0351039295	-7.899916e-02	0.0673966589	0.0831047297
## 43	-0.0379702479	0.0675157943	-3.918591e-02	-0.0354110137	-0.0583455686
## 44	-0.0302408084	-0.0706254859	-1.437887e-02	0.0687207831	-0.0469564984
## 45	0.0290358046	-0.0208469865	1.940792e-02	-0.0203341061	-0.0847124077
## 46	0.0160096334	-0.0236728871	-7.747407e-02	0.0144651864	-0.0016318650
## 47	-0.0193399550	-0.0301643392	-4.684400e-02	0.0095784227	0.0125469015
## 48	-0.0538705930	0.0126702963	2.277123e-02	-0.0165763067	0.0345647927
## 49	-0.0444992476	0.0273954934	-7.843240e-02	0.0211269756	0.0019654801
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## 51	-0.0190201225	-0.0174965907	-3.405639e-05	-0.0273314377	0.0594155066
## 52	0.0606232734	0.0676845779	1.415132e-01	-0.0235399106	0.0018309394
## 53	-0.0672106788	0.0451940264	-6.609878e-02	-0.1237172505	-0.0222806828
## 54	-0.0564642845	0.0023117207	-1.219899e-02	0.0067459020	-0.0438640257
## 55	0.0058782518	0.0638969059	-3.837964e-02	-0.0564904663	-0.0181487330
## 56	0.0216808168	0.0440496814	-5.232268e-02	0.0290240969	0.0367146265
## 57	-0.0005269005	-0.0266656839	-2.018587e-03	-0.0217967377	0.0051222881
## 58	-0.0449688540	0.0247532218	-7.447462e-02	-0.0761205364	-0.0558371299
## 59	0.0053618499	0.0528704045	-2.478607e-02	0.0131429185	0.0078328353
## 60	0.0332447051	0.0211557714	-1.234997e-02	-0.0417892514	0.0435595670
## 61	0.0703296284	0.0365147744	-2.717857e-02	0.0201693769	0.0018681029
## 62	0.0267995727	-0.0024121529	-1.018631e-02	-0.0043557096	0.0237308846

## 63	0.0168707375	0.0236975667	-5.997586e-02	-0.0572068821	-0.0293150833
## 64	-0.0002866819	0.0080696046	-2.392980e-02	-0.0154855972	-0.0188741749
## 65	0.0388361142	-0.0069435485	2.053509e-03	-0.0258607276	0.0203068491
## 66	-0.0267449548	-0.0049650667	-1.351945e-02	-0.0723205581	-0.0102457623
## 67	0.0477573945	-0.0617760976	4.344905e-02	-0.0136181781	0.0299651447
## 68	-0.0608612704	0.0190956336	-4.406049e-02	0.1130785783	0.0558712350
## 69	0.0749554726	-0.0685959643	4.205191e-02	0.0697728676	-0.0126924358
## 70	0.0528441949	0.0493472165	8.775950e-02	-0.0393610489	0.0139087412
## 71	-0.0394737286	0.0105570259	6.377056e-02	-0.0601535069	0.0876079901
## 72	0.0240708683	-0.0426147635	-9.977961e-04	0.0233972005	0.0438515696
## 73	-0.0484417122	-0.0340490060	3.165271e-02	-0.0078820847	0.0302778582
## 74	-0.0304595928	-0.0189724874	5.004519e-02	0.0090604540	0.0771165494
## 75	0.0198961170	-0.0267591832	1.507195e-02	-0.0291938985	0.0822624539
## 76	0.0505982064	0.0972646467	4.216655e-02	-0.1108682687	0.0507399443
## 77	0.0175554856	0.0002230953	-4.342852e-02	-0.0210131000	-0.0522966282
## 78	-0.0577826989	0.0360041236	-1.500874e-02	-0.0619595382	-0.0178926593
## 79	0.1267799637	0.0716448672	-6.438482e-03	0.0230871282	0.0136988006
## 80	-0.0631711679	-0.0277394948	-2.669733e-02	0.0008284030	0.0139826466
## 81	0.0496169065	0.0199445524	-7.524777e-02	0.0735430283	0.0282887701
## 82	-0.0038146218	-0.0301512895	-1.491541e-03	-0.0162369810	0.0274831506
## 83	-0.0201038264	0.0118659457	-3.249786e-02	-0.0453733609	0.0308848263
## 84	0.0461293188	-0.0189158001	-3.131198e-02	-0.0420394195	0.0690624964
## 85	0.0959048818	-0.0726391637	-7.501713e-02	0.0307361511	0.0499780425
## 86	-0.0549035288	0.0522993399	-6.481849e-02	-0.0266626133	0.0931423045
## 87	0.0463339093	0.0874720788	-2.863771e-04	-0.0145073439	0.0030026116
## 88	-0.0994629481	0.0005956205	1.624067e-02	0.0806669434	-0.0304017533
## 89	0.0649258951	0.0050566063	6.343605e-02	-0.0004626050	0.0713876223
## 90	0.0155087713	0.0605223386	7.650551e-03	0.1054805454	-0.0173765316
## 91	-0.0276977223	0.0447127660	-4.111469e-02	-0.0005534978	-0.0464528355
## 92	-0.0100948169	0.0377968308	1.341191e-02	-0.0777644767	-0.0673882950
## 93	-0.0629562798	0.0138887949	-1.879327e-02	0.0699594038	-0.0069530040
## 94	0.0182012874	0.0806062805	-6.304859e-02	0.0900274078	0.0334008628
## 95	0.0185646110	0.0624561486	-8.694222e-04	0.0213773308	-0.0073019267
## 96	0.0348355748	0.0160683613	4.336685e-02	0.0191222578	-0.0557906745
## 97	-0.0056345718	0.0253080240	-1.798219e-02	-0.0048115898	0.0279006389
## 98	0.0906203558	-0.0554826699	-5.768902e-02	0.0244583570	-0.0680949127
## 99	-0.0510297286	-0.0566722787	4.260708e-02	0.0054465451	0.0583656401
## 100	0.0379722109	0.0428237182	7.185161e-02	-0.0348647416	-0.0871979736
## 101	-0.0645371598	-0.0310851190	3.258155e-02	0.0379962261	0.0508945701
## 102	0.0183441734	-0.0157385945	-1.646057e-02	-0.0023688165	0.0033280908
## 103	-0.0548613171	0.0895743488	-3.908427e-02	-0.0402050972	0.0073103005
## 104	-0.0228413515	-0.0262371770	6.080144e-04	-0.0020709863	0.0658590913
## 105	0.0335481867	0.0295009887	-1.868755e-02	0.0286157436	-0.0461194690
## 106	0.0255533845	-0.0291206658	8.698770e-02	-0.0006902603	-0.0130401429
## 107	0.0124910238	0.0053259701	-2.929391e-02	0.0483641004	0.0983237558
## 108	0.0276080471	0.0303901662	5.756714e-02	-0.0206867193	-0.0149104401
## 109	-0.0054128082	-0.0040747599	5.169152e-02	0.0087764662	0.0135600579
## 110	-0.0255342410	-0.1131916940	2.838116e-02	-0.0067488471	-0.0710072745
## 111	-0.0816006347	0.0002014268	-2.391677e-02	0.0308602372	0.0431978253
## 112	-0.0374010148	0.0146058265	-2.401951e-02	0.0124548758	-0.0547794761
## 113	-0.0338519111	0.0383540891	1.095106e-01	0.0292772677	-0.0368188257
## 114	0.0030612883	-0.0619749573	-9.885273e-02	0.0005760335	0.0431960145
## 115	-0.0769759574	0.0399031095	1.122144e-01	0.0238517915	0.0353063900
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## 117 -0.0069210764 -0.0181410133 1.177706e-02 0.0705706265 -0.0149359815
## 118 0.0556192306 0.0123542701 2.823438e-02 -0.1033174368 0.0413774620
## 119 0.0314255967 -0.0451349844 5.506751e-03 0.0142802399 -0.0607951276
## 120 0.0351638249 0.0325153733 4.001487e-02 -0.0434838543 0.0533743351
## 121 -0.0963934039 0.0290981570 1.559134e-02 0.0388839298 0.0296294787
## 122 -0.1018260747 0.0003560441 5.394356e-02 -0.0284702295 0.0349517209
## 123 -0.0095611517 -0.0626953523 -1.585099e-02 0.0160997549 -0.0666137506
## 124 -0.0617053243 -0.0057386938 -5.485457e-03 0.0364693361 -0.0683310270
## 125 0.0255669444 -0.0573993644 -1.011621e-01 -0.0256601995 -0.0637961957
## 126 -0.0029297672 -0.0057888213 -1.854397e-02 -0.0633014419 0.0357595190
## 127 -0.0274476354 -0.0411663077 1.691155e-02 0.0352463973 -0.0424742983
## 128 0.0672698631 -0.0394530747 -8.312538e-02 -0.0007458677 0.0180932131
## 129 -0.0253070743 -0.0070476443 7.433615e-03 0.1017396211 -0.0339982729
## 130 0.0124865737 -0.0786345527 -5.225789e-02 -0.0461933965 0.0217290558
## 131 0.0361149055 -0.0033926584 3.708021e-02 0.0264221846 0.0209841306
## 132 -0.0628194588 0.0129342761 -2.616601e-02 0.0606226683 -0.0488090482
## 133 -0.0112289005 0.0033191581 4.507394e-02 -0.0080716622 0.0322086997
## 134 0.0621454187 -0.0005279756 -7.306680e-02 0.0751239361 -0.0245592001
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## 136 -0.0490773877 -0.0553898413 2.776237e-02 -0.0020473811 0.0065597676
## 137 -0.0020181375 -0.0208785299 -9.110047e-02 0.0404869270 -0.0126416114
## 138 0.0704714145 0.0202434570 -2.697739e-02 0.0123911828 -0.0384647960
## 139 0.0396670999 -0.0458482876 -6.006530e-02 -0.0805927481 -0.0325581937
## 140 -0.1012214379 -0.0313032891 1.813430e-02 -0.0032637759 -0.0264068692
## 141 -0.0409562273 -0.0090480189 2.742942e-02 0.0541255464 0.0429161628
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## 145 0.0415937976 0.0364931295 3.593531e-02 -0.0827202492 -0.0196791087
## 146 -0.0294470221 0.0166230005 -9.796975e-02 -0.0220681614 -0.0433498139
## 147 -0.0080741078 0.0690338927 3.364613e-02 -0.0192273621 0.0401766406
## 148 0.0579651566 0.0103077827 -7.302971e-03 -0.0128230856 -0.0306760474
## 149 -0.0260071619 0.0750749507 -2.173015e-03 0.0483042397 -0.0270231143
## 150 0.0022915417 -0.0344792780 2.559439e-02 -0.0205539920 -0.0818665800
## 151 0.0126145495 -0.0206864594 8.668068e-02 0.1084745761 -0.0538365356
## 152 0.0376105323 -0.0288705927 -1.542601e-02 -0.1031861041 -0.0052058593
## 153 -0.0954205326 0.0712973377 1.864710e-02 0.0618481851 -0.0321721871
## 154 0.0650676269 -0.0149636409 -3.864963e-02 0.0260342445 0.0003810240
## 155 -0.0227930876 -0.0093032634 5.825510e-02 0.0578940766 -0.0769144238
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## 157 -0.0179462484 -0.0339246712 7.056288e-03 -0.0697104567 0.0165274524
## 158 0.0174015897 -0.0124058702 -6.259040e-02 0.0045766571 0.0167817915
## 159 0.0101541793 -0.0482925282 -4.678392e-02 0.0024900777 0.0056212678
## 160 0.0233145056 -0.0559692509 -3.999199e-02 -0.0355694878 0.0632491678
## 161 0.0186594586 0.0695323540 8.415145e-02 0.1093882531 -0.0171370968
## 162 -0.0213095950 0.0447731692 5.826852e-02 0.0148997359 0.0016720475
## 163 0.0149524888 0.0136191662 -8.351987e-03 0.1350654729 -0.0280666333
## 164 -0.0058187737 0.0128357579 2.406552e-02 0.0328619220 -0.0590805120
## 165 0.0588964099 0.0229129679 1.783119e-02 0.0057212577 0.0167188588
## 166 0.0458807805 0.0838891645 -5.490433e-02 0.0203545535 -0.0354043397
## 167 -0.0127822592 -0.0111551552 9.583292e-02 0.0043116651 0.0895458350
## 168 -0.0556170467 0.0816426486 3.356850e-02 -0.0421470029 -0.0589165425
## 169 0.0289348459 -0.0203016058 -6.410363e-02 -0.0119153254 0.0089203744
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## 171	-0.0403973679	-0.0471838076	2.614039e-02	-0.1120378247	0.0646817771
## 172	0.0257473638	-0.0126755262	-2.610764e-02	-0.0293015571	-0.0777682173
## 173	-0.0399268247	-0.0287763144	-5.936415e-02	0.0055682037	0.0596753661
## 174	-0.0244333611	-0.0139715977	4.537428e-02	0.0840939890	0.0007338130
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## 176	0.0542770488	0.0060686138	6.716797e-03	0.0367097540	-0.0041872401
## 177	0.0118522891	0.0201387903	4.550916e-02	0.0679790004	-0.0317118751
## 178	-0.0261994356	-0.0512326197	6.779402e-03	-0.0100089916	0.0443575996
## 179	0.0277056894	0.0288775462	1.164351e-01	0.0290394938	0.0297970800
## 180	0.0022865290	-0.0089781240	-4.251514e-02	-0.0544429574	0.0517858520
## 181	0.0663508626	-0.0283516102	-8.370512e-02	-0.0157349784	0.0243196278
## 182	0.0291630160	0.0151915764	4.205757e-02	-0.0009039858	-0.0597742983
## 183	-0.0487521746	0.0251668402	2.246098e-02	-0.0074291204	0.0348861730
## 184	-0.0510938114	0.0004266366	-2.245840e-02	0.0253020094	0.0460854721
## 185	-0.0100448374	0.0023171086	1.707242e-02	0.0079255793	-0.0677317541
## 186	-0.0264718290	-0.0133817585	3.058246e-02	0.0454398746	0.0386664419
## 187	-0.0289949834	0.0356707819	7.173592e-02	0.0667919490	-0.0791307883
## 188	-0.0063597312	-0.0380825032	-6.757166e-02	-0.0038698947	-0.0133397705
## 189	0.0496513733	0.0648509327	3.348564e-02	0.0063939372	0.0588556127
## 190	-0.0591081966	-0.0655677541	5.589100e-03	-0.0626930713	-0.0330081374
## 191	-0.0205466313	-0.0113522197	2.654883e-02	-0.1227035247	-0.0245076971
## 192	0.0359679864	-0.0412881968	-2.149097e-03	-0.0159629536	-0.0514609912
## 193	0.0681070001	0.0291204290	5.398935e-02	-0.0471021808	0.0600947411
## 194	-0.0116177077	0.0497979108	6.732139e-02	0.0282845582	0.0476916175
## 195	-0.0411318185	-0.0397325443	5.782678e-02	-0.0026246895	-0.0132786658
## 196	0.0694514545	0.0043924827	7.939833e-03	-0.0355339670	0.0099165384
## 197	-0.0674901180	0.0116825631	8.761741e-02	0.0081983077	0.0560337726
## 198	0.0128649156	-0.0462352180	8.244118e-02	0.0150088072	-0.0001447495
## 199	0.0018562578	0.0266016268	-9.567192e-02	-0.0120265091	-0.0055538794
##	V346	V347	V348	V349	V350
## 1	0.0132699698	0.0632361539	-0.0818309246	-0.0634413265	-0.0377167852
## 2	0.0104213813	-0.0048716082	-0.0705921051	-0.0533867444	0.0133370436
## 3	-0.0752932275	-0.0055419854	0.0367083831	-0.0466181663	0.0017895786
## 4	-0.0210040202	-0.0349486788	0.0509352148	-0.0617373728	0.0250930847
## 5	-0.0421069573	0.1155391595	0.0609720419	0.0296528290	0.0260009999
## 6	-0.0257733130	0.0010314553	-0.0333745070	0.0579434950	-0.0098203073
## 7	0.0036620713	-0.1223196299	0.0239121882	-0.0012272632	-0.0461997233
## 8	-0.1387960857	0.0473180082	0.0893087330	-0.0006824218	-0.0044908024
## 9	0.0317724367	0.0559989185	-0.0087872048	-0.0088250022	0.0227282485
## 10	-0.0230513500	-0.0149414488	-0.0439699606	-0.0338419107	0.0190883220
## 11	0.0669582842	-0.0201575577	-0.0185209238	-0.0734076834	0.0404101663
## 12	0.0847012711	0.0023838686	0.0848026387	0.0012602609	0.0059803625
## 13	-0.0477715906	-0.0791475522	0.0479721070	-0.0694660984	0.0515079778
## 14	-0.0211231632	-0.0229626544	-0.0125859265	-0.0206539811	-0.0292240075
## 15	0.0026689197	-0.1076479696	-0.0017486819	0.0631175422	0.0017270884
## 16	0.0763620934	-0.0151774805	-0.0062665160	0.0839544511	-0.0223090869
## 17	0.0100285441	-0.0310288627	-0.0271627305	-0.0187507337	-0.0325761872
## 18	-0.0804932633	0.0493616052	-0.0306273568	0.0562492904	-0.0407650853
## 19	0.0464309824	-0.0184350628	-0.0741865209	0.0033110681	0.0157281848
## 20	-0.0040533724	0.0442897303	0.0359466517	-0.0248942229	0.1034333392
## 21	-0.0527842718	0.0276277009	0.0526257967	0.0204191452	-0.0374079516
## 22	-0.0014477773	-0.0117856157	-0.0137234259	0.0417264153	0.0639214460
## 23	0.0610750667	0.0490032231	0.0550022667	0.0366644478	0.1142527477
## 24	-0.0153854642	-0.0642671820	-0.0229020408	0.1447141065	0.0004980297

## 25	0.0066218029	-0.0211191948	-0.0165648748	-0.0187905310	0.0239947605
## 26	-0.0137244294	0.0202611420	-0.0137692703	-0.0396458709	-0.0614603736
## 27	-0.0120074679	-0.0115111277	-0.0035211365	-0.0252368329	0.0074305411
## 28	0.0141700019	-0.0519477360	-0.0862126600	-0.0578449908	0.0331151144
## 29	-0.0931133990	-0.0076637553	0.0634258645	-0.0276378423	0.0525942196
## 30	-0.0714652400	0.0206737958	0.0696977730	-0.0291733694	0.0611991471
## 31	0.0466053479	-0.0195093580	0.0292472592	0.0295756861	-0.0299248929
## 32	-0.0522898655	-0.0219759248	0.0262322498	-0.0441154111	0.0712584075
## 33	0.0193699270	0.0964132896	-0.0970268794	-0.0058706752	0.0137169769
## 34	0.0257373858	-0.0615676870	-0.0262731156	-0.0446773904	0.0177717404
## 35	0.0869675337	0.0143346611	0.0235773685	-0.0685315066	0.0135289156
## 36	0.0729029423	-0.0194345655	-0.0080712593	-0.0331386321	0.0165707978
## 37	0.0069121209	0.0177663125	0.0392147126	0.0694165003	0.0020664476
## 38	-0.0309262531	-0.0676023854	-0.0958383994	0.0496710083	0.0423151855
## 39	0.0132651482	-0.0369365015	0.0270184120	-0.0218756848	-0.0662693685
## 40	0.0269044216	0.0242806780	0.0196705925	0.0433677245	-0.0305620192
## 41	0.0601947406	0.0973576684	-0.0054121486	0.0375423447	0.0317508451
## 42	0.0022833018	0.0171490458	-0.0235338564	0.0135120644	0.0512027628
## 43	0.0459471665	0.0679390695	-0.0095575151	0.0783501145	-0.1221589256
## 44	0.0146772918	-0.0746918274	-0.0221698474	-0.0658547303	-0.0417019529
## 45	0.0124603998	0.0634890129	-0.0027117790	-0.0351588131	0.0599697167
## 46	-0.0438246129	-0.0870973111	0.0317326536	-0.0108624927	-0.0108106304
## 47	0.0300843169	0.0350518542	0.0327223485	-0.0606037040	0.1010564372
## 48	-0.0063855074	0.0758022850	-0.0006492879	-0.0545154152	0.0104713277
## 49	0.0052026787	-0.0334792868	-0.0383659400	0.0087023091	0.0181657115
## 50	-0.0266391794	-0.0075458059	0.0337694775	-0.0382415864	0.0455344866
## 51	-0.0408027802	-0.0179187398	-0.0052683352	0.0267556638	0.0132553803
## 52	0.1036944116	0.0328578532	0.0101696800	0.0038853325	0.0713606229
## 53	-0.0401088127	0.0928245598	0.0705358520	0.0465665911	-0.0526897637
## 54	0.0594378740	-0.1081886210	-0.0751459586	0.0368277402	-0.0347740535
## 55	0.0496047059	-0.0336206245	0.0106905320	-0.0035639821	-0.0150120487
## 56	0.0216534010	-0.0299259264	-0.0260599845	0.1082566121	-0.0003056503
## 57	0.0423587885	-0.0245435824	-0.0252198112	-0.0584311074	-0.0647582686
## 58	-0.0332410363	0.0425202583	0.0648827384	-0.0050552100	0.0303029697
## 59	0.1039178081	0.0135657968	0.0598697211	-0.0180731322	-0.0173689873
## 60	0.0109716932	-0.0506158524	-0.0211748581	0.0400027405	-0.0100222660
## 61	0.0190491654	-0.0466593845	-0.0363116606	-0.0014670361	0.0611259768
## 62	-0.0580695076	-0.0511722207	-0.0680915565	-0.0260723629	0.1234421588
## 63	0.0263903093	0.0623976403	-0.0698925571	0.0707479212	0.0717610651
## 64	0.0115167764	0.0599869850	-0.0046829417	0.0426772425	-0.0054680931
## 65	0.0757506235	-0.0394851783	0.0555811112	-0.0110191197	-0.0177978318
## 66	0.0265455123	0.0189000360	0.0672643038	0.0261607602	-0.0438721954
## 67	0.0121178182	-0.0340328973	0.0595697331	-0.0522896742	-0.0817933132
## 68	0.0629696157	0.0065621867	-0.0328107827	-0.0378067350	-0.0037149582
## 69	-0.0341719687	0.1172887267	-0.0631014683	-0.0692924282	-0.0141923820
## 70	-0.0358671545	-0.0099196289	-0.0742336228	-0.0301831133	0.1179686936
## 71	-0.0424135877	0.0145084495	0.0265597883	0.0629321836	0.0117390206
## 72	-0.0595520460	-0.0120732744	-0.0059339837	0.0038238312	-0.1276022074
## 73	-0.0273373243	0.0145066558	0.0734562925	0.0026680759	-0.0246190101
## 74	-0.0271148842	0.0129655046	-0.0084430585	-0.0627296293	-0.0098812374
## 75	0.0399369861	-0.0345738628	-0.0223392844	-0.0362127019	-0.0422138275
## 76	0.0289405645	-0.0347489090	-0.1021558374	-0.0062968027	0.0400640283
## 77	-0.0679487408	0.0110299577	0.0027631708	0.0244396320	-0.0106766951
## 78	0.0813588254	-0.0682485888	-0.0195570562	0.0123764912	0.0242394134

## 79	-0.0381744776	-0.0353351698	-0.0991242390	-0.0076107827	0.0324893937
## 80	0.0221995858	0.0478505774	-0.0091930695	0.0837198101	0.0826689840
## 81	-0.0182692915	-0.0233539642	-0.0360496592	-0.0887394707	-0.0013690195
## 82	-0.0013199447	-0.0145847210	0.0607791263	0.1343346104	0.0372407143
## 83	0.0792949283	0.0711000253	-0.0533386082	0.0533260303	-0.0289610087
## 84	0.0559759254	0.1134647694	0.0158100445	0.0189467201	-0.0130473500
## 85	-0.0443115037	0.0051432211	-0.0139004190	0.0097408375	-0.0188699198
## 86	0.0665970171	-0.0647578727	0.0119757571	0.0243715764	-0.0870002563
## 87	-0.0006633017	-0.0273937105	-0.0130559838	0.0342510237	0.0324796224
## 88	0.0820854219	0.0168118646	0.0442225233	0.0306863467	0.0134985736
## 89	-0.0972712399	-0.0105453185	-0.0147880628	0.0823982586	-0.0118472499
## 90	-0.0634229011	0.0460100471	0.0501254637	-0.0580133310	-0.0624730951
## 91	-0.0132982642	0.0854350407	-0.0062349055	0.0476097695	-0.0659413995
## 92	-0.0270144513	0.0039834853	0.0685108155	-0.1280901263	0.0539057438
## 93	-0.0098204174	-0.0014147726	-0.0467986429	0.0719963391	-0.0037745373
## 94	-0.0022427900	-0.0108576920	-0.0783712658	0.0627497230	-0.0769270313
## 95	0.0342156437	-0.0102649299	0.0147074424	0.0234202308	-0.0837870729
## 96	-0.0361927042	-0.0373336758	0.0335127733	0.0124518854	-0.0106902926
## 97	-0.0846082229	0.0573872527	-0.0362112331	0.0080583625	-0.0147620216
## 98	0.0007602201	0.0703790886	-0.0011539991	-0.0392491287	-0.0381600883
## 99	-0.0335521848	-0.0232976860	-0.0127133953	0.0299144891	0.0490734184
## 100	-0.0250846630	0.0290632716	0.0637232485	0.0753607725	-0.0081031754
## 101	0.0582110043	-0.0109749621	-0.0036742217	-0.0317459218	-0.0404684820
## 102	-0.0119503954	-0.0074552988	-0.0313587918	-0.0241986908	0.0267794052
## 103	-0.0541618132	0.0485945610	0.0342915259	-0.0440590628	-0.0477883492
## 104	-0.0865033628	0.0400666068	0.0220900328	-0.0104802847	-0.0047581250
## 105	-0.0167513315	-0.0669645671	0.0301375867	0.0681681337	0.0058464091
## 106	-0.0188791998	-0.0155253658	0.0576250150	-0.0404892566	0.0022850764
## 107	0.0524880512	0.0136129771	0.0744059213	0.0378254358	-0.0852245240
## 108	0.0487427024	0.0781859503	-0.0171235252	-0.0105669935	0.0008357757
## 109	-0.0564292351	0.0300167946	0.0738321380	0.0117075785	0.0532046750
## 110	-0.0045144289	-0.0412825510	-0.0141106054	0.0261510069	0.0586894311
## 111	0.0722542407	0.1213441127	0.0377339319	-0.0955001673	-0.0264867119
## 112	-0.1069933511	-0.0182326306	0.0515975150	0.0060192814	0.0856355102
## 113	0.0250954599	-0.0036090009	0.0242064345	0.1430749669	0.0276686302
## 114	0.0203367530	-0.0209351822	0.0327187485	-0.0657347640	0.0420303330
## 115	-0.0068856193	-0.0250703188	-0.0807615264	-0.0085314554	0.0348128532
## 116	-0.0017568770	-0.0610407122	0.0048131500	-0.0036453295	-0.0194174349
## 117	0.0459343944	0.0100686036	0.0494742346	0.0215262019	-0.0512025584
## 118	0.0200728801	0.0400707874	0.0138444577	0.0326845878	0.1021128767
## 119	-0.0127803664	0.0007597331	-0.0266739411	0.0414099758	0.0214292927
## 120	0.0245919838	0.0054811550	-0.0308562611	-0.0804467323	-0.0584507193
## 121	0.0443231615	0.0230180491	0.0094699968	0.0501472070	-0.0103478672
## 122	0.0374495620	0.0057591895	0.0453187621	0.0297933557	-0.0359428186
## 123	-0.0447253459	0.0399162089	-0.0005745000	-0.0260000413	-0.0315287550
## 124	-0.0644583951	-0.0036289963	-0.0183434957	0.0321392321	0.0467307584
## 125	0.0230407308	-0.0241465849	-0.0431953961	-0.0076908209	0.0404690397
## 126	-0.0097976089	-0.0838033927	-0.0307990070	-0.0244821092	0.0268722828
## 127	0.0251184307	-0.0290833774	0.0427149561	-0.0045235487	-0.0291544688
## 128	0.0493511549	0.0443020791	-0.0322771821	-0.0624890498	0.0172669304
## 129	-0.0463057598	0.0213680987	0.0402524740	0.0455101601	-0.0464216081
## 130	-0.0745862498	0.0113963879	-0.1096080712	0.0078678419	-0.0343815317
## 131	0.0060785416	0.0624477219	-0.0145033069	-0.1338190988	0.0029120923
## 132	0.0296586583	-0.0173865693	-0.0543978495	-0.0345538245	0.0298282855

## 133	0.0196181136	-0.0418168645	0.0930372116	-0.0473877002	0.0722670644
## 134	0.0191985776	-0.0530075437	-0.0016377828	0.0760910267	0.0232094323
## 135	-0.0096373219	-0.0016307608	-0.0533713335	0.0803213842	0.0009366026
## 136	-0.0439926294	0.0085336324	-0.0486845193	0.0126174764	-0.0361213096
## 137	0.0067942048	0.0667372453	0.0145846365	-0.0261523105	-0.0637288971
## 138	-0.0045939883	0.0143721740	-0.0027442584	-0.0780568981	-0.0156725812
## 139	0.0369013880	0.0059216835	0.0123162913	-0.0193375779	0.0523688656
## 140	0.0790415448	0.0258235834	0.0464523572	-0.0396584928	0.0677649508
## 141	-0.0165636123	-0.0213739456	0.0249829338	0.0297349317	-0.0640866089
## 142	0.0162973720	-0.0185405824	0.0642353761	-0.0692216719	-0.0375513596
## 143	-0.0142905022	0.0018150121	0.0447801177	0.0302624984	0.0505770501
## 144	0.0453454309	0.0255336778	0.0132981042	0.0321061457	-0.0414487992
## 145	-0.0206268829	-0.0890744899	0.0471091769	0.0895852432	-0.1165540635
## 146	-0.0173377864	-0.0173490663	0.0245429269	-0.0257310956	0.0240532462
## 147	0.0090257510	0.0326962966	0.0148160832	0.0382674353	-0.0142205303
## 148	0.0218642690	-0.0192007847	0.0174814319	0.0646022430	0.0338573818
## 149	-0.0671890296	-0.0151228002	-0.0962475125	0.0091588767	0.0119078552
## 150	-0.0643491780	-0.0065334512	0.0024946220	-0.0012000787	0.0054502457
## 151	-0.0749464756	-0.0556932051	0.0827335331	0.0710671417	-0.0014660936
## 152	-0.0193336946	-0.0289254827	-0.0050531418	0.0587308705	-0.0033513794
## 153	0.0242196449	0.0613706807	0.0393005583	0.0140685889	-0.0739626604
## 154	0.0358189151	0.0227114383	-0.0145779259	0.0377236105	0.0178760008
## 155	-0.0497141840	0.0344449867	0.0322993106	-0.0056149698	-0.0235512502
## 156	-0.0974364822	0.0417398979	0.0361371549	0.0327831862	-0.0178790922
## 157	-0.0165481550	0.0079667523	-0.0314363812	0.0204076914	-0.0059851369
## 158	0.0084382475	-0.0010656431	-0.0790660392	-0.0001791379	0.0551775791
## 159	0.0190447214	0.0486665073	0.0495921224	0.0185618231	0.0251075684
## 160	-0.0100212296	-0.0510415965	-0.0103362249	-0.0169916924	-0.0626223220
## 161	-0.0142735867	0.0657867774	0.0714749056	-0.0487040698	-0.0034733334
## 162	-0.0303660685	0.0201266300	0.0266899370	0.0428124411	0.0268211535
## 163	-0.0245216144	-0.0363891092	0.0305701725	0.0187030421	0.0020382289
## 164	-0.0366045839	0.0990428517	-0.0447252026	-0.0339415209	0.0053307902
## 165	-0.0405846683	0.0428021896	-0.0259328447	-0.0921343531	0.0209148119
## 166	-0.0659801152	-0.1147354173	-0.0424716699	0.0050783835	0.0654274956
## 167	-0.0440636456	-0.0160135460	0.0573736297	0.0232091201	0.0317039905
## 168	0.0366104049	-0.0162990120	-0.0246139631	0.0160838271	-0.0157349151
## 169	-0.0192041355	0.0044073073	-0.0502602153	0.0373816050	0.0112370510
## 170	0.0094518681	-0.0581184876	-0.0849302143	0.0529822905	0.0632240607
## 171	0.0446636554	0.0100261419	0.0218076315	0.0904023449	-0.0544845309
## 172	0.0253803549	-0.0201525315	-0.0037001446	-0.0092789361	-0.0290436404
## 173	0.0067376464	-0.0501605070	0.0590863001	0.0425667560	-0.0124562641
## 174	-0.0202091305	-0.0423345887	-0.0089029681	-0.0192583177	-0.0113964539
## 175	0.0378653006	-0.0420801781	0.0293448689	0.0120281105	0.0892349320
## 176	-0.0770652671	-0.0350443298	0.0051835423	0.0196030678	-0.0657481135
## 177	-0.0497936676	-0.0144675505	0.0011282044	0.0273987641	-0.0100015159
## 178	-0.0308593864	0.0472003570	0.0295680874	0.0043399589	0.0252868544
## 179	0.0335939454	-0.0110428683	0.0389243285	-0.0132379900	-0.0528156007
## 180	-0.0039427203	0.0266539289	0.0624963166	0.0611191616	-0.0058103300
## 181	-0.0876992150	-0.0472848641	-0.0375263974	0.0132920911	0.0542832016
## 182	-0.0115267483	-0.0105226436	-0.0516091266	0.0359230637	-0.0328179907
## 183	0.0044518177	0.0513614021	0.0687061481	0.0262548404	0.0085111756
## 184	0.0215039969	-0.0414799074	-0.0580669891	-0.0805258024	-0.0197832344
## 185	0.0205184787	0.0479254513	-0.0170606176	-0.0325271326	0.0244985881
## 186	0.0390221749	-0.0133656392	-0.0222661320	-0.0076766605	-0.0479669499

## 187	-0.0837297327	-0.0488757984	-0.0194164862	-0.0734374284	-0.0270405020
## 188	-0.0054991700	0.0612784632	-0.0434586500	0.0127241036	-0.0524446886
## 189	0.0482122700	0.0289556223	-0.0211689040	0.0070692746	0.0607541489
## 190	-0.0166247628	-0.0139850861	-0.0374890067	-0.0491066078	0.0349028590
## 191	-0.0500593161	-0.0281563590	0.0116730451	0.0052582203	-0.0167926508
## 192	-0.0050677102	0.0676873084	-0.0243782085	0.0600589024	0.0259524358
## 193	0.0146986689	-0.0259948277	0.0833904165	-0.0625486165	0.00597773802
## 194	-0.0046406580	-0.0568118913	0.0028941153	-0.0206699324	0.0127221125
## 195	0.0341980896	0.0220103373	-0.0211376377	-0.0501664153	-0.0893412401
## 196	0.0316806538	0.0183715532	-0.0476181867	0.0435947953	0.0099173169
## 197	0.0130229128	-0.0307314579	0.0059485207	-0.0230862532	-0.0083274154
## 198	-0.0054777654	0.0540803095	0.0792688117	0.0177048377	0.0686526202
## 199	0.0204564363	-0.0028146495	0.0879768816	0.0743375543	-0.0187536015
##	V351	V352	V353	V354	V355
## 1	5.731797e-02	0.0113294530	-4.172798e-02	0.0128360400	-0.0474732504
## 2	-1.407479e-02	-0.0155020649	-2.424893e-02	0.0394716860	-0.0235335860
## 3	-2.265122e-02	-0.0392969814	-1.266850e-02	0.0053683270	0.0920143520
## 4	1.980916e-02	-0.0335638448	-2.590840e-02	-0.0012097669	0.0725670920
## 5	-6.122881e-03	0.0668417667	2.694745e-02	-0.0520865370	0.0184254361
## 6	1.790232e-02	-0.0169402997	-4.538983e-02	-0.0305185888	-0.0092598227
## 7	-2.889507e-02	-0.0458545680	4.933195e-02	0.1005803925	-0.0403492606
## 8	-9.419963e-03	0.0226062601	-2.029651e-02	-0.0223942620	-0.0981522858
## 9	7.819909e-03	-0.0505154498	7.069321e-03	-0.0319863476	0.0753845498
## 10	5.991303e-02	0.0095245394	1.251360e-03	-0.0574360024	0.1210243578
## 11	3.301612e-02	0.0017019940	6.517928e-03	-0.1302955635	0.0282405200
## 12	9.008546e-02	-0.0162347302	3.489747e-02	0.0433952966	-0.0131427385
## 13	1.206261e-01	0.0019333582	-7.632130e-02	-0.0223958899	-0.0169415859
## 14	1.492408e-02	0.0348720729	1.598440e-02	-0.0210107524	0.0265710174
## 15	-7.096020e-03	0.0394087276	-1.045111e-02	0.0798794442	0.0527654706
## 16	2.873936e-03	-0.0261316878	5.427736e-02	0.0513696635	0.0188033076
## 17	-1.664014e-02	0.0011788148	3.881723e-02	0.0608762064	0.0171734700
## 18	5.854880e-02	0.0609626180	6.522860e-02	-0.0052485190	0.0203667527
## 19	4.972834e-02	0.0292073092	-1.003640e-01	-0.0252141976	-0.0419295772
## 20	-7.795403e-02	0.0271345915	4.903469e-02	0.0407691418	0.0335907220
## 21	-4.845456e-02	-0.1162532771	1.094364e-03	-0.0350617599	-0.0421231976
## 22	-3.439957e-02	0.0195896051	-2.559118e-02	0.0103871362	-0.0112471503
## 23	1.636316e-02	0.0531396874	3.487599e-02	-0.0584544051	-0.0369155862
## 24	-3.266032e-02	0.0372969293	2.823719e-02	0.0562022060	-0.0226765662
## 25	3.045467e-02	0.0200346427	1.111701e-02	0.0050835755	0.0701484803
## 26	-8.967132e-03	0.0146259334	1.769594e-02	0.0314971774	-0.0006774977
## 27	5.871264e-02	0.0298644173	3.147898e-02	-0.0422810053	-0.0856537707
## 28	-2.264514e-02	-0.0096304457	3.118782e-02	-0.0426690649	-0.0203698700
## 29	4.698280e-02	-0.0121814660	-2.359667e-02	-0.0094289473	0.0379554501
## 30	-1.441019e-02	0.0111134729	1.101570e-01	-0.0093987224	0.0390355677
## 31	-3.668844e-02	0.0251245007	-1.345838e-02	-0.0776718486	-0.0530982328
## 32	4.406303e-02	0.0544202167	-4.566013e-02	0.0425254965	0.0843627375
## 33	2.980413e-02	-0.0994755158	-7.909754e-02	0.0023073181	-0.0252702933
## 34	-5.871745e-02	0.0448298535	2.094959e-02	0.0191723760	0.0196080373
## 35	-4.584921e-02	-0.0004056127	-9.413404e-02	0.0071120557	0.0266682751
## 36	3.918930e-02	-0.0715710951	-2.672359e-02	-0.1120795450	0.0357342243
## 37	-5.694131e-02	0.0137379909	-1.022714e-01	-0.0455798175	0.0410205176
## 38	-6.822658e-02	0.0706893093	-1.587517e-02	0.0311879152	-0.0464354695
## 39	1.551465e-02	-0.0233735096	-2.922051e-02	0.0076620384	0.0009571458
## 40	7.126190e-03	0.0436158798	-6.297520e-02	0.0024356979	-0.0526106662

## 41	3.397753e-02	0.0238601735	5.740521e-02	0.0453690078	0.0488851783
## 42	1.971736e-02	0.0643614871	-1.268265e-02	0.0614202742	0.0968549046
## 43	2.103207e-02	0.0318751047	-1.933236e-02	0.0235578122	0.0126137728
## 44	-7.199871e-02	0.0238344710	-7.760195e-02	0.0056553529	0.0108378673
## 45	-6.136346e-02	-0.0524458788	-5.608100e-02	0.0167963114	0.1010439039
## 46	4.648198e-03	0.0223419326	2.842093e-02	-0.0443898464	0.0578093513
## 47	9.240956e-02	-0.0087045853	3.735395e-02	0.0824151061	-0.0322005917
## 48	5.895653e-03	-0.0563501830	2.650173e-02	0.0338710058	0.0645651968
## 49	3.276467e-02	-0.0072246816	-5.747402e-02	-0.0047081504	0.0591289296
## 50	2.978599e-02	0.0053508893	3.465222e-02	0.0382746682	-0.0658051040
## 51	-6.530599e-03	0.0221774651	-6.693791e-02	-0.0098022786	0.0308437397
## 52	3.810912e-02	0.0409134007	8.451443e-03	-0.0843718964	0.0142179933
## 53	-2.970901e-02	0.0573738587	-1.040897e-01	0.0313615003	0.0238059688
## 54	4.538159e-03	-0.0009361083	2.344175e-02	-0.0118641126	0.0382164958
## 55	-1.451980e-02	-0.0407354304	6.012628e-02	-0.0534173147	-0.0782566761
## 56	2.243914e-02	0.0184448130	1.884804e-02	0.0203992463	-0.0124016503
## 57	-2.902871e-02	-0.0330046535	-2.263966e-02	-0.0199165941	0.0013285931
## 58	2.017595e-02	-0.0193489206	-5.768536e-02	-0.0204661088	-0.0176288618
## 59	-7.635845e-03	0.0246161031	-2.673105e-02	-0.0256659600	-0.0533979420
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## 63	-2.243871e-02	-0.0701653263	-3.675941e-02	0.0983755130	-0.0801609885
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## 66	-5.155776e-02	-0.1083170299	-4.371434e-02	0.0978424722	-0.0334341869
## 67	-6.717666e-02	0.0622537956	-7.881835e-03	0.0132802975	-0.0041751046
## 68	-3.194102e-02	-0.0097038811	2.544442e-02	-0.0317875520	0.0023494981
## 69	-8.065695e-02	-0.0086562732	-3.027632e-02	0.0061825265	0.0279268813
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## 5	-0.049208505	0.0006564824	-0.0552880226	-0.0445619432	0.0295003063
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## 11	-0.034681062	0.0454572482	-0.0275820666	0.0047671391	0.0456417838
## 12	0.016168836	0.0458178173	-0.0493704873	0.0132705693	0.0579397240
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## 18	0.017043382	-0.0490839625	0.0265921013	-0.0461931611	0.0069801960
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## 20	0.009264287	0.0262526211	0.0344397834	0.0408865580	0.0079194080
## 21	0.009094259	-0.0038596545	-0.0552137166	0.0354872050	-0.0523146611
## 22	-0.027115925	-0.1087501849	0.0623716221	0.1149013815	-0.0838577741
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## 24	-0.005236017	0.0543108222	-0.0523013674	-0.0059397807	-0.0167232496
## 25	-0.034409583	0.0430112577	0.0326193887	-0.0251687177	0.0169247457
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## 27	-0.007524384	-0.0539195667	-0.0544370053	0.0700102035	0.0113056176
## 28	-0.041967800	0.0142216822	0.0302564311	0.0290182520	-0.0050870006
## 29	-0.046077604	-0.0085104590	0.0795691227	0.0469581598	-0.0151188963
## 30	0.046207741	0.0775182403	0.0200300602	-0.0171333980	0.0873678199
## 31	0.046286045	-0.0059687877	0.0191516885	-0.0283921153	0.0207928670
## 32	-0.041229749	0.0680616510	0.0305378691	0.0115088450	0.0644397442
## 33	0.038919184	0.0013768904	-0.0954972911	0.0713502267	-0.0401223874
## 34	0.012485292	-0.0280462137	-0.0580051782	-0.0278913506	-0.0017360189
## 35	0.047560742	-0.0208934623	0.0733073930	-0.0418725320	0.0258942926
## 36	-0.027525460	0.0040502838	-0.0171075979	0.0710616295	-0.0263957858
## 37	0.001316513	0.0109589984	0.0117750516	-0.0380009299	-0.0504923994
## 38	0.003820392	0.0398365255	-0.0383083541	0.0193887530	-0.0398344473
## 39	-0.028725140	-0.0129569349	-0.0078550754	0.0048001315	0.0269120377
## 40	-0.106681762	-0.0258322307	0.0010493268	-0.0224413090	-0.0048349898
## 41	-0.074793517	0.0705807739	0.0421066407	-0.0147585885	-0.0306901085
## 42	-0.004780406	-0.0869555372	-0.0257098742	-0.0494253862	-0.0751886300
## 43	-0.044394029	-0.0037919061	0.0777039966	-0.0226230348	0.0035387104
## 44	0.005541496	-0.0202207232	-0.0082456696	0.0485184228	0.0448147607
## 45	0.075469973	0.0103090808	-0.0371756726	-0.0426902510	-0.0558590781
## 46	0.016856504	-0.0616226093	-0.0655024943	-0.0317900934	-0.0133964888
## 47	0.013628392	0.0218163133	-0.0622767541	-0.0600081468	0.1124623433
## 48	-0.056515252	0.0150473019	0.0165576425	0.1238104931	0.1135684931
## 49	-0.017400977	0.0036719477	-0.0033961511	0.0079431946	0.0444011703
## 50	0.010702151	-0.0287384702	-0.0840592766	-0.0164881685	0.0008685597
## 51	-0.062057380	0.0016201534	-0.0349798419	0.0771668089	-0.0076698194
## 52	0.011472382	0.0127073948	0.0365892962	0.0279894080	0.0300550541
## 53	-0.005309674	-0.0209611003	-0.0654812095	-0.0017923622	0.0664413306
## 54	0.030683048	-0.0122155744	-0.0250713226	0.0810743861	-0.0521357820
## 55	0.030663749	0.0454695156	0.0081280883	0.0404741633	-0.0019234349
## 56	0.014660130	0.0604440586	0.0055287554	-0.1012973043	-0.0130287473

## 57	0.005410145	-0.0078794647	0.0002589532	-0.0009068567	0.0060835857
## 58	-0.055673977	0.0108477630	0.0022816933	-0.0371978129	0.0235802977
## 59	0.043319384	0.0236531627	0.0328596321	-0.0024831415	0.0553123390
## 60	0.064557783	0.0659977592	-0.0249353152	-0.0147341292	-0.0525943803
## 61	0.073471322	0.0615723014	0.0320940184	-0.0022491073	-0.0843768012
## 62	0.021440011	0.0088100724	-0.0554952439	-0.0180592685	0.0451544975
## 63	0.029084795	0.1212784997	-0.0106974884	-0.0102384265	-0.0072517444
## 64	-0.054030028	-0.0419363008	0.0281559569	-0.0216792666	-0.0015865559
## 65	-0.011869629	0.0649065999	-0.0474293889	0.0085604672	0.0555118297
## 66	0.091237758	-0.0918174595	0.0449068096	-0.0033605258	-0.0569693498
## 67	0.045198874	-0.0065846356	-0.0189354953	0.0079082113	0.0189362237
## 68	0.029444551	0.0077638400	0.0367630930	0.0810984904	-0.0425635038
## 69	0.041390798	-0.0561369102	-0.0509357115	-0.0178604721	-0.0371217933
## 70	0.005108565	-0.0786589086	-0.0833394271	-0.0380319603	0.0548084055
## 71	0.081386684	0.0094765556	-0.0133992353	0.0021251861	0.0906777269
## 72	0.046073690	0.0677684709	0.0682522121	-0.0649905068	0.0546320341
## 73	-0.049605239	0.0743902915	0.0881438588	0.0224017760	-0.0317265871
## 74	0.017482216	0.0224342762	0.0274910031	0.0178217461	-0.0389972895
## 75	0.031339507	0.0248432972	-0.0781268877	0.0047011940	0.0455716832
## 76	0.014512671	-0.0013895270	0.0223518641	-0.0454817303	0.0322024794
## 77	-0.055639061	-0.0267304793	0.0594967166	0.0440111643	0.0010121849
## 78	0.065085819	-0.0633542095	0.0682815991	-0.0248460479	0.0215166688
## 79	0.014365814	-0.0951903682	0.0424505908	0.0301731428	-0.0824296922
## 80	0.046401499	-0.0751664266	0.0514266194	-0.0270927923	0.0118965736
## 81	0.078331351	0.0120273120	-0.0347560430	0.0496693646	0.0212916828
## 82	0.085795996	0.0387805078	-0.0557374840	0.0160661113	0.0443466404
## 83	0.029543876	0.0091475966	0.0347297367	-0.0123611773	-0.0579289394
## 84	-0.020341101	-0.0175842488	-0.0513479070	0.0090020079	-0.0296548980
## 85	0.010410718	-0.0446139906	0.0251085367	-0.0393729212	0.0162634298
## 86	-0.004106340	-0.0477287193	0.0050922940	0.0089456019	0.0325462476
## 87	-0.045460164	0.0268300617	-0.0466287302	0.0312424383	-0.0426394573
## 88	0.033970497	-0.0943644670	-0.0416122668	-0.0279291379	-0.0385209662
## 89	-0.005751448	-0.0273196727	0.0682915447	0.0089528695	0.0398966697
## 90	0.005688445	-0.0045135721	-0.0096094806	-0.0136925179	-0.0500938645
## 91	-0.052326561	-0.0134306302	0.0157668408	-0.0015726343	0.0578591892
## 92	0.039446599	0.0273464145	0.0047221491	0.0008527818	0.0223465313
## 93	0.028567698	-0.0499805583	-0.0003250997	0.0256962327	0.0317677387
## 94	-0.016474620	-0.0072042856	-0.0315502358	0.0684612801	-0.0086273055
## 95	0.057389657	0.0171685924	0.0084927862	0.0456670967	0.0692363907
## 96	-0.060136855	-0.0911578774	0.0513834206	0.0602210122	0.0435957949
## 97	-0.038814761	-0.0280396388	-0.0156282491	-0.0075248413	-0.0225080101
## 98	-0.011273801	0.1025720021	0.0020792570	0.0173538962	0.1192011020
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## 100	-0.008089867	0.0299265291	0.0742703263	0.0041814035	-0.0355390668
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## 108	-0.011285525	-0.0374606158	0.0140550113	-0.0097404558	-0.0777956110
## 109	0.079651931	0.0318997220	-0.0054694874	0.0239172335	0.0425328524
## 110	0.062600072	0.1198460026	-0.0443843115	0.0047338596	0.0489228297

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## 111 -0.013147330 0.0168977477 -0.0134003371 0.0180338309 0.0146907826
## 112 -0.020692689 0.0090509982 -0.0065646615 -0.0615542350 0.0571123699
## 113 -0.076210479 0.0195391780 0.0067621297 0.0236291923 -0.0634864221
## 114 0.060317960 0.0377493430 0.0677516494 -0.0023891963 -0.0322425461
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## 116 0.068503398 0.0673335633 -0.0523789599 -0.0664086557 -0.0202832938
## 117 -0.071000758 -0.0510841973 0.0490214405 -0.0800151756 0.0322833092
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## 119 -0.005334193 -0.0118167589 -0.0350403647 0.0836669042 -0.0590732829
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## 121 0.015685617 -0.0384737645 -0.0258461622 0.0275326508 -0.0310068128
## 122 0.018494363 0.0402159063 0.0862913044 -0.0333915610 0.0219264183
## 123 -0.044651212 -0.0582265113 -0.0260314896 -0.0217386939 -0.0390195654
## 124 0.015988802 -0.0353252697 -0.0027397450 0.0011127024 0.0274340399
## 125 -0.026595560 0.0281183034 0.0441999497 -0.0194070188 0.0365243625
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## 131 -0.021814976 0.0635676033 0.0767447974 -0.0645452590 0.0012013961
## 132 -0.049279849 0.0356896033 -0.0816344517 -0.0016293940 0.1056039835
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## 137 -0.034202358 -0.0505565454 0.0221602843 0.0094195577 0.1226727815
## 138 -0.008984340 -0.0571764438 0.0307734771 0.0062846944 -0.0531952677
## 139 0.036366005 0.0481580801 -0.0170841787 0.0414414349 0.0076894123
## 140 -0.013150532 -0.0994542754 0.0254171853 0.0739203810 -0.0070078887
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## 165	0.045263273	0.0489802949	0.0425911227	-0.0037590138	0.1336426459
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## 175	0.059704019	-0.0327482125	-0.0004126560	0.0474119668	0.0460806743
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## 177	-0.027319758	-0.0265470181	-0.0407409083	-0.0386359681	0.0300274754
## 178	-0.016996631	-0.0461288654	0.0331233861	-0.0537892246	0.0570822742
## 179	-0.002536858	-0.0066756030	-0.0475879109	-0.1591727704	-0.0188260502
## 180	-0.051854322	0.0285720233	-0.0020092040	-0.0701739696	0.0400202015
## 181	0.028830080	-0.0596589381	-0.0146962841	-0.0247705803	-0.0618211534
## 182	-0.049087823	-0.0267084946	-0.0494293596	0.0915529865	-0.0099798015
## 183	-0.016285923	0.0296426821	-0.0266266283	0.0482362103	-0.0239965528
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## 185	-0.007961733	-0.0632655725	-0.0004724368	-0.0392346148	0.0392855212
## 186	-0.039994072	-0.0073896797	0.0337185132	-0.0341603587	-0.0177089171
## 187	0.088292123	-0.0426656352	0.0145122992	0.0233924403	-0.0000308191
## 188	-0.058579310	-0.0986239380	-0.0785873565	-0.0171580902	0.0554615755
## 189	-0.017440284	-0.0492018464	0.0563738802	0.0402810396	-0.0203550896
## 190	0.017059397	-0.0287520114	-0.0693878851	0.0618064455	0.0702580896
## 191	-0.061780291	0.0537060423	-0.0201837721	-0.0263575017	-0.0950340490
## 192	0.001137025	-0.0017398334	-0.0049742613	0.0980161547	-0.0580225629
## 193	-0.086353005	-0.0381829053	0.0033254022	0.0489668749	-0.0205197091
## 194	-0.015277799	0.1170493047	0.0014755207	-0.0799636392	-0.0599914299
## 195	0.061873349	-0.0337067589	-0.0553692031	0.0055876004	-0.0606254436
## 196	-0.062976160	0.0167553712	0.0542370651	-0.0600059700	0.0541811988
## 197	0.013889342	-0.0256809517	0.0318536082	0.0187394953	-0.0366983762
## 198	-0.003720839	-0.0490605840	-0.0360773901	0.0299884847	-0.0575669216
## 199	-0.007490894	-0.0147853592	-0.0338264213	0.0455185962	0.0153689662
##	V361	V362	V363	V364	V365
## 1	0.0283169197	-0.0194649913	0.0146351897	0.0565457227	-0.0209265500
## 2	-0.1167415187	-0.0123720953	-0.0231465478	-0.0363875836	0.0108993003
## 3	-0.0191261175	0.0015906765	0.0279238441	0.0036987332	0.0497955141
## 4	0.0209616792	-0.1073902882	-0.0387443993	-0.0173914671	0.0091983163
## 5	0.0041448892	0.1090601526	-0.0588076487	-0.0157313460	-0.0493320460
## 6	0.0032931297	0.0125372684	0.0031122641	0.1035129793	0.0232915122
## 7	0.0222410834	0.0198925110	0.0683528548	0.0505994347	0.0520372669
## 8	0.0583257118	0.0235542906	-0.0087537986	0.0073597795	-0.0217117251
## 9	0.0536390617	-0.0426473475	0.0085994317	-0.0163832763	0.0125478738
## 10	-0.0397554276	0.0626887979	-0.0161794115	0.0323608003	-0.0242402481
## 11	0.0526495000	-0.0250012592	0.0348825836	0.0538401685	-0.0134878906
## 12	-0.0810053586	0.0598532434	0.0389399175	0.0344568814	-0.0235202561
## 13	0.0268154566	-0.0292518399	-0.0165084282	-0.1013812185	0.0093978711
## 14	-0.0186707915	0.0187145341	0.1037158484	-0.0314222353	0.0020136173
## 15	0.0263316414	-0.0113781471	-0.0318154311	-0.0816185218	0.0326818788
## 16	-0.0614003633	-0.0529784256	0.0043634013	-0.0388569553	-0.0549941592
## 17	0.0963908226	0.0693215697	0.0336132794	-0.0095146455	0.0054518848
## 18	-0.0505540475	-0.0323706578	-0.0128078658	-0.0697258875	0.0771783765

## 19	-0.0160987897	0.0130845502	-0.0954409476	-0.0122951054	-0.0908416800
## 20	0.0261632487	0.0269376162	-0.0364961630	-0.0420650882	0.0320512480
## 21	-0.0096546281	0.0073620479	0.0413437566	0.0502203171	-0.0664736338
## 22	-0.0005416986	-0.0082747128	-0.0902419175	0.0495270495	0.0424915692
## 23	-0.0029880019	0.0511741899	-0.0462153834	-0.0741319754	0.0013962214
## 24	-0.0004099844	-0.0342437277	-0.0832423854	0.0111235399	-0.0976831238
## 25	-0.0388896803	0.0370386240	-0.0067939575	0.1107773000	-0.0548662404
## 26	-0.0458295311	-0.0293178699	-0.0324623805	0.0353861085	0.1024845940
## 27	-0.0022173504	0.0341859993	-0.0174950688	-0.0514412766	-0.0371377558
## 28	0.0264293554	0.0196900749	-0.0255921749	-0.0376422766	0.0335975953
## 29	0.0316863129	0.0458401144	-0.0422325132	0.0092893478	-0.0118015359
## 30	-0.0463953936	0.0768629282	-0.0125253788	0.0626313931	0.0592626391
## 31	-0.0386086520	0.0148151499	-0.0740595634	0.0135051247	-0.0045811142
## 32	0.0976830344	-0.0583117645	-0.0516012159	-0.0380756850	-0.0216878602
## 33	-0.0103618810	0.0509993696	-0.0319507837	0.0209584706	0.0224380490
## 34	-0.0215407466	-0.0405387743	-0.0197778386	0.0088007320	0.0077954574
## 35	0.0235086159	-0.0257404955	-0.0109869283	-0.0592248752	0.0164480648
## 36	0.0115425991	0.0231419009	0.0147678577	-0.0401397725	-0.0592433594
## 37	0.0242470138	-0.0719067744	0.0412367128	-0.0827433434	0.0002895669
## 38	-0.0268423126	-0.0755940041	-0.0088137919	-0.0294755460	0.0062408750
## 39	0.0229578108	0.0135600755	-0.0205710713	-0.0605850019	-0.0084892534
## 40	-0.0496249504	-0.0451731436	-0.0111592021	0.0143347753	-0.0024590967
## 41	0.0002249224	0.0617658335	0.0118705744	0.0407125793	-0.0362189111
## 42	0.0027526397	0.0394195349	0.0516294606	-0.0392119297	-0.0003698449
## 43	-0.0384005713	-0.0372780345	-0.0516943645	-0.0006968895	-0.0268192919
## 44	-0.0480472151	0.0132118334	-0.0588990416	-0.0702685113	0.0226058052
## 45	-0.0447281387	-0.1010947207	-0.0213808507	-0.0239271427	-0.0032040442
## 46	0.0272343418	0.1209002556	0.0533937931	0.0031905620	-0.0241794677
## 47	0.0538668998	0.0048378065	-0.0125687664	-0.0698938631	0.0040889804
## 48	0.0324674961	0.0476765676	0.0800942247	0.0013414246	-0.0396540636
## 49	0.0376545710	-0.0628710997	-0.0265750399	0.0449352442	-0.0032305829
## 50	0.0691822386	-0.0163550164	0.0038437673	-0.0442972851	0.0381068040
## 51	-0.0083524573	0.0074987082	-0.0137285590	-0.0860111463	0.0673309808
## 52	-0.0394866781	-0.0014208088	0.0282244071	-0.0063344570	0.0643089654
## 53	-0.0039165974	0.0422079650	-0.0461270435	0.0033791811	-0.0225694051
## 54	0.0343905144	-0.0499352577	-0.0455085977	-0.0756304411	0.0019343904
## 55	-0.0163210667	-0.0622499444	0.0499319239	-0.0399531612	0.0436020046
## 56	0.1080989497	0.0183612211	0.0066569315	0.0098448659	0.0092893014
## 57	0.0333862500	0.0032696696	-0.0386334598	0.0075490402	0.0691466795
## 58	0.0226168845	0.0237533301	-0.0328355351	-0.0425020261	-0.0320269275
## 59	0.0798391862	-0.0001887928	0.0021107912	0.0033964583	0.0509533417
## 60	-0.0453762251	-0.1211356730	-0.0481484302	0.0305672694	-0.0561214004
## 61	0.0033837364	-0.0055111504	0.0586018002	-0.0536484279	-0.0046777329
## 62	-0.0014788918	0.0879497769	0.0094321981	-0.1177974148	0.1016415998
## 63	-0.0590002856	-0.0261897127	-0.0352335359	-0.0335118716	-0.0412157178
## 64	-0.0693331879	0.0073638264	-0.0003052436	0.0162618352	0.0779156561
## 65	0.0385964830	0.0313329665	-0.0322940110	-0.0881783132	-0.0394351775
## 66	-0.0201889309	0.0335101013	0.0442932528	0.0731244229	0.1191763870
## 67	0.0610527013	-0.0430864609	-0.0085500138	-0.0543280312	-0.0417099458
## 68	0.1430979811	0.0166626534	-0.0411824608	0.0506872096	0.0068309660
## 69	-0.0428445235	0.0056459492	0.0525315659	0.0339854542	0.0486874692
## 70	0.0307400362	-0.0368602919	-0.0233387539	-0.0490305458	-0.0367754992
## 71	0.0101558331	-0.0318689077	-0.0189802425	-0.0039734963	0.0706490098
## 72	0.0975099911	0.0189930920	0.0558961061	-0.0310227042	-0.0211723321

## 73	-0.0391557233	0.0582572202	-0.0083992612	-0.0069621823	-0.0184341898
## 74	-0.0212081661	-0.0275267241	0.0805975106	0.0952851564	-0.0197138580
## 75	-0.0132429852	0.0214157742	-0.0194480188	-0.1398687367	-0.0143874448
## 76	-0.0643522185	0.0445854990	-0.0101891610	0.0023372802	0.0033317097
## 77	0.0461521756	0.0465818058	0.0017066165	0.0670764084	0.0481435082
## 78	-0.0873707623	-0.0257582301	-0.0326286961	-0.0317542496	-0.0135708889
## 79	-0.0276923859	-0.0952967369	0.0576896594	-0.0340303557	-0.0095914962
## 80	0.0418145737	0.0275177778	-0.0535331487	-0.0309788381	-0.0689817704
## 81	-0.0376021284	-0.0965310914	-0.0167219671	-0.1012785603	0.0111929811
## 82	-0.0653751402	-0.0314878230	-0.0286416986	0.0072762117	0.0483931662
## 83	-0.0217728399	-0.0270601623	0.0353073014	0.0055407848	0.0071724801
## 84	-0.0225600090	-0.0377484957	-0.0148738030	-0.0846967559	-0.0483401588
## 85	-0.0041788341	-0.0115974164	0.0086779482	0.0151354717	0.0035272129
## 86	-0.0109807563	-0.1332606747	-0.0625544517	-0.0097831044	-0.0416072533
## 87	-0.0199050631	-0.0348172331	-0.0105525039	-0.0094529554	-0.0461211654
## 88	0.0009392797	-0.0518525190	0.0908561538	-0.0048180466	0.0445119982
## 89	0.0234587573	0.0557943036	0.0737856352	-0.0519577691	0.0568173303
## 90	0.0099134316	-0.0045744857	-0.0388340209	-0.0249849904	-0.0533216990
## 91	0.0386072831	0.0224460827	-0.0355130285	0.0714930614	-0.0126156564
## 92	0.0078587725	-0.0546246752	-0.0161789734	-0.0688566506	0.0244671660
## 93	0.0138450183	-0.1190717417	-0.0224256802	-0.0186108022	-0.0967367790
## 94	-0.0356501950	0.0531497512	0.0326608666	-0.0280519046	0.0075182543
## 95	0.0145331098	-0.0092455470	-0.0733757466	0.0475937835	-0.0001670755
## 96	0.0006139100	0.0154568713	0.0566000914	-0.0626483444	-0.0109228115
## 97	0.0050080485	-0.0493847448	-0.0291185681	0.0137153775	-0.0745866347
## 98	0.0355964806	0.0092270008	-0.0348885965	0.0270691996	0.0890692373
## 99	-0.0180022715	-0.0139747092	-0.0304360377	-0.0079329934	0.0167619179
## 100	0.0916143824	0.0173300925	-0.0148080299	0.0490600966	-0.0183231789
## 101	0.0542000411	0.0181425392	0.0164864825	-0.0287220802	0.0150015744
## 102	0.0321877080	-0.0075672233	0.0277003606	0.0261938717	0.0021687670
## 103	0.0537357086	-0.0123630354	-0.0305302477	-0.0068749027	0.0068817097
## 104	0.0410153300	-0.0392919609	0.0326402220	-0.0223195536	-0.0376246823
## 105	0.0068605945	-0.0672817101	-0.0464432327	-0.0039548914	-0.0109844555
## 106	-0.0106431688	-0.0537975028	0.0102340703	0.0096403544	-0.0621012200
## 107	0.0623907382	0.0155675217	-0.0107279555	0.0208915969	-0.0356285440
## 108	-0.0141295066	-0.0570781726	-0.0022663121	0.0528386697	0.0116576459
## 109	0.1185687055	-0.0237827916	0.0065775702	0.0005725354	-0.0812149083
## 110	0.0301981563	0.0462270981	0.0159954375	-0.0060045940	0.0425422313
## 111	0.1147646231	-0.0440946785	0.0472934449	-0.0211000821	0.0260008431
## 112	-0.0032928551	-0.0781115153	-0.0531908042	0.0208166120	0.0238172700
## 113	-0.0022727677	-0.0031249234	-0.0292329424	0.0906333771	0.0090088790
## 114	-0.0225037060	-0.0022196495	-0.0247465196	-0.0756506022	0.0355212950
## 115	0.0730908354	0.0076840672	0.0069534762	-0.0438479918	-0.0306780720
## 116	0.0158020264	0.0378394040	-0.0180296163	-0.0337308741	0.0866113270
## 117	0.0246650722	-0.0084481715	0.0133322251	-0.0533657227	-0.0279443763
## 118	-0.0222709238	0.0206594897	-0.1239652092	-0.0382889014	-0.0073387109
## 119	-0.0395435568	0.0655529439	-0.0059303211	0.0767623440	0.0089272052
## 120	-0.0744351183	0.0822012555	0.0113330776	0.0265604992	-0.0212384520
## 121	-0.0697912792	0.0242840661	0.0010271089	0.0220786089	0.0356181850
## 122	0.0992428004	0.0495380503	0.0125945526	-0.0646265913	0.0449544370
## 123	-0.0295177110	0.0003527532	0.0197825919	-0.0304520751	0.0153983008
## 124	0.0696677990	0.0470398534	-0.0058793308	0.0032865427	0.0036295496
## 125	-0.0654077154	0.0312511985	-0.0295451002	-0.0024254570	-0.0387246662
## 126	-0.0166461535	-0.0241140443	0.0428440911	-0.0178615828	0.0419472413

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## 127 0.0994849435 -0.0359119191 0.0135926382 -0.0120346635 0.0493912843
## 128 0.0054288755 0.0060012294 -0.0835055230 -0.0073997671 -0.0513593024
## 129 0.0648959972 -0.0159513976 -0.1296364171 0.0273921318 0.0364305148
## 130 -0.0190307934 0.0274825769 0.1004391525 0.0235010921 0.0422536674
## 131 0.0310846332 -0.0597009170 -0.0024244006 0.0182666002 -0.0620118455
## 132 0.0187699232 0.0173139507 -0.1101814775 0.0627992658 -0.0477711377
## 133 0.0554023034 0.0670251544 -0.0363295615 0.0775481435 -0.0472708189
## 134 -0.0256630614 -0.0261864375 0.0094246046 -0.0324409885 -0.0673232773
## 135 0.0070049315 0.0023384181 -0.0005058062 -0.0128295313 -0.0612977475
## 136 0.0078640941 0.0479662358 -0.0094123225 -0.0546977212 0.0591365782
## 137 0.0318321185 -0.0118797985 -0.0049028342 0.0824124390 -0.0898350921
## 138 0.0369692256 0.0124592890 0.0373083299 -0.0088833011 0.0366544449
## 139 0.0834338792 0.0318391624 -0.0103576845 -0.0194503128 0.0474554851
## 140 0.0489157019 0.0199675885 0.0856221953 -0.0192151697 0.0683159064
## 141 0.0593354728 -0.0748266517 0.0340181029 -0.0239019359 0.1278587053
## 142 0.0161495515 -0.0425286119 0.0159237204 0.0355216736 -0.0234841451
## 143 0.0526955461 0.0292844778 0.0126727021 0.0611002803 -0.0802249685
## 144 0.0263742569 -0.0254953777 -0.0121988128 0.0368872449 -0.0533384361
## 145 0.0041229648 -0.0224370988 -0.0470509766 0.0372944592 0.0057227836
## 146 -0.0138150897 0.0177320445 -0.0083527490 -0.0243379999 0.0379542727
## 147 0.0873726838 0.0219202967 -0.0391780598 0.0166766900 -0.0684882577
## 148 -0.0260120372 -0.0381872362 -0.1181141329 0.0283127514 -0.1110828480
## 149 -0.0424316402 0.0303248951 -0.0642442263 0.0445106622 -0.0354573217
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## 153 -0.0072189515 -0.0057382122 -0.0131847412 -0.0412782685 -0.0311093302
## 154 -0.0370851535 0.0053916046 0.0458377324 -0.0612227952 -0.1213079443
## 155 -0.0069242005 -0.0410014866 -0.0591098039 0.0272949715 0.0283636345
## 156 0.0419187067 -0.0180077661 -0.0297795146 -0.0202705416 -0.0253641028
## 157 0.0044305386 -0.0016256763 -0.0389153778 -0.0188475465 -0.0682706303
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## 159 -0.0374436080 -0.0018517420 -0.1435417875 0.0307464976 -0.0716983666
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## 161 -0.0174514900 -0.0011444636 0.0150675277 0.0151073733 -0.0035965525
## 162 0.0830844874 0.0831368198 0.1093162998 -0.0235614833 0.0638463853
## 163 0.0790878263 -0.0150392618 0.0487538501 -0.0784394915 0.0026086123
## 164 0.0126118912 -0.0474517035 0.0083669711 0.0531818210 0.1402149124
## 165 0.0571537673 0.0408812344 -0.0076983189 0.0453586928 -0.0093113223
## 166 0.0124695060 0.0642560777 0.0364634940 0.0894488344 -0.0208555718
## 167 -0.0293001280 -0.0015576493 -0.0609161698 -0.0238100739 0.0070050819
## 168 -0.0403186474 -0.0168828562 -0.0499600705 -0.0004520976 -0.0339005876
## 169 0.0307826836 -0.0120410199 -0.0033636630 -0.0070970313 -0.0596897865
## 170 0.0235592912 0.0248511645 -0.0933404795 0.0553819878 -0.0926047136
## 171 0.0071308393 -0.0346164027 0.0053885755 -0.0882806506 -0.1054230566
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## 173 0.0356222753 -0.0209617573 0.0204844340 0.0417950425 0.0245681419
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## 175 -0.0433833329 0.0118587377 -0.0950533472 -0.1110990977 -0.0612620855
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## 177 0.0116553351 -0.0483913904 0.0399206792 -0.0539914238 0.0841857322
## 178 0.0205369780 -0.0570617826 -0.0075076851 0.0015818507 0.0005681672
## 179 -0.0164470789 -0.0382155400 -0.0337746023 0.0695905852 0.0665314210
## 180 -0.0483964092 0.0269454745 -0.0761068507 0.0176074550 -0.0017010466

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## 181	0.0352444525	0.0185069684	0.0382938255	0.0164445866	0.0578536207
## 182	0.0184431539	-0.1275630484	-0.0755810909	-0.0449947209	-0.0501157307
## 183	-0.0518896304	-0.0340294603	-0.0264170786	-0.0022367509	-0.0670778241
## 184	-0.0146460925	0.0169949551	-0.0012781426	-0.0011720502	0.0260886220
## 185	0.0003509042	0.0460542194	0.0390331969	0.0272068450	0.0208404736
## 186	0.0593385131	0.0376057354	0.0256809003	-0.0483936924	-0.0082863507
## 187	-0.0103977045	-0.0483202658	-0.0236001663	0.0255383440	0.0540046469
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## 189	0.0122696679	-0.0459881622	0.0505719080	-0.0467916779	-0.0300920735
## 190	0.0174077772	0.0771495831	-0.0141945012	-0.0518821291	-0.0151478102
## 191	0.0104074953	0.0360757596	0.0143100495	0.0302390750	0.0306866260
## 192	0.1063450056	0.0525960109	-0.0340888733	0.0309865458	0.0126513491
## 193	0.0219906388	0.0006746678	0.1131288544	0.1058768011	-0.0232333699
## 194	0.0661987596	0.0774967068	-0.0425675078	0.0649549807	-0.0632000797
## 195	0.0203600124	-0.0011403054	0.0275171461	-0.0473521750	-0.0851072051
## 196	0.0691552952	-0.0165005429	0.0793937606	-0.0576515280	-0.0024776124
## 197	0.0318768103	0.0021657878	-0.0022969281	0.0771621852	-0.0499365300
## 198	0.0024495748	0.0733123670	0.0107050386	0.0543323210	0.0585705900
## 199	0.0276581305	-0.0372320366	0.0507785614	0.0162728944	-0.0049687002
##	V366	V367	V368	V369	V370
## 1	0.0459258454	0.0135996968	0.0365794198	-0.0269078134	-0.0130073493
## 2	0.0201400754	0.0176797712	-0.0544746166	0.0110059458	-0.0121391879
## 3	-0.0015661224	-0.0054098555	-0.0114969462	-0.0439954357	-0.0176296226
## 4	0.0817572927	-0.0249161585	0.0064498582	0.0331558844	-0.0639298501
## 5	-0.0005224784	-0.0128145997	-0.0154330314	-0.0026294648	0.0699218484
## 6	0.0391194054	0.0047076484	-0.0637435770	0.0262096697	0.0493041589
## 7	-0.0769983803	0.0066140759	0.0660316399	0.0018932926	0.0026619208
## 8	-0.0321105776	0.0137114493	-0.0279362441	-0.0170061479	0.0134263846
## 9	-0.1206776497	-0.0426932889	0.0351666438	0.0717926295	0.0412694840
## 10	-0.1076997786	-0.0262014804	-0.0017850451	0.0160424175	0.0076050656
## 11	-0.0275557444	-0.0182310899	0.0372777623	-0.0620603150	-0.0207973956
## 12	0.0662739951	-0.0179615196	-0.0071944001	-0.0004759075	0.0292733262
## 13	0.0340384724	-0.0505694664	0.0490720481	-0.0072631278	0.0135002810
## 14	-0.0507159307	0.0767566138	-0.0795629058	-0.0022690747	-0.0526530437
## 15	0.0556932937	-0.0292209868	-0.0586389597	-0.0328270580	0.0024135874
## 16	0.0405698355	-0.0023016421	-0.0002008842	0.0136094869	0.0287708098
## 17	-0.0541957640	-0.0680782823	-0.0070366218	0.0217563205	-0.0154586963
## 18	-0.0048664459	0.0089706280	0.0100401101	0.0265275473	-0.0457968595
## 19	-0.0387724200	-0.0271638064	-0.0176852762	-0.0042107431	0.0620423908
## 20	-0.0735297041	-0.0193870892	-0.0761968490	-0.0261841981	-0.0025874073
## 21	0.0066228373	-0.0023066980	-0.0042178123	0.0056051278	0.0251844591
## 22	-0.0013068148	0.0480455642	-0.0474937361	-0.0030478899	0.0437560944
## 23	0.0285179830	-0.1178120302	-0.0503140070	-0.0065123941	-0.0784722176
## 24	0.0109317162	-0.0717882562	-0.0402726386	0.0391318959	0.1112136597
## 25	0.0188262420	0.0087001504	-0.0322655243	-0.0295266578	0.0518782537
## 26	-0.0736372268	0.0587091349	-0.0474102850	-0.0029958875	0.0071341529
## 27	-0.0271484302	-0.0530322449	0.0320460651	-0.0121574978	0.0032476478
## 28	0.0362235435	0.1113407196	-0.0260195866	0.0652388869	0.0537830500
## 29	-0.0026150656	-0.0520598884	-0.0055434963	-0.0229141520	-0.0173521581
## 30	-0.0456932419	-0.0190807606	-0.0018818591	-0.0658261941	0.0249422574
## 31	-0.0246858182	0.0018895255	0.0903483142	-0.0280922739	0.0138117758
## 32	0.0149716478	-0.0150168948	0.0141504151	-0.0179437156	0.0321733370
## 33	-0.0245237735	-0.0529037837	-0.0287064129	-0.0109846044	-0.0014637761
## 34	0.0366518926	0.0759496545	0.0575441633	-0.0461224095	0.0878867283

## 35	0.0132056883	0.0155504416	0.0273310477	-0.0626735591	0.0334126062
## 36	-0.0396527357	0.0061707511	-0.0478256966	-0.0621158846	0.0873901105
## 37	0.0269548039	-0.0106576701	0.0098951185	0.0177827922	-0.0068045868
## 38	0.0658187919	-0.0759646680	-0.0493349049	-0.0061034801	-0.0300988026
## 39	-0.0192131389	-0.0416141310	0.0079503200	0.0682364998	-0.0282959876
## 40	0.0167867830	-0.0060691596	0.0100678181	-0.0303842372	-0.0205986835
## 41	0.1063191653	-0.0678574651	0.0223168994	-0.0498530874	0.0276184981
## 42	-0.0400426138	0.0166261757	-0.0213523260	-0.0346739249	-0.0354254417
## 43	0.0106689518	-0.0791359019	-0.0118938955	-0.0453891390	-0.0195111161
## 44	0.0002245015	-0.1499441217	0.0428415097	-0.0204770854	-0.0486272486
## 45	0.0135564314	0.0669261406	0.0111167559	0.0226358414	0.0697937387
## 46	-0.0029601260	-0.0816392237	-0.0694491659	-0.0386359840	0.0047917028
## 47	-0.0708476757	0.0597927630	-0.0136093333	-0.0008698451	0.0281307026
## 48	0.0434720470	0.0168938130	-0.0354428815	0.0313341827	-0.0066568744
## 49	0.0382001247	-0.0362832548	0.0301185397	0.0583194483	0.0149626554
## 50	-0.0196467082	-0.0390193373	0.0275502267	0.0774491848	0.0236878522
## 51	-0.0048679866	-0.0320118766	0.0356260882	0.0774930751	-0.0203456356
## 52	-0.0619095997	-0.0253854869	0.0093196859	-0.0078810586	0.0160719913
## 53	0.0117091353	0.0721396777	0.0512244668	-0.0019025112	-0.0250320437
## 54	0.0334019629	0.0290614409	0.0147886823	-0.0339797873	0.0443274890
## 55	0.0213451779	0.0294590136	-0.0534555788	-0.0393225033	-0.0251118874
## 56	0.0345212333	-0.0086066207	0.0651607361	-0.0062392848	-0.0665734487
## 57	-0.0411904133	-0.0021275194	0.0545677462	-0.0228263606	0.0325123999
## 58	0.0668034148	-0.0418243962	-0.0188607360	0.0796705587	-0.0018296465
## 59	-0.0758969305	-0.0528862531	0.0981726395	0.0652132417	0.0881791295
## 60	-0.0322784524	-0.0067656397	-0.0184718054	-0.0300609126	0.0403848289
## 61	-0.0025846289	0.0395231429	0.0654735446	0.0471053741	0.0220743379
## 62	-0.0137315681	0.0777503245	0.0106031227	0.0283632209	0.0396827496
## 63	0.0499725509	0.0800684721	-0.0366750880	-0.0054872606	-0.0358639054
## 64	-0.0545552529	0.0173913486	0.0510630699	-0.0480734663	-0.0066975140
## 65	0.0048070753	0.0137202011	-0.0248773540	-0.0095566836	0.0015442998
## 66	0.1006595779	0.0350789276	-0.0046042270	-0.0171064731	-0.0113632069
## 67	-0.0407515700	-0.0393660131	-0.0517690706	0.0026703166	0.0212789009
## 68	0.0036593146	-0.0213508166	0.0372269194	0.0181003625	-0.0032626353
## 69	-0.0418585170	0.0013402155	0.1004632891	-0.0343174720	-0.0311432116
## 70	-0.0656609920	-0.0164153708	-0.0693021549	0.0007587421	0.0871070440
## 71	0.0412255098	-0.0743418984	0.0146840833	0.0086818421	0.0740954372
## 72	0.0091430488	0.0087846025	0.0359124388	0.0203610699	0.0192611807
## 73	-0.0006139617	0.0717475538	-0.0554840748	-0.0468676125	0.0165680271
## 74	-0.0233264201	0.0200080106	-0.0202596768	0.0645040761	-0.0705906244
## 75	0.0250245454	0.0217393126	-0.0189000971	-0.0046871237	-0.0103257284
## 76	-0.0010004664	0.0472896256	-0.0114795285	-0.0523210917	0.0301607740
## 77	0.0090880661	-0.0242752051	0.0027584744	0.0065830429	-0.0560441170
## 78	-0.0323862120	0.0155614159	0.0094057851	0.0026047046	-0.0078438631
## 79	0.0260156263	-0.0004162724	0.0687263219	-0.0289517019	-0.0355208959
## 80	-0.0695521505	-0.0157690181	-0.0583662277	0.0344402103	-0.0664410306
## 81	0.0199304270	-0.0066854616	0.0681866375	0.0873207283	-0.0548347916
## 82	0.0275333649	0.0038969382	0.0028496753	0.0505470900	0.0430250654
## 83	-0.0298802301	-0.0368070653	0.0282051439	-0.0603561039	-0.0943260961
## 84	0.0388688352	0.0084106097	-0.0600301089	0.0224179420	0.0412874021
## 85	-0.0227133512	-0.0098605942	0.1062075107	-0.0092807195	-0.0277828031
## 86	-0.0735041066	-0.0453969163	-0.0240082510	0.0439458744	0.0551789100
## 87	0.0910294587	0.0269667684	0.0421695615	0.0846892440	0.0298546820
## 88	-0.0719151960	-0.0220039777	0.0535104060	-0.0100781576	0.0384582002

## 89	0.0671693604	-0.0451313699	-0.0310355914	-0.0126323049	0.0259403030
## 90	-0.0079278811	-0.0686926615	0.0679935756	-0.0209419588	-0.0698186719
## 91	-0.0414278754	0.0864733771	-0.0069234758	0.0426718011	-0.0519066629
## 92	0.0201272091	-0.0224510194	0.0238918332	-0.0005772608	0.0685125695
## 93	-0.0122767177	0.0293804595	-0.0759044020	0.0176659378	-0.0683320831
## 94	0.0598216109	0.0291534953	0.0666383508	-0.1477908360	0.0383150439
## 95	0.0176176352	-0.0233677251	-0.0171991293	0.0174939832	0.0660812889
## 96	-0.0738754674	0.0639004812	0.0576297345	-0.0427302626	0.0041494989
## 97	-0.0092731868	-0.0278940542	-0.0458465056	0.0647088163	0.0029033763
## 98	0.0040701090	-0.0070761313	0.0309899874	0.0687512069	-0.0214003103
## 99	-0.0039416126	0.0158202416	-0.0203307890	-0.0026108058	-0.0494797273
## 100	-0.0446851312	-0.0014799843	-0.0135085409	0.0126120947	-0.0328934705
## 101	0.0435215995	0.0258084745	0.0029231907	-0.0587524596	-0.0108540683
## 102	0.0101192299	-0.0193457082	0.0123555644	0.0524450746	0.1155691066
## 103	-0.0454683600	-0.0747994023	0.0285203797	0.0587348263	-0.0271185379
## 104	0.0116612665	0.0503770530	0.0594235362	0.0271255529	-0.0002162922
## 105	-0.0028747717	-0.0456423223	0.0199060255	-0.0353729658	0.0589142135
## 106	0.0775770750	0.0354549432	0.0424595755	-0.0480378053	0.0703456135
## 107	-0.0179585924	0.0573312103	-0.0338301075	-0.0211864573	-0.0481682467
## 108	0.0080527957	0.0184870819	-0.0321746328	-0.0037544265	-0.0532846418
## 109	0.0038192736	-0.0546247118	0.0440490016	0.0177574522	-0.0191083344
## 110	0.0645542271	0.0398207911	-0.0391637368	-0.0108057667	-0.0362924062
## 111	0.0290567620	0.0016785337	0.0101321632	0.0466557422	0.1074581618
## 112	-0.0543729134	-0.0070084448	0.0512389084	-0.0352785488	-0.0918606357
## 113	0.0014119696	0.0898424589	-0.0121269909	0.0649357170	-0.0313717495
## 114	0.0263465980	-0.0515272659	-0.0006553943	-0.0255454661	0.0661515102
## 115	0.0499927005	-0.0784324992	0.0382999758	-0.0212697511	0.0028315092
## 116	-0.0644330774	-0.0142374288	-0.0074267070	-0.0441890109	-0.0918871426
## 117	0.0092237395	0.0278486988	-0.0293459465	0.0656811237	0.0020063300
## 118	0.0279393903	-0.0714571016	-0.0018856124	-0.0293869961	0.0010848353
## 119	-0.0447468090	-0.0408313414	-0.0181139135	0.0006467110	0.0198731560
## 120	0.0944935788	0.0218653746	0.1164543317	-0.0077388814	-0.0788780056
## 121	0.0147192739	0.0219457731	-0.0360566070	0.0221369295	0.0954335028
## 122	-0.0108892194	0.0519424555	-0.0462239321	0.0889600759	0.0464943955
## 123	0.0273476015	-0.0324024828	0.0185154548	-0.0045762936	-0.0547411850
## 124	-0.0552922570	0.0535380163	0.0183927514	0.0212007448	0.0173957122
## 125	0.0342112390	0.0360841132	0.0282524420	0.0767486715	0.0196163674
## 126	0.0175799313	0.0291126523	-0.0045857238	-0.0263695502	-0.0079605910
## 127	0.0253108545	0.0396472434	-0.0242052159	0.0242127221	0.1052562433
## 128	0.0534810177	0.0185843978	0.0550232632	0.0089264331	0.0926900344
## 129	-0.0447063036	-0.0425039069	0.0032181647	-0.0182349094	-0.0600521785
## 130	-0.0373365017	0.0276217420	0.0275550247	-0.0013470234	-0.0085061861
## 131	0.0379579917	0.0114919022	0.0447394533	0.0005080688	-0.0545635460
## 132	0.0469135365	0.0077420177	-0.1227951431	0.0125927678	-0.0095725337
## 133	0.0266088096	0.0738202474	0.0492395047	0.0073020989	0.0720301774
## 134	0.0260735211	-0.0212259413	0.0283106134	-0.0506208900	0.0057458903
## 135	-0.0007719295	-0.0095325483	-0.0286570222	0.0196002187	0.0154474771
## 136	0.0851929205	0.0785886649	0.0292466632	-0.0244489615	0.0075922531
## 137	-0.0571206732	-0.0911731088	0.0071263832	-0.0602337957	0.0021120010
## 138	-0.0766953724	0.0272148090	0.0487312029	-0.0415610158	0.0749067130
## 139	-0.0288179898	-0.0233957109	0.0266405061	-0.0234053067	-0.0392224723
## 140	-0.0336597147	-0.0088154916	0.0606766360	-0.0076332485	-0.0935854170
## 141	0.0337959037	0.0139110176	-0.0487492051	-0.0279157412	0.0559843773
## 142	0.0339048681	-0.0095722540	-0.0008220597	-0.0002647838	-0.0478844246

## 143	0.1336435423	0.0144825832	0.1276237476	0.0629569945	-0.0710397945
## 144	0.1013955752	0.0363151309	0.0385249620	-0.0034753639	0.0185870263
## 145	0.0549519926	0.0063789843	0.0138484095	-0.0110985093	0.0478740223
## 146	0.0124848573	0.0086269378	0.0586757877	0.0173572674	-0.0772833284
## 147	-0.0044741587	-0.0129809698	-0.0018760224	-0.0225842133	-0.0534436118
## 148	-0.0102906838	0.0016036817	0.0005517957	0.0332879501	0.0533066117
## 149	-0.1031450862	-0.0578161699	0.0311589783	0.0322445884	0.0371896850
## 150	-0.0045863939	-0.0481827556	-0.0181684263	0.0078131376	-0.0454711359
## 151	-0.0308487098	0.0091391987	0.1099335947	0.0039659551	-0.0416931579
## 152	-0.0542371530	-0.0315130488	-0.0156617426	0.0213439544	-0.0697436168
## 153	0.0622938563	-0.0411370997	0.0340014792	0.0822851739	0.0023982427
## 154	0.0157751793	-0.0256219410	-0.0576131630	0.0130126791	0.0242460082
## 155	-0.0189438131	0.0260315803	0.0324617913	-0.0792566204	0.0296084099
## 156	-0.0163237033	-0.0014557513	0.0358290953	0.0016829298	0.0691468967
## 157	0.0215594947	0.0453933366	-0.0140996152	-0.0286452566	-0.0348753350
## 158	-0.0224227909	-0.0359494403	0.0128645893	0.0613825967	0.0135571280
## 159	0.0401696530	-0.0236878583	-0.0725288899	-0.0632298020	-0.0648564474
## 160	0.0629673271	-0.0112301342	-0.0044752280	0.0702698328	-0.1055498769
## 161	-0.0116952029	0.0107582132	-0.0594714634	-0.0641719720	-0.0329659246
## 162	0.0393098155	-0.0338572023	-0.0315907224	-0.0749081493	0.0075258664
## 163	0.0301526422	0.0556365564	0.0813826616	-0.0151783213	-0.0271943091
## 164	0.0037647587	0.0152028258	-0.0657297134	0.0116149842	-0.0398008738
## 165	0.0616351969	0.0185430962	-0.0030483430	-0.0557883901	0.0084428078
## 166	-0.0327558292	0.0002741501	0.0473931470	-0.0345740581	0.0580523208
## 167	0.0170548611	0.0019082716	-0.0009281865	0.0514022535	0.0426319438
## 168	-0.0191304002	0.0596591465	0.0602228658	-0.0686974985	-0.0485526620
## 169	0.0240691724	-0.0096153885	-0.0171025811	0.0340004707	-0.0711832644
## 170	-0.0131105310	0.0078342744	-0.0127301020	0.0202485364	0.0112314343
## 171	0.0172581565	-0.0048195591	-0.0524224463	-0.0560428255	0.0165908560
## 172	0.1027593017	0.1207102607	0.0344485030	-0.0014216129	-0.0130208877
## 173	-0.0565610463	-0.0031786057	0.0346278581	-0.0009851701	-0.1267475973
## 174	0.0045055736	0.0307042292	-0.0398253700	0.0484551720	0.0056258351
## 175	-0.0302653260	0.0058274444	0.0185175733	0.0112361699	-0.0102019929
## 176	-0.0062997744	0.0218883886	-0.0787044102	0.0270952904	0.0035869729
## 177	0.0725575657	-0.0384383183	-0.0053725144	-0.0153411868	0.0105243257
## 178	0.0148085275	-0.0535620082	0.0215219669	-0.0462533380	-0.0217660009
## 179	-0.0393648559	-0.0238466757	0.0023364194	0.0212995496	-0.0221316712
## 180	-0.0421558145	-0.0049362207	-0.0087537722	-0.0258249437	0.0390683464
## 181	-0.0221594265	0.0385601037	0.1052104749	-0.0027598052	-0.0672750851
## 182	-0.1142347031	-0.0255596579	0.0451818317	0.0071890585	0.0177730742
## 183	0.0582229142	-0.0187974167	0.0316876883	0.0578401430	-0.0276260483
## 184	0.1144274207	-0.0003758214	0.0785653607	0.0324216619	0.0509553253
## 185	0.0186981867	0.0377930627	-0.0604719353	-0.0396313539	0.0180855559
## 186	0.0307442771	0.0294149278	-0.0491703612	0.0367466584	0.0116034619
## 187	0.0475927473	-0.0476108476	-0.0749508745	-0.0531215564	-0.0549567563
## 188	0.0773403736	0.0347242525	0.0325510494	-0.0649261449	-0.0576550560
## 189	-0.0031827719	0.0530572903	-0.0661517366	0.0275146258	-0.0214870290
## 190	0.0173320487	-0.0032524593	-0.0169842253	0.0090227943	0.0648905452
## 191	-0.0174555309	0.0203318205	0.0449009073	-0.0298669176	-0.0029966379
## 192	-0.0098043636	-0.0657134366	0.1126190062	0.0661473468	-0.0069663847
## 193	0.0279542684	-0.0116249571	0.0317810801	-0.0518755641	-0.0760005078
## 194	0.0038355999	-0.0516982809	0.0152885118	0.0636112721	-0.0210722975
## 195	-0.0542421218	0.0498594992	-0.0485476307	-0.0384547520	0.0279815608
## 196	0.0516252480	0.0484152442	-0.0289612094	-0.0666805858	-0.0107953132

## 197	0.0009665836	0.0265554153	-0.0077297073	-0.0480327363	-0.0489086895
## 198	0.0017253257	-0.0177455337	-0.0690590298	0.0056362070	-0.0056651734
## 199	0.0236228868	-0.0228105652	0.0158674136	0.0443889842	-0.0188301397
##	V371	V372	V373	V374	V375
## 1	-0.0703238071	0.0274680222	0.0064384409	0.0821995204	-0.0635042204
## 2	-0.0197109606	-0.0113220564	0.0851726133	-0.0891437382	-0.0169378469
## 3	-0.0028461471	0.0150504084	0.0423259836	-0.0330897251	-0.0069205633
## 4	0.0745173983	-0.0105122961	0.0808753834	-0.0481297885	-0.0745430138
## 5	0.0731510328	0.0291858011	0.0317588113	-0.0142575196	-0.0353335942
## 6	0.0120624369	0.0619719028	-0.0727706009	0.0089324355	0.0030166460
## 7	-0.0376340436	0.0178017619	-0.0284231903	-0.0662844100	-0.0368350885
## 8	0.0310410003	-0.0335495647	-0.0132570571	0.0357125225	0.0148850974
## 9	0.0271277678	0.0325758468	-0.0432293483	-0.0229852402	0.0750965284
## 10	0.0414487948	-0.0882692318	0.0150265677	0.0627969095	-0.0265622579
## 11	-0.0168731986	-0.0576217133	0.0468152575	0.0030605552	0.0085494623
## 12	0.0763880454	0.0181430155	0.0247152744	-0.0324114600	-0.0092926521
## 13	0.0178740176	0.0787601403	0.1289685983	-0.0256069183	-0.0406137025
## 14	0.0045105021	-0.0111071842	-0.0816704203	-0.0372151031	-0.0340448184
## 15	0.0433494503	0.0377418726	0.0699904835	-0.0206430219	0.0228382068
## 16	0.0160022149	-0.0554351198	-0.0073689876	0.0212202349	-0.0616200509
## 17	0.0058069013	-0.0275370390	0.0559802569	0.0276527864	0.0226010686
## 18	0.0422625830	-0.0279792356	-0.0002659382	-0.0590646676	-0.0336172709
## 19	-0.0424046094	-0.0753217920	0.1210196080	0.0159180885	0.0258567033
## 20	-0.0942100926	0.0141240031	0.0309725224	-0.0376156576	-0.0748258392
## 21	0.0163615822	-0.0208326977	-0.0240464660	0.0192333303	-0.0504612585
## 22	0.0873369333	-0.0269042364	-0.0025853144	-0.0345604184	-0.0599306672
## 23	0.0082191269	-0.0096991551	-0.0292651366	-0.0526303911	0.0310077572
## 24	-0.0222878978	-0.0491675795	-0.0586889956	0.0154315329	-0.0208399936
## 25	0.0219694774	-0.0186751836	-0.0227198915	0.0170423224	0.0755639670
## 26	-0.0018393529	0.0430355547	-0.0194017535	0.0050815281	-0.0252962837
## 27	-0.0068106084	-0.0004463424	0.0799371398	-0.0121953395	-0.0309068002
## 28	0.0065020279	-0.0005655234	-0.0023733886	-0.0460441796	0.0952951283
## 29	-0.0110403946	-0.0675140226	0.0373851928	-0.0501836234	-0.0544541956
## 30	0.0331612129	-0.0187677839	0.0448692209	0.0056276404	0.0126792277
## 31	0.0287511772	0.0478068507	-0.0458110019	-0.0409899913	0.0619414883
## 32	0.0089115830	-0.0150200907	-0.0514629434	0.0323899137	-0.0077912639
## 33	-0.0279163142	-0.0226750390	-0.0068593560	0.0178587230	0.0384508104
## 34	-0.0806403303	0.0556130117	0.0720729449	-0.0484939984	-0.0302695614
## 35	-0.0363482022	-0.0117307294	-0.0044180824	-0.0012143792	0.0199704323
## 36	0.0474861986	-0.0288800589	0.0050670227	-0.0611478559	0.0111524461
## 37	-0.0593750459	-0.0354139374	0.0001996838	0.0253308771	0.0315599107
## 38	-0.0132969597	-0.0125020984	0.0851746453	0.0213474720	-0.0447590906
## 39	0.0006042088	-0.0494423603	0.0093271880	-0.0291693675	0.1077375561
## 40	-0.0306983969	0.0102394280	0.0101087504	-0.0408239721	0.0321148780
## 41	-0.0076121322	0.0115040679	-0.0182448403	-0.0106414639	-0.0531747527
## 42	0.0234882310	-0.0481675034	0.0302910072	0.0405599621	-0.0163346469
## 43	-0.0297230098	0.0450932612	0.0932550610	0.0381661060	0.0413368971
## 44	0.0540642612	-0.0559291655	0.0311067299	-0.0332257640	-0.0366037563
## 45	-0.0873985596	-0.0233666409	-0.0165964330	-0.0182097776	-0.0130836444
## 46	0.0016892784	0.0121957039	0.0104470904	0.0354307936	-0.0503881093
## 47	0.0085460142	0.0426056315	0.0405536016	-0.0057307335	0.0384332581
## 48	-0.0455320929	-0.0024714844	0.0169215651	-0.0133878268	-0.0699844860
## 49	-0.0770842958	0.0391465444	0.0152562882	0.0061881727	0.0243390698
## 50	-0.0177564157	0.0276354567	-0.0426045505	0.0250741714	-0.0201732667

## 51	-0.0393136618	0.0153229046	0.0519667452	-0.0263006225	0.0238341733
## 52	-0.0693850079	-0.0395480999	0.0122433411	0.1016539655	-0.0772375318
## 53	0.0010799667	-0.0265167827	-0.0136859922	-0.0196323340	-0.0412601387
## 54	0.0314753617	0.0476151812	0.0255141293	0.0603135864	-0.0116152046
## 55	-0.0061229433	0.0209234906	-0.0594009146	0.0541147886	-0.0135022994
## 56	-0.0520203445	-0.0124933607	0.0176351286	0.0803931017	-0.0042239698
## 57	-0.0303285515	-0.0097180099	0.0552130749	0.0757017378	0.0120644869
## 58	-0.0187907349	-0.0038540787	-0.0097300231	-0.0060080029	-0.0041040801
## 59	-0.0638409971	-0.0548569352	-0.0002906647	0.0300528475	-0.0194828422
## 60	-0.0616429007	0.0134439438	0.0083599120	-0.0407657813	-0.0336723939
## 61	-0.0130437413	0.0103375598	0.0120914453	-0.0430881052	-0.0064893036
## 62	0.0094782431	-0.0356739650	0.0164472906	-0.0405674341	-0.0049834214
## 63	0.1020196350	-0.0207551710	-0.0306248152	-0.0015647728	0.1241133004
## 64	0.0062570460	0.0592084397	0.0570491443	0.0153648870	0.0224741801
## 65	0.0228484899	0.0554411107	-0.0071360331	-0.0581263828	-0.0273554077
## 66	0.0674030831	-0.0542212882	-0.0769140259	-0.0120438082	0.0147220058
## 67	0.0101277173	0.0410184596	-0.0005448074	0.0014343289	0.0759424869
## 68	-0.0163881628	0.0837899630	0.0310576798	0.0618829496	-0.0148605512
## 69	0.0420618890	-0.0058952903	0.0215148182	0.0015385408	-0.0180790110
## 70	0.0656936860	-0.0440639496	-0.0446479586	0.0176967441	0.0784490025
## 71	-0.0177036648	0.0139526386	0.0437351819	-0.0468322865	-0.0547419145
## 72	0.0165036871	0.0746922231	-0.0497763062	0.0207283895	0.0700111980
## 73	-0.0455726287	0.0382703655	0.0055161600	-0.0255393003	-0.0502859366
## 74	0.0631358346	-0.0192977644	-0.0097240396	-0.0009240012	-0.0309394618
## 75	0.0021385298	-0.0265338856	0.0524643538	-0.0305499314	0.0494974627
## 76	-0.0229390847	0.0370690850	-0.0010784386	0.0581114078	-0.0032725376
## 77	0.0042065800	0.0410488447	0.0262830785	-0.0807005064	0.0764101933
## 78	-0.0530410759	0.0301834819	-0.0158265537	0.0266238126	0.0180723482
## 79	-0.0211616023	-0.0567447977	-0.0404139939	0.0290670853	-0.1163326784
## 80	-0.0065038243	0.0533007091	0.0183507192	0.0268530230	0.0000248313
## 81	0.0854333665	0.0264574142	0.0127537036	0.0372519623	-0.0758517770
## 82	0.0605369546	0.0041905946	0.0703717512	0.0802405222	-0.0295888988
## 83	0.0370091322	0.0346498879	-0.0194445467	0.0175681589	-0.0192050610
## 84	-0.0455746367	-0.0179609907	0.0383617651	0.0690778004	0.0044029110
## 85	0.0463642709	-0.0808430452	0.0236945078	-0.0067996732	-0.0228028213
## 86	0.0478019514	-0.0675200747	-0.0153220550	0.0492731928	0.0086003920
## 87	0.0506583367	0.0002513946	-0.0083182714	0.0193463426	0.0498616258
## 88	-0.0545790446	0.0833593882	-0.0088915754	-0.0665451573	0.0259899642
## 89	-0.0013342020	0.0072897064	-0.0608237096	0.0079237419	0.0531583441
## 90	0.0035423670	0.0194190225	-0.0640388088	0.0187059640	0.0058742897
## 91	0.0111667790	-0.1139372970	0.0196756179	0.0342758880	0.0100812277
## 92	0.0361884871	0.0579773830	0.0045527935	-0.0089741127	-0.0420443685
## 93	-0.0170429009	-0.0282045665	0.0006330734	-0.0260681871	-0.0652991611
## 94	0.0172227227	0.0555465172	-0.0376686519	-0.0084254844	0.0854061816
## 95	-0.0226051690	0.0092201185	0.0061809575	0.0257018512	-0.0331601768
## 96	-0.0277458683	0.0457959393	0.0704729025	0.0903926254	0.0664168866
## 97	0.0042937890	0.0337675107	0.1081432007	-0.0022896683	-0.0677872502
## 98	-0.0532574183	-0.0919340726	-0.0336891331	0.0128536047	0.0899567358
## 99	0.0314468557	-0.0019335670	0.0340765555	-0.1116092348	-0.0258333098
## 100	0.0075976926	0.0244944489	-0.0355736287	-0.0409448039	-0.0278242282
## 101	0.0323520898	-0.1015267227	-0.0388426458	-0.0611726078	-0.0071686148
## 102	0.0137038745	0.0425272917	0.0448497205	-0.1072970350	-0.0708699506
## 103	0.0388103481	-0.0379054377	-0.0297720061	0.0061789622	-0.0276347650
## 104	-0.0091942537	-0.0624290119	0.0074903566	-0.0328744690	-0.0311165367

## 105	0.0395744200	0.1077238764	0.0128731095	-0.0354048270	-0.0262807085
## 106	0.0236603552	-0.0072494406	-0.0221202190	-0.0359566949	-0.0213800784
## 107	0.0077661203	-0.0266179600	-0.0461224259	0.0044568217	0.0093173089
## 108	0.0046531296	-0.0575545771	-0.0365206098	0.0159506680	0.0353982773
## 109	-0.0273467941	-0.0411247208	-0.0385521408	-0.0859230574	-0.0632940463
## 110	-0.0184237617	0.0323598144	-0.0170217494	-0.0349326949	0.0791436571
## 111	0.0398872328	0.0662173223	-0.0097018196	-0.0326063246	-0.0227880203
## 112	-0.0595231599	0.0153592577	0.0319612891	-0.0057492761	0.0695307244
## 113	0.0469826180	-0.0530894012	0.0245327994	0.0275853874	-0.0530736790
## 114	0.0637672584	-0.0391611756	0.0950466409	0.0056879003	0.0957836709
## 115	0.0467426342	0.0413753533	-0.0777277706	-0.0131150016	0.0207529487
## 116	-0.0457580657	-0.0162137477	-0.0185237550	0.0046240682	-0.0211408865
## 117	0.0389802200	-0.0593756890	-0.0280267883	-0.0093972751	0.0717915352
## 118	0.0404042883	0.0181658830	0.0337300436	0.0331540128	0.0813660730
## 119	0.0438385842	-0.1113008517	0.0105054931	-0.0294629084	-0.0068797050
## 120	0.0134425494	-0.0022076697	-0.0666129286	0.0164918124	-0.0328478644
## 121	-0.0344513931	-0.0440819433	-0.0013335521	-0.0641899753	0.0350449625
## 122	-0.0276304813	0.0198359226	-0.0747609289	0.0093069133	0.0090510583
## 123	0.0245731565	0.0211229330	-0.0456235954	-0.0725491776	0.0092700107
## 124	0.0150829773	-0.0495641112	-0.0601477541	-0.0281426443	-0.0011169036
## 125	0.0289357776	0.0132837151	-0.0117214484	-0.0355077193	-0.0453547789
## 126	0.0520319047	-0.0176087188	-0.0315987761	0.0234679330	0.0256550964
## 127	0.0082523939	-0.0608406631	0.0275775216	0.0005165839	-0.0526741789
## 128	-0.0448204409	0.0716187727	0.0508757773	0.0317314057	-0.0883062352
## 129	0.0427519427	0.0503440019	-0.0045557536	-0.0130601016	0.0007835030
## 130	0.1093244186	-0.0226574217	-0.0891927041	0.0118866603	0.0455034208
## 131	-0.0237148353	0.0466226694	-0.0508788602	-0.0131126486	-0.0065458706
## 132	0.0438047765	-0.0597251336	-0.0021311893	0.0516744937	-0.0054825554
## 133	-0.0141082884	-0.0078123582	-0.0140390424	0.0034849642	0.0040239851
## 134	0.0317080985	-0.0340392151	0.0412999423	-0.0318454593	0.0044354015
## 135	-0.1272822296	-0.0258813765	-0.0830878578	0.0455290874	0.0666202366
## 136	-0.0885504299	0.0306303605	-0.0474924066	0.0580838622	0.0150823838
## 137	0.0123966954	0.0219285906	0.0684680411	0.0749562513	0.0333288139
## 138	-0.0567992241	0.1291511278	-0.0546138317	0.0056709790	-0.0117155406
## 139	0.0381599507	0.0428164740	0.0463229876	-0.0158979846	0.0362535596
## 140	-0.0313442686	0.0005792714	0.0131166941	-0.0818090240	0.0344984968
## 141	-0.0272457763	-0.0579639905	-0.0212579200	0.0663070364	-0.0143182665
## 142	-0.0680395447	0.0265151508	-0.1060162075	0.1095252063	-0.0515319063
## 143	0.0111922279	0.0365723949	0.0709966658	0.0059795149	-0.0179887514
## 144	0.0274905340	-0.0019435791	0.0327504528	0.0220090480	0.0449704636
## 145	0.0752082880	0.0545466817	0.0371434041	-0.0283787591	0.0109699408
## 146	-0.0121182456	-0.0565011078	-0.0253407285	0.0242958884	-0.0548629217
## 147	0.0055475729	-0.0407077431	0.0391094846	-0.0907303560	-0.0049454642
## 148	0.0201703436	0.0187818589	0.0008070463	-0.0087640387	-0.0168903153
## 149	-0.1089444082	-0.0548770906	0.0119430057	-0.0113714259	-0.0240967895
## 150	0.0500738783	0.0072155322	-0.0167615472	-0.0721079251	0.0271770622
## 151	-0.0571107121	0.0417761125	0.0014268891	0.0403102148	-0.0301028207
## 152	-0.0300982970	-0.0811397768	0.0961240511	-0.0803457725	-0.0387406378
## 153	-0.0251686801	-0.0303513513	0.0296850834	-0.0084632247	-0.0183645279
## 154	0.0130736681	0.0157604646	0.0239300699	0.0010678988	0.0207049583
## 155	-0.0244557753	-0.0076995383	-0.0230302266	0.0006326164	0.0504036748
## 156	0.0194555662	0.0440905170	0.1127791191	0.0425249826	-0.0022751641
## 157	0.0116944055	-0.0060079534	-0.0801307043	0.0197840472	-0.0038658379
## 158	-0.0404589736	-0.0318164118	-0.0209390979	0.0055980882	0.0579203221

## 159	0.0040018395	0.0383162099	0.0413890560	-0.0110613736	0.0142267807
## 160	0.0481994587	0.0963684362	0.0859143492	0.0117580170	-0.0591657716
## 161	-0.0068899524	0.0946335383	0.0029015896	0.0259807488	-0.0901532526
## 162	0.0653483245	-0.0554908383	0.0271901785	-0.0426526977	0.0224856324
## 163	-0.1323761608	-0.0571227333	0.0670146700	0.0173505525	-0.0892601608
## 164	-0.0458158065	-0.0982842380	0.0585986993	0.0102129338	-0.0032740863
## 165	0.0359541299	-0.0231246370	0.0420883210	-0.0744176698	0.0324834444
## 166	-0.0204936313	0.0786569983	0.0407501594	0.0336122785	-0.0581869234
## 167	0.0047492198	0.0539456000	-0.0112725464	-0.0089529142	-0.0105188199
## 168	-0.0682822138	0.0499332579	0.0010198412	-0.0455893061	0.0603762544
## 169	0.0604031692	-0.0232525583	-0.0801782264	-0.0782836180	-0.0355988359
## 170	0.0505986629	0.0283638614	0.0622244395	0.0464340407	-0.0353535133
## 171	0.0584940197	0.0520492091	-0.1119991913	-0.0109243806	-0.0348956322
## 172	-0.0784842856	0.0162937950	0.0185840892	0.0002268008	0.0350994741
## 173	0.0095612771	0.0377813106	0.0134060561	-0.0246395027	0.0634454188
## 174	0.0024975157	0.0222973991	0.0814866470	0.0492150670	0.1054837250
## 175	0.0351517365	0.0312189617	-0.0147405772	-0.0424994973	0.0076225330
## 176	0.0159782773	-0.0234322758	0.0130824892	-0.0183515179	0.0720155214
## 177	0.0410727341	0.1041925331	0.0325333410	-0.0378463639	0.0297905264
## 178	-0.0619592136	0.0117752240	0.0294871110	0.0070190966	0.0107982565
## 179	0.0006802101	0.0078835739	-0.0889580810	0.0165180303	0.0047051142
## 180	0.0543114066	-0.0305476279	-0.0209642565	0.0481912395	-0.0617042706
## 181	-0.0879854751	-0.0603287450	-0.0516988920	-0.0309514850	-0.0315631543
## 182	0.0334302242	-0.0792429111	0.0191061887	0.0221824715	-0.0249412935
## 183	0.0178454625	-0.0614995307	-0.0266420130	-0.0104246578	-0.0183433532
## 184	-0.0097019190	-0.0208068934	0.0157849378	0.0435939900	-0.0214500742
## 185	-0.0626070639	-0.0328582011	-0.0386061686	-0.0532501088	0.0023845421
## 186	0.0180269097	-0.0441753701	-0.0580435591	-0.0694085558	-0.0406789971
## 187	0.0554311617	-0.0649748431	-0.0458934094	-0.0236858684	0.0280133626
## 188	-0.0479709141	-0.0383893360	-0.0239706108	0.0693570300	-0.0618898921
## 189	0.1311459509	0.0413036488	-0.0430304528	-0.0106344443	0.0262039759
## 190	0.0386485748	0.0684473012	0.0094229621	0.0363840322	0.0506885604
## 191	0.0157732941	0.0382402803	-0.1179611728	-0.0012236512	0.0273301506
## 192	0.0251441065	0.0267647144	0.0223801729	-0.0096004659	-0.0095747257
## 193	-0.0089032543	0.0542130297	0.0148720464	-0.0251051033	-0.0006240130
## 194	0.0206664603	-0.0398770814	-0.0507817343	-0.0206292658	-0.0221499960
## 195	-0.0155149315	0.0558906868	0.0161671045	0.0288967111	0.0140500348
## 196	-0.0298526001	-0.0271882088	-0.0023241301	-0.0185935354	0.0960055084
## 197	-0.0619229945	0.0705474619	-0.0462440976	-0.0116867342	0.0523360917
## 198	-0.0200065253	-0.0764680944	0.0365910761	-0.0037353476	-0.0126297164
## 199	0.0314381010	0.0365518394	-0.0561981729	-0.0307963366	-0.0700660733
##	V376	V377	V378	V379	V380
## 1	0.0163146127	-2.879779e-02	3.200814e-02	0.0497730439	-0.0347158024
## 2	-0.0197807689	2.020368e-02	-2.616799e-02	0.0454365429	-0.0332725365
## 3	0.0059102304	7.621390e-02	-4.875836e-02	0.1005470208	0.0163088846
## 4	0.0005662978	6.193236e-05	-4.984438e-02	-0.0827600362	-0.0577922626
## 5	0.0531019031	2.631368e-02	1.032399e-01	0.0565646823	0.0559277378
## 6	-0.0475429778	8.849363e-03	6.393742e-02	0.0320050779	0.0169722241
## 7	0.0257710828	-5.465513e-02	1.267590e-03	0.0606182680	-0.0818898240
## 8	0.0407697829	-1.259207e-01	-9.799560e-03	0.0554130315	-0.0423829105
## 9	0.0473304646	-4.565693e-02	3.127896e-02	-0.0151822540	0.0380996304
## 10	-0.0437736461	4.929172e-02	1.096292e-01	-0.0648348750	-0.0130179083
## 11	0.0088817993	8.517905e-02	-6.719238e-03	0.0749805507	-0.0072550678
## 12	-0.0395139361	-1.190456e-02	2.013980e-02	0.0741750865	0.0044683183

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## 13  0.0184192185  5.496171e-02  1.061038e-01  0.0362857682  0.0250082139
## 14 -0.0209734052 -1.972797e-02  2.711575e-02 -0.0411310686  0.0191676733
## 15 -0.0096672167  2.398112e-02 -3.181896e-03  0.0375109491 -0.0442060318
## 16  0.0034064564  3.114175e-02  6.173173e-02 -0.0158416654  0.1172232267
## 17 -0.0206284771  5.206500e-02 -1.076983e-01  0.0221715764 -0.0039740870
## 18  0.0488817813 -7.306397e-03 -6.168656e-02 -0.0255803941 -0.0781676474
## 19 -0.0231526417 -5.747391e-02 -4.445235e-03  0.0307043366 -0.0617819630
## 20 -0.0925970487 -5.083255e-02  7.215510e-02 -0.0192821158 -0.0123164147
## 21 -0.0465236663 -1.647628e-02 -1.442897e-02 -0.0879639143  0.0053149142
## 22  0.0452816042  3.787137e-02 -6.773154e-02  0.0418371837 -0.0226325542
## 23 -0.0208200321 -7.814028e-02  2.001424e-02 -0.0285805167 -0.0093461553
## 24  0.0350551385  1.575192e-02  5.751666e-02  0.0491524717  0.0496834718
## 25 -0.0237297351  1.828006e-02  3.317354e-03 -0.0035562575  0.0082956556
## 26  0.0003668469  7.948348e-02  4.373168e-02 -0.0722592879 -0.0227982632
## 27  0.0244325040 -2.548605e-02  3.120259e-02 -0.0835288928  0.0551073361
## 28  0.0880884042  1.521118e-02  7.346782e-02  0.0250167909  0.0608888938
## 29 -0.0658496483 -4.091060e-02  9.215587e-04  0.0207641476  0.0399179835
## 30  0.0405348381 -8.455430e-02 -4.124211e-02  0.0555306476 -0.0388855549
## 31  0.0493821624  8.342679e-02  2.342022e-03 -0.0665764259 -0.0233525070
## 32 -0.0611644759  3.640863e-02  1.554534e-02  0.0126605504 -0.0077847842
## 33  0.0460176335  6.772515e-02  3.224315e-02  0.0830378815 -0.0356481812
## 34 -0.0170195731  3.209515e-02  9.198266e-03  0.0351146416  0.0869586198
## 35  0.0181716439  4.509851e-03 -2.823264e-02  0.0029479991 -0.0320878954
## 36 -0.0332948799  3.494953e-02 -7.268024e-03  0.0270255587  0.0239308869
## 37 -0.0156917219  4.178497e-02  5.939321e-02  0.0144579048 -0.0059380772
## 38 -0.0743985335 -5.858181e-02  6.907965e-02 -0.0340672314  0.0128557284
## 39 -0.0493236724  1.937077e-02 -3.422201e-03  0.0377325758  0.0302711199
## 40 -0.0145714902  1.271654e-01 -7.702757e-02 -0.0095621121 -0.0444817048
## 41 -0.0105454035  7.204601e-02  2.835232e-02  0.0028687308 -0.0497081839
## 42 -0.0566431655  5.712206e-02 -3.223400e-02  0.0441988318 -0.0125818727
## 43 -0.0637781189 -1.489263e-02 -2.317615e-02  0.0044943080 -0.0407658654
## 44 -0.0253814890 -1.475083e-02 -2.489060e-02 -0.0522744529  0.0327381091
## 45 -0.0033593871 -1.083202e-03  1.212151e-01  0.0473814167  0.0229229110
## 46  0.0009709624  5.310505e-02  8.762198e-02  0.0353722419 -0.0263748942
## 47  0.0240855490 -4.750356e-02  3.952225e-02 -0.0232401806  0.0007860697
## 48 -0.0651095184  2.639603e-02  1.461645e-02 -0.0166487643 -0.1002204358
## 49 -0.0052482739  3.191756e-02  6.698696e-04  0.0778473319 -0.0154182225
## 50  0.0663128662  1.622128e-02 -4.071585e-04  0.0159647615 -0.0287923806
## 51  0.0421917371  7.047629e-02  5.442198e-02  0.0404134323 -0.0157405935
## 52  0.0580939873  2.742085e-02 -1.275552e-02  0.0633537096 -0.0321285786
## 53 -0.0332268601 -4.382584e-02 -5.586741e-02 -0.0572224794 -0.0482064904
## 54 -0.1243933870 -1.829759e-02 -4.080743e-02  0.0388492506 -0.0125693397
## 55  0.0191563890  8.573356e-02  7.315753e-02  0.0132113602  0.0199644549
## 56  0.0034014978  4.991777e-02 -1.059392e-01 -0.0198304351 -0.0244959989
## 57 -0.0564096736  2.673527e-02  1.328312e-02  0.0208140219  0.0236558516
## 58 -0.0097056469 -2.213072e-02 -8.905993e-03 -0.0493568021  0.0406686571
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## 67 0.0214404632 -1.020887e-01 -1.601334e-02 -0.0014154062 -0.0293696045
## 68 0.0239118419 -6.962004e-02 -3.435844e-02 0.0553522403 0.0819486853
## 69 -0.0295540347 3.118328e-02 2.577270e-02 0.0556641840 -0.0446446695
## 70 -0.0212667634 -6.603139e-02 -6.311289e-03 -0.0703027108 0.0023526196
## 71 -0.0301683271 -3.254577e-03 -4.949590e-02 0.0493768678 0.0374560235
## 72 -0.0228979357 -4.688552e-02 2.355750e-03 -0.0126354246 -0.0265072070
## 73 -0.0275956222 1.219733e-02 -8.035349e-02 -0.0428957922 -0.0155894051
## 74 -0.0743991848 8.203852e-02 3.867144e-02 -0.0046342291 -0.0139363301
## 75 -0.0512911064 -1.115149e-02 4.924433e-03 0.0159923090 0.0015268530
## 76 -0.0764924865 4.087256e-02 -3.833942e-02 0.0741137759 0.0247274583
## 77 -0.0323507264 1.624561e-02 1.925439e-02 -0.0153435983 0.0249964980
## 78 -0.0238520702 -2.080819e-02 7.725887e-02 0.0355905800 0.0448222668
## 79 0.0209199966 4.258647e-02 -2.561507e-02 -0.0001561618 -0.0003316226
## 80 0.0319178110 -8.855719e-02 1.045001e-02 -0.0141485369 -0.0635213209
## 81 0.0268987442 5.464414e-02 -2.784023e-02 0.0122169438 0.0136376199
## 82 -0.0077139450 3.265160e-02 1.871934e-02 0.0796790396 -0.0865283466
## 83 -0.0076951028 -1.773321e-02 4.103297e-02 -0.0357976397 0.0465557579
## 84 0.0310281302 -4.944558e-02 9.537663e-02 -0.0369728160 -0.0253451385
## 85 -0.0489384238 -2.256417e-02 3.428187e-03 0.0327813544 -0.0211796123
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## 87 0.0307495302 7.759465e-02 1.311363e-02 -0.0301080521 0.0260023099
## 88 -0.0322864779 6.657331e-02 2.932640e-03 0.0233705390 -0.0028184792
## 89 -0.0167939473 -2.578489e-02 7.880805e-03 -0.0089181038 0.0647545937
## 90 0.0029099833 -5.909425e-02 -2.430392e-02 0.0656167785 0.0524235510
## 91 -0.0570221335 1.493014e-02 -4.237740e-02 -0.0864558691 0.0027645541
## 92 0.0094780938 -2.776021e-03 2.845993e-02 -0.0445204162 -0.0589419921
## 93 -0.0625973350 3.166452e-02 2.224920e-02 0.0321609674 -0.0364647535
## 94 -0.0566984959 -5.424088e-02 5.668649e-02 -0.0612478403 -0.1053761747
## 95 -0.0383928780 -3.571741e-02 -3.735328e-02 0.0281794755 0.0317855221
## 96 0.0169023152 4.160098e-02 -6.954934e-02 0.0856936495 -0.0188311698
## 97 -0.0268671166 6.867225e-02 -5.381613e-02 -0.0113091746 -0.0398913480
## 98 -0.0463630480 5.601777e-02 -2.140444e-02 0.0068968805 0.0528054303
## 99 -0.0349105280 6.213267e-03 1.161586e-02 0.0018659039 -0.0890709312
## 100 -0.0788075547 -1.412139e-02 -7.708766e-03 0.0209620850 -0.0392851123
## 101 -0.0351401815 8.067661e-03 -3.129512e-02 -0.0429005394 -0.0408202419
## 102 0.0232452013 -3.406902e-02 2.373291e-02 0.0090177855 0.0134370557
## 103 -0.0747859935 4.294095e-02 4.747794e-02 -0.0053999509 0.0106437925
## 104 -0.0406487210 -4.655522e-02 -7.013299e-02 -0.0847644751 0.0202111766
## 105 -0.0669409774 -2.029372e-03 5.384940e-02 -0.0361683247 -0.0611563152
## 106 0.0375348316 1.339014e-02 1.315063e-02 0.0465302641 -0.0017599169
## 107 -0.0157967407 1.146452e-01 -1.136457e-03 0.0020324713 0.0331088221
## 108 0.0073598189 7.268283e-02 -1.556513e-02 0.0065550303 -0.0130388364
## 109 0.1239023795 4.715793e-02 5.054712e-02 -0.0353954477 -0.0274158506
## 110 -0.0535160283 4.187663e-02 2.112554e-02 0.0431154360 0.0442327206
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## 112 0.0703390254 -6.239172e-02 -3.430237e-03 -0.0467850666 0.0292685775
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## 121 -0.0148337459 6.075974e-02 -2.511376e-02 0.1068456996 0.0717908170
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## 125 0.0794752427 6.402221e-03 -1.783078e-02 0.0193576539 -0.0332177223
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## 128 0.0047132978 -1.936391e-02 -2.690054e-02 -0.0230453069 -0.0069619164
## 129 -0.0357139937 -7.203786e-02 4.877295e-02 -0.0875858344 -0.0121600145
## 130 0.0509625502 3.838761e-02 -1.903978e-02 0.0176676504 -0.0057021807
## 131 -0.0201821846 -3.195147e-02 9.116770e-02 0.0536228533 -0.0765249120
## 132 0.0155783265 4.087789e-03 3.654906e-02 -0.0135503716 -0.0466422894
## 133 -0.0229247420 1.168579e-01 -5.640913e-02 0.0292846863 -0.0854811436
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## 138 0.0003426756 -3.248056e-02 -2.570614e-02 -0.0330686431 0.0629884965
## 139 0.0741866837 -3.755913e-02 1.598587e-02 0.0289986698 0.0039461598
## 140 0.0813108719 2.911655e-02 1.136998e-01 -0.0331996960 -0.0236542841
## 141 0.0175519777 4.739730e-02 7.667393e-02 -0.0466623673 0.0556491722
## 142 0.0397881712 1.054674e-02 -4.725350e-02 -0.0193086579 0.0693175116
## 143 0.0222961317 3.771183e-02 1.866998e-02 0.0397262019 0.0003867418
## 144 -0.0673506170 -3.501788e-02 -1.693407e-02 0.0390248336 -0.0222285434
## 145 0.0943380355 4.633777e-02 8.258166e-03 -0.0154211997 -0.0695449397
## 146 0.0168857966 -6.253456e-02 5.560231e-02 0.0338820157 0.0680883983
## 147 -0.0618731777 1.462629e-02 5.090249e-02 -0.0316421894 0.0520461362
## 148 0.0332781363 -3.416783e-02 6.431315e-02 0.0220210813 0.0048736754
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## 153 -0.0196232304 2.138922e-02 1.447833e-02 0.0541872389 0.0222758947
## 154 -0.0117475289 2.981406e-02 6.240682e-02 0.0230193129 0.0314485496
## 155 -0.0524709393 5.598975e-04 2.713817e-03 -0.0128757619 0.0121100035
## 156 0.0193383340 1.030812e-02 9.783253e-03 -0.0313538447 0.0135758668
## 157 0.0351742505 3.120060e-02 -2.060411e-02 -0.0504870099 -0.0840550264
## 158 0.0435923156 -4.664436e-02 4.124257e-02 0.0071022430 -0.0208726572
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## 160 0.0386606115 -2.234405e-03 1.521913e-02 -0.0081429995 -0.0260545054
## 161 0.0438578275 9.264158e-02 3.346983e-02 0.0233748920 0.0070278649
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## 167 0.0749645053 -6.657883e-02 -9.656726e-03 -0.0123392016 0.0463452905
## 168 -0.0011246721 7.228076e-02 6.530501e-03 -0.0589906894 0.0077741862
## 169 0.0017691441 -7.084402e-02 3.688943e-02 -0.0725853202 0.0582963534
## 170 -0.0153239411 -2.574698e-03 3.798264e-02 -0.0545681357 -0.0585384912
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## 174 0.0103966041 -1.222409e-01 -1.125337e-02 -0.0890165406 0.0042307191

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## 175 -0.0468896250 -3.238914e-02 -4.942217e-02 0.0554510881 -0.0031852640
## 176 -0.0323932310 -3.705371e-02 6.453190e-03 -0.0368051840 0.0819511230
## 177 -0.0884332468 9.841647e-03 1.982652e-02 -0.0075501350 -0.0005263587
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## 186 -0.0024873569 3.355282e-02 4.419386e-02 0.0481464878 0.0353033302
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## 188 -0.0057950270 1.381363e-01 4.020395e-02 -0.0045919326 0.0652299583
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## 190 0.0733901953 5.781295e-02 9.096005e-03 -0.0500314839 -0.0411217579
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## 192 -0.0104099935 7.537241e-02 2.325971e-02 -0.0493708262 0.0328473905
## 193 -0.1130097439 3.262201e-02 -2.155796e-02 0.1158298245 -0.0611025745
## 194 -0.0521406673 -2.228059e-03 1.275775e-01 0.0360811436 -0.0576306479
## 195 -0.0352102752 -5.113492e-02 6.446143e-03 -0.0122556854 -0.0002320133
## 196 -0.0779062537 -6.250839e-02 -1.965484e-02 0.0052237190 0.0274350883
## 197 0.1001477785 -7.151479e-03 -1.545624e-02 -0.1006814315 -0.0049823058
## 198 -0.0282678435 7.303063e-03 -1.210617e-02 -0.0276960970 -0.0219370758
## 199 -0.0576065433 3.751600e-02 -7.570734e-03 -0.0829801917 -0.0540164412
##          V381          V382          V383          V384          V385
## 1  -8.571108e-03 -1.184488e-01 -0.0706996381 -0.0010318911 3.108988e-02
## 2  -6.828825e-02 -2.613088e-02 0.0481576049 0.0039964113 1.514913e-02
## 3  -3.088202e-02 6.425745e-04 -0.0212520297 -0.0590967468 -5.601007e-02
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## 5   5.915345e-02 -3.359996e-02 0.0146936246 -0.0005818357 -2.311730e-02
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## 187 6.918857e-02 -4.851058e-02 0.0066225346 -0.0275297370 6.947684e-02
## 188 -8.277848e-03 -5.307005e-02 0.0237648608 0.0286603456 1.978984e-02
## 189 -6.003079e-02 2.104278e-02 0.0154862058 -0.0080051240 -4.104466e-02
## 190 -4.192392e-02 2.117248e-02 -0.0106745434 0.0921139370 -1.965570e-02

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## 191	-3.082071e-02	-3.865222e-02	0.0371357035	-0.0256867513	-4.274942e-02
## 192	1.104920e-02	-4.905484e-03	0.0001135998	-0.0656003541	3.316581e-02
## 193	-6.385899e-03	-4.376590e-02	-0.0064889060	-0.0199825366	-1.821103e-02
## 194	-3.589019e-02	-6.584564e-02	0.0496022686	0.0449704359	-1.025692e-03
## 195	1.232328e-02	1.971145e-02	0.0037965073	-0.0506572245	-6.905559e-02
## 196	-2.199899e-02	-1.691440e-02	0.0106869509	0.0003409204	3.597684e-02
## 197	-7.374403e-02	-9.256000e-03	-0.0028547605	-0.0168987418	2.132450e-02
## 198	-4.208153e-02	1.209189e-02	-0.0001047187	0.0179804215	2.096532e-02
## 199	3.914913e-03	5.451123e-02	0.0611515893	0.0335126621	6.155106e-03
##	V386	V387	V388	V389	V390
## 1	0.0396374993	-0.0177929509	0.088361254	-1.602974e-02	0.0387007763
## 2	0.0476274273	0.0318372417	0.029137806	-1.011660e-01	-0.0322741527
## 3	-0.0683448160	0.0215402200	0.064322078	-1.488312e-03	0.0606414723
## 4	0.0553792879	0.0154577698	0.041757262	5.841384e-02	0.0130652895
## 5	-0.0272494504	-0.0062293507	-0.070866042	1.807008e-02	0.0295292803
## 6	-0.0121579577	-0.0535172748	0.002986884	-7.558574e-02	0.0581059072
## 7	0.0754778483	-0.0437457566	0.095934491	3.716353e-02	0.0566196126
## 8	-0.0217427486	0.0765049616	-0.008152185	4.709426e-02	-0.0223761465
## 9	0.0275308339	-0.0144416736	0.043813717	-6.359061e-02	-0.0076699088
## 10	-0.0326430222	-0.0842724623	-0.045496446	-1.703677e-02	-0.0242608566
## 11	0.0482954022	0.0019125838	-0.057138796	1.693411e-02	-0.0119200582
## 12	-0.0078573017	-0.0549344024	-0.001685406	-4.243718e-02	0.0082886338
## 13	-0.0152735734	-0.1439933434	0.009407082	2.480121e-03	0.0437900479
## 14	-0.0307421195	0.0579511671	-0.039632625	-4.151320e-02	-0.0012822855
## 15	-0.0181098896	-0.0169929360	-0.060417745	4.927811e-03	-0.0107632870
## 16	-0.0634688077	0.0767637378	0.033138170	-5.081976e-02	-0.0241171190
## 17	-0.0263522133	-0.0108079339	0.007513544	2.908384e-02	0.0081532837
## 18	-0.0582620848	0.0468696159	-0.005201843	-5.845464e-02	0.0619184707
## 19	-0.0212867620	-0.0231349912	-0.032868191	-2.363024e-02	-0.0434247786
## 20	0.0760592637	-0.0117271251	-0.022864026	4.375513e-02	-0.0381276309
## 21	0.0046510744	-0.0314411505	0.070631984	-4.519468e-02	-0.0042097779
## 22	0.0331943625	0.0458419087	-0.008136031	-7.319591e-04	0.0937516905
## 23	0.0471585810	-0.0244472284	0.042853811	2.116358e-02	-0.0529014591
## 24	0.1218812464	-0.0092769252	-0.052401763	-4.676562e-02	0.0449306717
## 25	-0.0508370692	0.0059967479	0.014017013	3.627522e-02	0.0324537549
## 26	0.0418277869	-0.0055650771	-0.036105721	2.748336e-02	-0.0117387395
## 27	0.0212168071	0.0450157251	-0.020569986	-4.202832e-02	0.0331229338
## 28	-0.0367712293	0.0536677974	0.006619444	1.943139e-02	-0.0682000430
## 29	0.0704487984	-0.0110902785	-0.047447706	2.632173e-02	0.0489145616
## 30	-0.0962441529	0.0130650601	-0.084555339	1.048052e-02	-0.0573766974
## 31	-0.0166460278	-0.0010223127	-0.012943407	5.085776e-02	0.0114809630
## 32	0.0612892239	0.0158020310	-0.015967494	-3.251140e-03	-0.0466565182
## 33	-0.0893450979	-0.0036986955	-0.010803877	1.489165e-02	0.0057699640
## 34	0.0804638664	0.0122373201	0.002877195	5.418844e-02	-0.0207154823
## 35	-0.0539376895	-0.0341250444	0.013778297	2.201191e-02	-0.0327731409
## 36	-0.0627747762	0.0040066660	0.006153581	1.508293e-02	-0.0375872526
## 37	-0.0329118241	0.0058721653	-0.016215265	-3.234123e-02	-0.1179926385
## 38	-0.0210258815	0.0808155298	0.025473492	6.270432e-02	0.0062749615
## 39	0.0342889700	-0.0074166106	-0.064432531	1.036692e-01	0.0288850681
## 40	0.0610088460	-0.0024815658	-0.008108784	2.843091e-02	0.0506822390
## 41	-0.0017395139	-0.0200833816	-0.023869746	1.070437e-01	-0.0025410284
## 42	0.0555304358	-0.0734677855	-0.062098422	-1.395204e-02	0.0322088164
## 43	0.0643194450	-0.0627032837	-0.008297554	6.200499e-03	-0.0460798590
## 44	0.0046263941	-0.0545291396	0.016367670	-6.463914e-02	0.0941796289

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## 45 -0.0359249661 -0.0010694231 -0.025519535 1.259298e-02 -0.0484106253
## 46 0.0376341079 0.0157494792 0.078532580 6.125627e-03 -0.0299020603
## 47 -0.0549701805 0.0498800361 0.004888535 -5.088750e-03 0.0376901551
## 48 0.0042349888 -0.0064926102 -0.014277043 5.169510e-02 -0.0935769358
## 49 -0.0716182238 0.0037383066 -0.026604931 8.832832e-03 0.0595115512
## 50 -0.0710237129 0.0115687521 0.042438364 5.536081e-03 -0.0047872165
## 51 0.0615546266 -0.0924491495 -0.070017620 1.619733e-02 -0.0125374557
## 52 -0.0633282909 -0.0332236761 -0.045074052 8.444433e-02 0.0113186649
## 53 0.0249892035 -0.0269375134 0.024226941 -6.783882e-03 0.0506014706
## 54 0.0007812142 -0.0523498884 0.064571821 6.073152e-02 -0.0592641933
## 55 -0.0316621377 -0.0325292986 0.016133667 -1.161689e-02 -0.0654330644
## 56 0.0083530249 -0.0303620834 -0.020736447 5.800158e-02 0.0204292700
## 57 0.0075655015 0.0530623619 -0.075801809 9.406668e-02 0.0837006961
## 58 -0.0632112380 -0.0093668975 0.074037531 5.692609e-02 0.0017138789
## 59 0.0398749694 -0.0234416550 -0.095695742 -3.280204e-02 -0.0561069081
## 60 0.0849537683 0.1047890833 -0.047957530 1.049897e-01 0.0575868974
## 61 0.0021384064 -0.0253631416 -0.009018395 -6.875957e-02 -0.0015572364
## 62 -0.0103739242 0.0584046414 0.064785292 3.365550e-02 -0.0287623785
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## 74 0.0103697442 -0.0238115812 0.018394422 4.974015e-03 -0.0398951831
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## 78 0.0569650187 0.0113669527 -0.051263532 -9.862669e-03 -0.0124963842
## 79 0.0022137685 0.0002657763 -0.018692528 -2.620474e-02 0.0595973260
## 80 -0.0576414357 0.0300694536 0.032647864 -2.900551e-02 -0.0064244005
## 81 -0.0164917502 0.0338319946 0.005310798 1.835566e-02 0.0401797076
## 82 0.0368746837 0.0442020645 0.005591008 -2.031174e-02 0.0426089307
## 83 -0.0593041293 -0.0232986932 -0.077598431 -6.791117e-04 -0.0040967490
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## 93 0.0063490038 -0.0167166815 0.049233788 6.619470e-02 0.0216633635
## 94 -0.0461096669 -0.0158235377 0.019115884 -5.541934e-03 0.0463516728
## 95 0.0138345364 -0.0351839454 -0.025461746 6.866812e-02 0.0120254810
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## 97 -0.0459971599 0.0066607966 -0.003786831 -3.475822e-02 -0.0206523434
## 98 -0.0258281389 -0.0463906412 -0.035396602 -4.829199e-02 0.0271773580

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## 99 -0.0415745679 0.0084350238 0.052895574 4.599570e-02 0.0198829153
## 100 0.0290087184 0.1237063154 -0.038731678 -6.091079e-02 0.0269021051
## 101 -0.0087773806 -0.0102211591 -0.013753251 -1.059750e-02 0.0855242043
## 102 0.0340735170 -0.0187224055 0.006449590 -5.335053e-03 -0.0047502169
## 103 -0.1039450170 -0.0544230342 0.132936212 -3.435321e-02 -0.0913141133
## 104 -0.0262523477 0.0131964048 0.036626551 2.522960e-03 -0.0453591937
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## 106 -0.0040950159 0.0086610251 -0.040486385 -2.996458e-02 0.0440928940
## 107 -0.0106011136 -0.0503653078 0.029596988 8.832360e-02 0.0603825176
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## 109 -0.0046380449 0.0026100717 -0.079439958 4.568306e-03 -0.0284839632
## 110 0.0081901140 -0.0351315710 0.024119274 6.352503e-03 -0.0707593941
## 111 0.0005817344 0.0367724822 0.029128293 -5.429448e-03 -0.0128117016
## 112 0.0557221681 -0.0416485331 0.051016996 3.979008e-02 0.0159311339
## 113 0.0116842075 -0.0304024670 0.013666015 -3.230766e-03 -0.0481256728
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## 116 0.0257611924 -0.0336545423 -0.067303311 7.034469e-03 0.0657231919
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## 123 -0.0317417590 -0.0584962851 0.007948478 3.445693e-02 0.0229049106
## 124 -0.0523638150 -0.0069873367 -0.025423818 -6.657272e-02 -0.0015623398
## 125 -0.0374620786 0.0298650526 -0.014220371 1.575389e-02 -0.1147069734
## 126 0.0252079111 -0.0644569804 0.075122323 -3.334719e-03 0.0253848615
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## 129 0.0027134788 -0.0204980404 -0.052457779 -5.021912e-02 0.0137806719
## 130 0.0101019923 -0.0145255311 0.067171960 -3.410900e-02 -0.0557049400
## 131 -0.0871556445 -0.0247931309 0.013123378 -1.584345e-02 0.0122015336
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## 134 -0.0766753771 0.0548180198 0.078763841 -6.758936e-02 0.0197232698
## 135 0.0489737773 0.0749884675 -0.065241543 -1.562884e-03 0.0387094911
## 136 -0.0596348984 -0.0032023006 -0.060831045 3.430615e-02 0.0316966963
## 137 -0.0489613211 0.0170915711 -0.045850886 -4.290007e-02 -0.0051880934
## 138 0.0008244642 -0.0817956826 0.032764704 -2.378870e-02 -0.0071637510
## 139 0.0527714002 0.0220297693 -0.012288388 9.633939e-02 -0.0120724272
## 140 -0.0479124667 0.0557974956 0.014165377 -2.249598e-02 -0.0498388326
## 141 0.0166968169 0.0564078476 0.035136845 8.426081e-03 0.0380508743
## 142 0.0735977707 -0.0162616086 -0.036421757 3.570322e-02 0.0110745509
## 143 -0.0291027390 0.0529468198 0.057409285 -1.288485e-02 0.0186251534
## 144 -0.0329174135 0.0738386287 -0.014417847 -5.127477e-02 -0.0229831711
## 145 -0.0638838471 -0.0021092220 -0.030380150 -1.053197e-02 -0.0436792050
## 146 -0.0109508519 -0.0771264193 0.004902280 -1.774459e-02 -0.0146248090
## 147 -0.0015509763 -0.0068798502 -0.027362740 -9.928172e-03 0.0024225882
## 148 0.0030894713 0.1005589002 0.002213850 -3.730809e-02 -0.0075791647
## 149 -0.0052860917 -0.0232108689 -0.017232493 3.289609e-02 0.0011948254
## 150 -0.0320107573 0.0028353779 -0.054652593 -5.630996e-02 -0.0381637590
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## 152 -0.0309582788 0.0081268225 -0.073684942 6.446331e-03 -0.0514335736

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## 153 0.0009628414 -0.0444018006 -0.002166905 2.589654e-03 0.0126532450
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## 164 -0.0294323527 0.0290256270 -0.020678819 6.487015e-02 0.0011102749
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## 167 0.0014631594 0.0062565276 0.005431052 2.414370e-02 0.0506647895
## 168 0.0361176013 0.0023342205 0.046521960 4.281567e-02 0.0297206772
## 169 -0.0023386988 -0.0140996901 0.027156354 9.200409e-02 0.0438047880
## 170 0.0225010035 0.0347747814 -0.011531504 -2.337872e-03 -0.0559894009
## 171 0.0607593853 -0.0975872952 0.008695655 8.511492e-02 0.0543174687
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## 175 -0.0259753405 -0.0366152527 0.054894873 -5.177335e-02 -0.0006164719
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## 177 0.0393495278 0.0127299399 0.046890680 2.068321e-02 0.0414960295
## 178 0.0054452427 -0.0275251879 0.068051461 5.608840e-02 0.0079264234
## 179 0.0381169639 -0.0182731199 -0.005224342 -1.437035e-02 -0.0744454226
## 180 -0.0747833608 0.1397826198 0.058202086 4.345493e-02 -0.0292994460
## 181 -0.0120644391 0.0270762855 0.007706258 6.403720e-02 0.0324195212
## 182 0.0377623052 0.0467337158 0.006570508 -7.528327e-02 0.0524909671
## 183 0.0303617570 0.0425899480 -0.042242744 -3.435346e-03 -0.0724586627
## 184 0.0387536749 -0.0256362363 0.062596249 2.705105e-02 -0.0706080673
## 185 0.0500039669 0.0425256306 -0.059240157 -2.227008e-02 -0.0040142749
## 186 -0.0358288603 -0.0627011223 0.020233829 -2.958077e-02 -0.0834562412
## 187 0.0530512212 -0.0032906959 0.025016957 -8.400456e-02 -0.0018946432
## 188 0.0115676974 -0.0976957029 -0.021208511 -2.255507e-02 -0.0102033519
## 189 0.0027542467 0.0131145736 -0.038230381 4.905421e-02 0.0372391600
## 190 -0.0211129912 0.0243895035 0.009676099 -3.640781e-02 -0.0269992218
## 191 0.0050956848 0.0565241924 0.011153652 1.091640e-03 0.0331822226
## 192 -0.0464628790 0.0255210696 0.084037326 1.215934e-02 0.0209920995
## 193 0.0973485118 0.0358403116 -0.006577425 1.970174e-02 0.0281052689
## 194 0.0479350625 -0.0617175253 0.020422976 -2.967705e-02 -0.0933831473
## 195 0.0457508117 -0.0040606660 -0.076236474 1.758459e-02 -0.0261233734
## 196 -0.0002097480 0.0317413357 -0.019124896 -8.222353e-03 0.0386178512
## 197 0.0634720633 0.0393657849 0.013322511 5.183562e-02 -0.0169194541
## 198 0.0522410226 0.0095574825 -0.076985587 -1.948845e-02 -0.0223163461
## 199 -0.0261398813 0.0794848074 -0.041043098 7.203986e-02 0.0873379229
##          V391          V392          V393          V394          V395
## 1 0.0462336653 -0.0241630896 -0.012189733 0.0186228631 -3.369945e-02
## 2 0.0262851374 0.0702567895 -0.095204814 0.0547848626 -9.692621e-04
## 3 -0.0581226006 -0.0056687378 -0.025203230 -0.0056926645 5.814495e-02
## 4 -0.0366515232 -0.0058874308 -0.004662766 0.0215940079 4.072534e-02
## 5 0.0001813902 0.0692761867 0.055779795 -0.0084159256 2.358344e-02
## 6 0.0218511967 -0.0443641998 0.070985828 -0.0047122499 4.709625e-02

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## 7	-0.0240733265	0.0024570910	-0.005312004	-0.0525862342	-7.626925e-02
## 8	-0.0461367238	0.0430203654	-0.068642792	0.0575779613	2.814253e-02
## 9	-0.0215584539	-0.0096797777	-0.062209625	-0.0377781144	-2.410239e-03
## 10	0.0380572031	0.0704224049	-0.025824879	0.0152966523	7.355027e-02
## 11	0.0272863211	-0.0061255182	0.075404399	0.0164205020	-5.020423e-02
## 12	0.0161912916	0.0137684590	-0.003218194	-0.0207541919	3.922275e-02
## 13	-0.1046304736	-0.0172986929	-0.011792252	0.0011669131	-1.504777e-03
## 14	-0.0178601905	0.0036340451	-0.007734188	0.0135181558	4.571379e-02
## 15	-0.0135537731	0.0452285122	0.027142267	0.0437539549	-2.795346e-02
## 16	-0.0024235825	0.0362198026	-0.036227252	0.0351428014	3.119748e-02
## 17	-0.0037786832	0.0196737304	0.037900256	0.0182444183	-3.116751e-02
## 18	0.0197715516	0.0063017277	-0.003841563	-0.0322800076	-5.352489e-02
## 19	-0.0436241389	0.0878623319	0.018082605	0.0090964747	-9.041878e-03
## 20	0.0480099950	0.0678740652	-0.023459782	0.0145892617	-4.141724e-02
## 21	0.0414243362	0.0230287467	0.031896708	-0.0265826399	1.753556e-02
## 22	0.0059623028	0.0366888577	-0.040691214	-0.0272650334	-2.562502e-02
## 23	0.1182517727	0.0139924022	-0.070319039	0.0194122729	-8.621249e-03
## 24	-0.0078888196	-0.0287965310	0.019784660	-0.0291480979	-6.417309e-02
## 25	0.0415084551	-0.0198853516	-0.049782462	-0.0733226174	-6.918000e-02
## 26	0.0044262894	-0.0290617587	-0.049242201	-0.0322615606	4.299624e-02
## 27	-0.0135283902	-0.0507137200	0.081402124	0.0318860125	-2.439772e-02
## 28	0.0249611336	0.0072995927	0.019740072	-0.0473478947	-1.504449e-02
## 29	0.0498354377	0.0489738869	-0.004735646	0.0233483623	4.725625e-03
## 30	0.0557562386	-0.0475564892	0.054601011	-0.0181860530	-1.350831e-02
## 31	0.0508793283	0.0002308085	-0.042879273	0.0025004334	-4.061651e-02
## 32	0.0227588266	-0.0019661287	-0.018456380	0.0461132808	2.982951e-02
## 33	-0.0472971825	-0.0332619127	-0.041752943	-0.0129170361	6.561641e-03
## 34	0.0268807103	0.0101300213	0.083740364	0.0205497620	1.007387e-01
## 35	0.0136056191	-0.0550342969	-0.026309511	-0.0107383958	-2.513446e-02
## 36	-0.0132721275	-0.0853978643	0.011193789	0.0075901048	7.087362e-02
## 37	-0.0202242933	0.0190798466	-0.148632719	-0.0442211221	4.784366e-03
## 38	-0.0527518299	-0.0422015315	-0.027275199	-0.0203720158	5.519783e-02
## 39	-0.0796614262	0.0618604071	-0.005175939	0.0123271347	2.399787e-03
## 40	-0.0154713344	0.0116569429	0.039985779	-0.0480356342	-2.747953e-02
## 41	-0.0529143656	0.0159239779	0.035241763	0.0194352890	-6.599078e-02
## 42	-0.0103331422	-0.0186353767	0.047082895	0.0310537513	-8.752347e-02
## 43	-0.0281478004	-0.0407142985	-0.029091139	-0.0246635066	2.628587e-02
## 44	0.0261762521	-0.0726836129	0.002130402	-0.0149243449	6.748846e-02
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## 46	0.0160763343	-0.0168529852	0.096997519	-0.0532106251	1.521846e-01
## 47	-0.0212589045	0.0496604906	-0.025150377	-0.0125185671	7.813085e-02
## 48	0.0064552361	0.0103940405	-0.028731006	-0.0193716958	-8.321678e-03
## 49	0.0358675402	-0.0139524837	-0.032914396	-0.0390024963	3.134529e-02
## 50	0.1155694272	0.0066694582	0.002366406	-0.0151422017	-1.736096e-02
## 51	-0.0204083043	-0.0256909281	-0.030335484	0.0833773039	8.306664e-02
## 52	0.0520946202	-0.1002670982	0.021442604	-0.0358731172	7.449797e-02
## 53	0.0138718125	-0.0112974053	-0.037598390	-0.0187331799	-6.065535e-02
## 54	-0.0177004549	-0.0249272363	0.020311787	-0.0102839686	-3.617517e-02
## 55	-0.0497616701	0.0424926378	0.002726429	0.0272755110	3.249937e-02
## 56	-0.0081749285	0.0629594939	-0.098352774	0.0346031063	3.058573e-02
## 57	-0.0810274073	0.1106063779	-0.050808090	-0.0339541448	6.675914e-05
## 58	0.0291929418	0.0328501273	0.024764148	-0.0777829231	-3.135472e-02
## 59	0.0121132769	0.0652628777	-0.011766063	0.0609188941	-4.950165e-02
## 60	-0.0150052232	-0.0408077574	0.055745390	0.0003382049	5.882509e-02

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## 61 0.0110499762 -0.0346792348 0.002851792 0.0285317714 2.091937e-02
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## 63 0.0049968219 0.0193903974 0.003736344 0.0091675734 -7.762298e-03
## 64 -0.0015160145 0.0553339801 -0.040169573 0.0041448417 -4.012108e-03
## 65 -0.0169701401 0.0855151381 -0.028851435 0.0361559674 4.498284e-02
## 66 -0.0038958697 0.0509217954 0.048588221 0.0445454766 -4.476655e-02
## 67 -0.0092717704 -0.0200046804 -0.062175576 0.0001328705 -8.233835e-02
## 68 -0.0144459276 -0.0197392053 -0.077771960 -0.0263872374 -5.768152e-02
## 69 -0.0156075456 0.0085839634 0.005305852 -0.0663155290 -3.094190e-02
## 70 0.0682489519 -0.0065084590 -0.067819156 -0.0516734805 5.417269e-02
## 71 -0.0488465856 0.0254076944 0.005742096 -0.0980122245 5.133880e-02
## 72 0.0473474817 0.0349925286 -0.028480482 0.0721847003 -4.044205e-02
## 73 0.0245248582 0.0015163459 -0.015104629 -0.0545619644 4.715843e-02
## 74 0.0296909984 -0.0593402913 -0.081132981 -0.0055787265 -5.683509e-04
## 75 0.0137937102 -0.0265767648 0.047289604 0.0272828404 -1.235122e-02
## 76 -0.0364106407 -0.0662506259 0.001371507 -0.0674751622 1.174426e-01
## 77 -0.0183212466 -0.0618479713 0.006574933 0.0108583712 -6.833522e-03
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## 140 -0.0863780369 -0.0067368059 0.036606299 0.0009683283 5.383354e-02
## 141 0.1600252448 -0.0453983831 -0.074228014 0.0497390912 -3.615629e-02
## 142 -0.0739044134 -0.0464889229 -0.022041425 0.0122487158 -5.243676e-02
## 143 -0.0147892479 0.0357397179 0.002332294 -0.0417365325 -2.858244e-02
## 144 0.0413849725 0.0923095141 0.065925429 -0.0338678301 8.425091e-02
## 145 0.0598716190 0.0204714538 -0.022368324 -0.0295591414 -8.371009e-03
## 146 0.0270011568 -0.0195494852 -0.024279857 0.0475405717 4.531372e-02
## 147 0.0010649229 0.0455851573 -0.030479925 -0.0628398803 -5.386652e-02
## 148 -0.0420151650 0.0366550094 0.037912482 -0.0133827542 5.658320e-03
## 149 -0.0519687367 -0.0286270009 0.036291261 0.0045441469 7.702334e-02
## 150 -0.0168743523 0.0522650400 -0.086972904 0.0590375996 -3.992121e-02
## 151 -0.0035356029 0.0302759536 0.003390569 0.0193389827 3.282074e-04
## 152 0.0005538971 -0.0443520393 0.006855297 -0.0107985782 -3.796189e-02
## 153 0.0042271374 -0.0081243844 0.010507303 0.0164692429 5.156711e-02
## 154 0.0015505571 0.0253066426 0.030106121 0.0303607195 2.387915e-02
## 155 -0.0953952035 -0.0171425793 -0.078781479 -0.0079122833 2.330473e-02
## 156 0.0532566149 0.1569552769 -0.006595221 0.0244038380 -4.235349e-02
## 157 0.0072658610 0.0578934329 0.077665400 -0.0120844826 -7.039669e-02
## 158 0.0599277986 -0.0442263062 0.006586845 -0.0376655444 -5.480382e-03
## 159 -0.0226311904 0.0054199170 -0.109230569 0.0488096549 -7.280719e-03
## 160 0.0013879003 -0.0781104877 0.006624890 -0.0648733647 7.145820e-03
## 161 0.0023886655 0.0289575501 -0.082952697 -0.0127953311 -1.213819e-02
## 162 -0.0068689347 0.0460950510 0.024935166 -0.0209914186 -6.465553e-02
## 163 -0.0120985016 -0.0634342514 0.009833914 0.0155896143 6.215183e-02
## 164 0.0013232280 0.0499442734 0.012480478 0.0879870043 1.749507e-02
## 165 0.0616798804 -0.0072115446 0.072383334 0.0007367734 -3.505338e-03
## 166 0.0350081092 0.0012082684 -0.074878966 0.0119410436 -3.534286e-02
## 167 -0.0137245170 -0.0596268080 -0.055766654 0.0092009223 -4.192491e-02
## 168 0.0129529507 -0.0530780243 -0.007257084 0.0648011163 3.812615e-02

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## 169	0.0205519032	-0.0344226623	0.145960132	-0.0469595237	1.702984e-02
## 170	-0.0313251422	0.0378789911	0.043585740	-0.0053198066	-4.037003e-02
## 171	0.0451768645	-0.0818280595	0.020223224	-0.0195918746	-8.043071e-04
## 172	0.0807426571	0.0290102296	-0.079690477	0.1299352475	1.624830e-03
## 173	-0.0073210424	0.0171484307	0.045054721	-0.0541496655	-6.084067e-02
## 174	-0.0477913050	-0.0256130841	0.029222695	-0.0706977625	-2.423292e-02
## 175	-0.0561244330	-0.0356802581	0.062103581	-0.0010549016	-4.339953e-02
## 176	-0.0345898099	0.0037508407	0.002581595	-0.0187854880	8.727457e-02
## 177	0.0555846057	-0.0343986175	0.015778887	0.0524434529	-2.053501e-02
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## 179	-0.0284166446	0.0838913782	0.099418338	-0.0165243188	-3.179109e-02
## 180	-0.0560095873	-0.0243928604	0.022520607	0.0185056850	-5.060788e-03
## 181	-0.0251632630	0.0286386556	0.054801655	0.0197929752	1.881658e-02
## 182	-0.0103971870	0.0072989465	0.009595257	0.0057450623	-3.639091e-02
## 183	0.0483100665	0.0343424667	0.043776066	0.0323459059	1.714481e-02
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## 189	0.0394979235	-0.0076123730	0.024667864	0.0163145962	-1.546637e-02
## 190	0.0227521267	-0.0006831746	-0.014089119	-0.0664585523	-2.371679e-02
## 191	0.0101223522	0.0572606655	-0.043787674	0.0409261482	2.943541e-02
## 192	0.0537644802	-0.0107277168	0.017198390	-0.0099464692	-3.273556e-02
## 193	0.0500517875	-0.0125522458	-0.052661041	-0.0179654036	2.023585e-02
## 194	-0.0318291573	-0.0026852432	0.035629851	-0.0174520082	1.008382e-02
## 195	-0.0017249528	-0.0769339976	0.003755500	-0.0412713823	5.911651e-03
## 196	-0.1070324628	0.0033156983	-0.018700511	0.0334227705	-5.774032e-02
## 197	-0.0462789828	0.0691358265	-0.036010165	0.0158991834	-5.918118e-03
## 198	0.0904411883	0.0732546499	-0.029749787	-0.0204600877	-1.285296e-01
## 199	-0.0003475426	-0.0354535172	0.015087944	0.0766835606	4.831882e-04
##	V396	V397	V398	V399	V400
## 1	0.0047658081	0.0083129259	-0.0279531723	-0.0158350845	-1.873881e-03
## 2	-0.0553229626	0.0084551932	-0.0123104469	0.0150401395	1.858314e-02
## 3	-0.0043698903	0.0140178205	-0.0041599166	0.0771108251	4.159368e-02
## 4	0.0306962014	-0.0542089666	-0.0357451853	0.0577950692	1.089787e-01
## 5	-0.0132559469	-0.0319548110	-0.0119188745	-0.0665377573	9.992657e-02
## 6	0.0321502097	-0.0214631871	0.0698655951	-0.0444752191	-3.962210e-02
## 7	0.0634978811	0.0160177518	0.0284525896	0.0659981960	-3.507222e-02
## 8	0.0384806884	-0.0628954351	0.0202176323	0.0483461366	-2.705307e-03
## 9	0.0368642203	0.0013418574	0.0337218185	-0.0509235499	-1.681393e-02
## 10	-0.0398326624	0.0682605406	-0.0360231230	-0.1044301007	-3.007029e-02
## 11	-0.0046744936	0.0035466014	0.0226372645	0.0186417808	3.482462e-02
## 12	0.0280984277	-0.0300387639	0.0038316641	0.0362671322	-4.738762e-02
## 13	-0.0335258640	-0.0118752668	-0.0012216862	-0.0713561338	-3.231229e-02
## 14	0.0018322072	-0.0211166604	-0.0104673369	0.0315325063	-1.677006e-02
## 15	-0.0018006736	0.0253097872	-0.0708104807	-0.0897923048	5.955932e-02
## 16	0.0648837869	-0.0205063437	-0.0389813558	0.0149243041	-9.864192e-02
## 17	0.0063483607	-0.0311203255	-0.0080009318	0.0692688805	-3.955752e-02
## 18	0.0817748762	0.0754700819	-0.0079718020	-0.0917243828	9.261778e-03
## 19	-0.0617680607	0.0050606725	0.0688026685	0.0035187856	3.916562e-02
## 20	-0.0338303866	-0.0335814665	-0.0578102891	0.0908585168	-2.669613e-02
## 21	0.0329365954	0.0635629850	0.0568845213	-0.0130706285	3.231615e-02
## 22	-0.0455351869	0.0332744236	0.0633188947	-0.0154285171	9.901973e-03

## 23	0.0783598705	0.0399040499	-0.0429007320	0.0442570268	1.000943e-01
## 24	0.0213699401	-0.0465426494	-0.0164797563	-0.0167231826	-1.132876e-01
## 25	0.0634011849	-0.0663019490	0.0482110636	-0.0321548221	3.610630e-02
## 26	0.0329533783	0.0123284138	-0.1214655074	0.0471529594	-5.631659e-02
## 27	0.0850715924	-0.0858618406	0.0264306665	0.0263141586	1.386026e-02
## 28	-0.0574621861	0.0265074197	-0.0096333169	0.0018987828	-1.540696e-02
## 29	0.0041006978	0.0466793064	0.0325976011	0.0331075187	-2.594294e-02
## 30	-0.0063344218	-0.0343494444	-0.0261378391	-0.0408141067	1.966709e-02
## 31	0.0491487998	-0.0820825250	-0.0091854779	0.0001101477	2.857228e-02
## 32	-0.0316440155	0.0185455210	-0.0040387896	-0.0127595125	-1.372098e-03
## 33	0.0146316351	-0.0040889990	0.0654847486	-0.0088378141	5.590967e-02
## 34	-0.0168222071	-0.0045250118	-0.0445431348	0.0215328204	-1.433328e-02
## 35	0.0205854864	0.0416040914	-0.0004284313	-0.0129167037	3.529136e-02
## 36	0.0426108811	-0.1174937118	0.0701733459	-0.0395564937	6.294886e-03
## 37	0.01711109105	0.0087816343	-0.0045006845	0.0871505770	-2.189708e-02
## 38	-0.0313925798	-0.0083246265	0.0108997528	-0.0005390939	2.256573e-02
## 39	-0.0331436576	0.0685506162	-0.0786864976	-0.0294696819	-3.902220e-02
## 40	0.0400550326	-0.0121406129	0.0385613269	0.0080029943	-4.210466e-02
## 41	0.0603262309	0.0206087719	-0.0121668517	-0.0037322719	2.652528e-02
## 42	0.0269722750	-0.0060313708	-0.0029922110	-0.0022929748	1.981091e-02
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## 44	0.0011722162	-0.0843708339	-0.0375051376	0.0683037942	2.944199e-02
## 45	-0.0002120629	0.0334110090	0.0322662641	-0.0290450299	-2.707910e-03
## 46	0.0403225271	-0.0329219352	-0.0457220128	0.0407816763	-1.842048e-02
## 47	-0.0043016038	-0.0618038285	-0.0044216489	0.0230740944	2.486989e-02
## 48	-0.1232372510	0.0776204759	0.0531016259	0.0274927646	1.168735e-02
## 49	0.0223491986	-0.0055043588	-0.0454197526	0.0316826178	-7.387264e-02
## 50	-0.0129149607	-0.0011030680	-0.0072066852	-0.0524021563	-6.868130e-02
## 51	0.0123185207	0.0221106131	0.0051098700	-0.0270760791	-6.699242e-03
## 52	-0.0569461233	0.0594845201	-0.0449868685	-0.0022734494	5.134742e-02
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## 58	-0.0110902102	0.0183426551	-0.0069955596	0.0222407642	-7.340792e-05
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## 78	0.0793719345	0.0495390649	-0.0621328537	-0.1082769388	7.314031e-02
## 79	-0.0433182373	-0.0513335051	-0.0378418821	-0.0970481113	4.218538e-03
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## 82	-0.0454397446	-0.1392035658	0.0354512606	-0.0494918561	2.068169e-02
## 83	-0.0612326799	0.0107771606	-0.1227406299	0.0026337994	4.058283e-02
## 84	0.0318506167	-0.0131594697	-0.0027669635	0.0231333105	2.887191e-02
## 85	-0.0067331985	-0.0637840258	0.0105494208	0.0415430922	3.359196e-02
## 86	0.0656728137	-0.0392708655	-0.0245197195	0.0378744092	-6.008340e-02
## 87	-0.0332220297	0.0022721006	0.0003138659	0.0896728000	3.779536e-02
## 88	-0.0339023357	-0.0317080168	0.0409167231	-0.0380692606	-3.472751e-03
## 89	-0.0117806762	0.0501611446	-0.0071273767	0.0027957930	-3.428100e-02
## 90	-0.0766944085	0.0231605489	0.0167755624	0.0644950426	-6.225189e-02
## 91	0.0817381998	-0.0202198951	-0.0496542987	-0.0108522603	6.492891e-02
## 92	0.0163816027	0.0621180962	-0.1225367372	-0.0177408261	-2.512440e-02
## 93	-0.0784788131	-0.0937598147	0.0015466363	-0.0467438284	6.859190e-02
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## 95	0.0622532588	-0.0135937130	-0.0338780536	-0.0084003531	4.972213e-03
## 96	0.0468032650	-0.0859842177	0.1141878909	-0.0927505604	4.318773e-02
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## 131 0.0024766943 -0.0425141294 -0.0614419371 0.0973156920 5.433852e-02
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## 169 -0.0423096861 -0.1033366817 -0.0232541522 0.0466716182 2.900216e-03
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## 180 -0.0075057500 0.0614394901 0.0435955198 0.0031645580 5.637966e-02
## 181 -0.0429806759 -0.0571395102 0.0062025562 -0.0129558364 2.383853e-03
## 182 0.0080131602 0.0327250749 0.0130639294 0.0018815595 -2.726358e-02
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## 184 0.0158259488 0.0307216717 0.0189343739 -0.0209122982 -4.412347e-02

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## 185	-0.0762446594	0.0091787520	0.0526503919	0.0959105726	8.137456e-02
## 186	-0.0348238615	-0.0205649105	0.0102798836	0.0046596312	-1.358638e-02
## 187	0.0480520282	0.0424026997	-0.0222003579	-0.0225829056	1.032929e-02
## 188	-0.0396481816	-0.0199972163	0.0261977863	-0.0312644768	-1.046524e-02
## 189	-0.0272186820	-0.0309858919	0.0790201238	-0.0526765937	-2.605756e-03
## 190	-0.0634375701	-0.0717623242	0.0346690330	0.0275242555	4.056088e-02
## 191	-0.0028314691	-0.0031549713	-0.0228822400	-0.0674857689	1.674556e-03
## 192	0.0484264704	-0.0594338634	0.0273872492	0.0068676766	-3.132029e-02
## 193	0.0282667788	-0.0460267100	0.0387880798	0.0499677656	-1.329043e-02
## 194	0.0110072758	-0.0689874487	0.0501926677	-0.0031216572	-6.192965e-02
## 195	0.0026432912	-0.0351460313	0.0294117677	-0.0908174602	7.304914e-04
## 196	0.0479893703	-0.0250928739	0.0659903277	-0.0825674744	2.286045e-02
## 197	0.0544710935	0.0510621522	0.0288761396	-0.0047541757	1.033995e-01
## 198	-0.0106104350	0.0356789818	-0.1178893549	-0.1160035068	6.545074e-02
## 199	0.1035971910	-0.0201757955	0.0836281953	0.0811401560	6.486780e-03
##	V401	V402	V403	V404	V405
## 1	0.0253825467	-0.0370660413	0.1524239083	-0.0071960527	0.0908674891
## 2	0.0210776233	-0.0556363440	-0.0299865512	0.0631382912	0.0287028763
## 3	-0.0495718934	-0.0762926807	0.0092420732	0.0348272193	0.0319025711
## 4	0.0573396872	-0.0118357971	0.0435914637	0.0378062054	-0.0029849034
## 5	0.0620309904	0.0360382899	0.0602820345	0.0303343611	0.0906423154
## 6	-0.0436261676	-0.0462969175	-0.0050856259	0.0495543330	0.0239527713
## 7	-0.0107603428	-0.0401274503	0.1165947795	-0.0051118017	-0.0471789418
## 8	-0.0666369721	0.0240762456	0.0658215538	-0.0385027095	-0.0144534543
## 9	0.0097845759	0.0080798821	0.0753977810	-0.0118878396	0.0807970446
## 10	0.0032980242	-0.0428263578	-0.0025135171	-0.0024233960	0.0050977835
## 11	0.0384061205	0.0571046519	0.0498413130	0.1093911021	0.0237172163
## 12	0.0290049334	-0.0141435064	0.0777077374	-0.0104645665	-0.0458698831
## 13	-0.0409073318	0.0535582431	-0.0547738310	0.0386605699	-0.0004130293
## 14	-0.0510161170	-0.0450786182	0.0090779741	-0.0273454114	0.0249105484
## 15	-0.0576729099	0.0440585047	-0.0489462317	-0.0095954781	0.1024085168
## 16	-0.0033417780	-0.0354378672	0.0215230566	-0.0443844715	-0.0340250791
## 17	-0.0065515738	-0.0352253298	-0.0227005595	-0.0405798428	0.0606330156
## 18	-0.0572501300	0.0055036765	-0.0135670752	0.0249018852	0.0570036852
## 19	0.0017965245	-0.0279384364	0.0299956064	0.0255926107	0.0200578091
## 20	-0.0959530213	-0.0278446782	0.0403937484	-0.0161076934	-0.1079131815
## 21	0.1024193479	0.0265735727	0.0543162942	0.0579268769	-0.0883831053
## 22	-0.0005571767	0.0138201230	-0.0918345165	-0.0590314824	0.0303895347
## 23	-0.0136491677	0.0131528016	0.0017011552	0.0202608675	0.0204241856
## 24	0.0178233706	-0.0657539690	0.0460820733	0.0225882426	-0.0121987882
## 25	-0.0207069663	0.0758018159	-0.1133016524	-0.0052023970	-0.0099730109
## 26	-0.0122810409	0.0552623852	0.0315974557	-0.1709883589	-0.0475238243
## 27	-0.0323339905	-0.0422744257	-0.0205980924	0.0764291301	-0.0104654357
## 28	0.0462849930	-0.0008438257	0.0449203918	-0.0298033380	-0.0613403662
## 29	-0.0387811022	-0.0126770399	0.0008555278	0.0459017876	0.0674635593
## 30	0.0250333976	-0.0308386382	-0.0226099905	0.0443882956	0.0133872941
## 31	-0.0680207931	0.0953750961	-0.0093120978	0.0587063466	0.0077477909
## 32	0.0411109126	0.0009839244	-0.0349096974	-0.0724201455	0.0451337108
## 33	-0.0040254822	-0.0406139801	-0.0662526799	0.0261705089	0.0213559473
## 34	-0.0244593116	-0.0734782954	0.0155393107	-0.0165146672	0.0429406549
## 35	-0.0050363079	0.0172969803	0.0520752270	-0.0723316084	-0.0531883914
## 36	-0.0079970207	0.0114186798	0.0170756992	0.0614856558	-0.0121005145
## 37	0.0560696536	-0.0582658140	0.0060204032	-0.0235958608	0.0357410116
## 38	-0.0321157818	-0.0050207497	-0.0286773933	0.0097470583	-0.0147767890

## 39	-0.0418034191	0.0226192675	0.0099972457	0.0342115464	0.0100250730
## 40	-0.0024470782	-0.0202848028	0.0023305892	-0.0422831636	-0.0131301407
## 41	0.0001576029	-0.0174733768	-0.0071032889	-0.0098534501	0.0060839086
## 42	0.0233653304	0.0073587323	0.0188038954	-0.0118937740	-0.0158213194
## 43	0.0588546609	-0.0108711302	0.0335530077	-0.0085873663	-0.0133913108
## 44	0.0625652017	0.0277424435	-0.0595461548	0.0219182862	0.0743054653
## 45	-0.0283168904	0.0649171449	0.0391357142	0.0391225173	0.0279777674
## 46	-0.0427770093	0.0623701591	-0.0008051235	0.0429293507	0.0597447831
## 47	0.0585123317	0.0092130523	0.0557639064	0.0134748158	-0.0550069981
## 48	0.0217622346	0.0052420004	-0.0591834771	-0.0125097922	0.0724349509
## 49	0.0201489801	0.0412601312	-0.0716502414	-0.0923900544	-0.0430672214
## 50	0.0011662392	0.1065809516	-0.0479389672	-0.0394310622	0.0051289885
## 51	0.0040756158	-0.0355429015	-0.0283217677	-0.0756713245	0.0212956143
## 52	-0.0219693623	0.0283756976	0.0191725224	0.0547298596	-0.0037990204
## 53	-0.0617917698	-0.0193149989	-0.0702687868	0.0043351456	-0.0301575538
## 54	-0.0805571415	0.0571782462	-0.0173405504	-0.0030385987	-0.0138456573
## 55	-0.0702655035	0.0747932710	-0.0396660395	-0.0417091849	0.0036795560
## 56	0.0163447669	-0.0781364331	0.0436805017	0.0742579641	-0.0293176202
## 57	-0.1164763790	0.1227390804	0.0380960146	-0.0696180782	0.0471344663
## 58	0.0908124133	0.0168485422	-0.0233774149	-0.0248409211	0.0060385798
## 59	0.0692233061	-0.0449754539	-0.0793107602	-0.0515024057	0.0093410935
## 60	0.0826002232	0.0279037635	-0.0464789443	-0.0788318053	0.0014155741
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## 62	0.0033022199	-0.1267898717	-0.0007824539	0.0085937202	0.0077023962
## 63	-0.0410357974	-0.0004448826	-0.0372870656	-0.0566010374	0.0678764258
## 64	-0.0008673707	0.0710852968	-0.0226872261	0.0209857441	-0.0628817099
## 65	-0.0160127621	0.0520760569	-0.0555127305	0.0723322474	-0.0105278846
## 66	-0.0004141708	-0.0237852319	0.0556969347	-0.0043713756	-0.0229795880
## 67	-0.0063895720	-0.0227280744	-0.0276703515	-0.0449562583	0.0359800527
## 68	-0.0592406883	0.1053947771	0.0359437261	0.0339481845	-0.0587739600
## 69	-0.0166236484	0.0127593248	0.0005925347	0.0055255763	-0.0322696119
## 70	0.0099111851	0.0374384381	-0.0206907609	0.0033406908	0.0121539363
## 71	-0.0981021647	0.0081855789	0.0819143417	-0.0341796301	0.0866614361
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## 73	0.0610695398	0.0211825729	-0.0456883019	0.0298928035	0.0024783024
## 74	0.0289589319	-0.0020230655	0.0402118044	0.0660808387	0.0374488808
## 75	0.0782804178	-0.0102198721	-0.0414374428	0.0544544587	-0.0169221763
## 76	0.0273570100	0.0199945762	-0.0048132464	-0.0794306334	-0.0048134600
## 77	-0.0163483372	0.1104297100	-0.0122256117	0.0989371448	0.0440104352
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## 79	-0.0545346434	-0.0158647509	-0.0083686959	-0.0044140943	0.0170593522
## 80	0.0569101782	-0.0432357620	-0.0454606370	-0.0396109610	-0.0358643306
## 81	-0.0314817955	0.0747250879	-0.0101242823	-0.0212767308	0.0648756832
## 82	-0.0353570928	0.0726091545	0.0065661526	-0.0420304768	0.0145462443
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## 84	0.0274815704	0.0037550054	0.0542349162	-0.0462243832	0.0581784252
## 85	-0.0103230407	-0.0374944204	-0.0871738756	-0.0177029086	-0.0418549282
## 86	0.0459598754	-0.0458675731	-0.0166340270	0.0435771570	-0.0368081902
## 87	-0.0078282570	-0.0306079978	0.0061438527	0.0117305013	0.0064974911
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## 89	-0.1024313893	0.0476756814	0.0107303734	-0.0297030007	-0.0209753859
## 90	-0.0374018090	0.0224156346	0.0657712004	-0.0635846948	-0.0123187015
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## 92	0.1355701916	0.0064152385	0.0303099541	-0.0014654127	0.0501697290

## 93	-0.0001315967	0.0218709020	-0.0797801802	0.0102327707	0.0001145085
## 94	-0.0804097997	0.0152196204	-0.0424931940	-0.0036852844	-0.0412250315
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## 97	-0.0242100850	-0.0820138356	0.0599488530	-0.0141461949	0.0077240147
## 98	0.1154351641	0.0207820787	-0.1183451170	0.0148328998	-0.0374505023
## 99	-0.0654577411	0.0554576938	-0.0445617094	0.0206701176	-0.0368956933
## 100	-0.0207199813	0.0235331384	-0.0018201656	-0.0458383836	0.0025206141
## 101	0.0251926450	-0.0592563413	-0.0126826540	0.0477901051	-0.0352506961
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## 107	0.1013831187	-0.0047455568	0.0188618773	-0.0123319154	-0.0395377391
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## 109	0.0028505428	-0.0203814732	0.0281031692	-0.0218718866	0.0188537112
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## 111	0.0712994113	-0.0403939412	-0.0077143550	-0.0528316626	-0.0543414838
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## 129	-0.0191383397	0.0413813395	-0.0202124845	-0.0512314630	-0.0175513728
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## 137	-0.0219900910	-0.0593947077	0.0664922276	-0.0710812207	-0.0359214696
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## 161	0.0840519354	0.0611783335	0.0606962164	0.0138613111	-0.0261484814
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## 172	0.0123455716	-0.0121630952	0.0171333438	-0.0069207435	0.1161465966
## 173	-0.0597214425	-0.0348685114	0.0254497924	-0.0011925600	0.0110316075
## 174	0.0065769213	0.0335439473	0.0308357267	0.0080481746	-0.0299749897
## 175	-0.0360960221	0.0009735232	0.0134372040	-0.0464522740	0.0324247269
## 176	-0.0011183766	-0.0828538596	0.0672114158	0.0655783386	0.0948655654
## 177	0.1069976636	0.0370670744	-0.0276279883	-0.0234343712	-0.0171683788
## 178	0.0398080165	-0.0501050491	-0.0055068722	-0.0656138859	-0.0434608592
## 179	0.0734818275	-0.0823992968	0.0030004672	-0.0588504014	-0.0181596059
## 180	-0.0227753744	-0.0112621133	0.0252129074	-0.0358098352	0.0497951334
## 181	0.0156205305	-0.0614361190	0.0083046817	-0.0666553101	0.0343122456
## 182	0.0191114126	0.0343755266	0.0460431692	-0.0166708465	-0.0085986027
## 183	0.0232210340	-0.0697971504	-0.0110443206	-0.0388749663	0.0429242865
## 184	-0.0390193603	-0.0361662970	0.0152264372	-0.1019591983	-0.0432493973
## 185	0.0950218817	-0.0610104481	-0.0034976708	-0.0047757737	-0.0464583348
## 186	-0.0297056113	-0.0073179682	-0.0149161627	-0.0123129978	-0.0385569398
## 187	-0.1120644552	-0.0379892825	-0.0373429788	0.0434747164	-0.0031934180
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## 189	-0.0289652060	0.0247729177	-0.0175771642	-0.0803332741	-0.0097513853
## 190	0.0154520095	-0.0486550850	0.0072894359	-0.0030625299	-0.0090453357
## 191	-0.0217665891	-0.0297439115	-0.0197747020	0.0276249004	-0.0448574286
## 192	-0.0124472129	0.0684397664	0.0224183444	-0.0345654878	0.0104439027
## 193	-0.0505357565	0.0115987880	0.0111788645	0.0059803334	-0.0328498276
## 194	-0.0135123485	-0.0126464153	0.0225866027	-0.0002405844	0.0088228595
## 195	-0.0423245632	0.0215192755	0.1009996703	-0.0397355645	0.1278770894
## 196	-0.0136481335	-0.1116005090	0.0382523295	-0.0288426483	0.0128134174
## 197	-0.0275454085	-0.0225263253	0.0365728177	0.0248576666	0.0241737867
## 198	-0.0269281930	-0.0252589060	-0.0001743112	-0.0813496285	-0.0012303421
## 199	0.0187884833	0.0344011809	-0.0564585508	-0.0097104594	0.0145005477
##	V406	V407	V408	V409	V410

## 1	-1.651983e-02	-0.0909715504	-0.0658669854	3.891391e-03	0.042811426
## 2	5.180064e-02	0.0452843472	0.0530146503	-7.205938e-03	0.005959448
## 3	-2.294911e-02	-0.0144550465	0.0456641052	-7.389122e-02	-0.011680046
## 4	4.947872e-02	-0.0251802537	-0.0081353585	6.811014e-02	0.019075351
## 5	-6.327287e-03	-0.0887136400	0.0074764582	2.753109e-02	0.016716182
## 6	-4.281564e-02	-0.0167067324	-0.1010759275	-4.756401e-02	-0.051629598
## 7	7.536243e-02	-0.0541130957	-0.0888011323	-4.882399e-02	-0.058992615
## 8	5.746338e-02	0.0518339480	0.0490961074	-9.880662e-02	-0.017293813
## 9	2.314014e-02	0.0077582106	0.0032723064	-4.707305e-03	0.009478244
## 10	1.939850e-02	0.0240932286	-0.0525093422	5.004484e-02	-0.023953415
## 11	2.162647e-02	-0.0501646814	-0.0872967941	6.576365e-02	-0.002145472
## 12	-8.410780e-02	0.0052879639	0.0285209265	2.403990e-02	-0.065911397
## 13	-7.661155e-02	-0.0594036794	0.0639232062	1.648257e-03	0.034818701
## 14	1.090664e-02	-0.0917720290	-0.0276190634	-2.388521e-02	-0.037545288
## 15	-2.560875e-02	-0.0252547738	0.0840272390	-6.247357e-02	0.003303661
## 16	4.662667e-02	0.0430216211	-0.0337110263	1.219443e-02	0.060788112
## 17	-7.374907e-02	0.0357590495	-0.0138962914	-6.217715e-03	0.060480666
## 18	-1.779880e-02	0.0249057399	0.0237954428	9.708461e-02	-0.002647625
## 19	-3.854674e-02	-0.0119523563	0.0866163105	6.865447e-03	-0.026350243
## 20	-1.185630e-02	0.0147571359	0.0634690795	1.487325e-02	-0.010838460
## 21	5.130068e-02	0.0218240098	-0.0015079291	-1.566573e-03	0.053343097
## 22	1.731605e-02	0.0264443987	-0.0916020385	4.829154e-02	0.012201092
## 23	3.077111e-02	0.0422317018	0.0215419406	-1.526502e-02	0.052769876
## 24	8.120769e-02	0.0722626211	0.0241434473	9.828074e-03	-0.057018613
## 25	1.815662e-02	0.0208253101	-0.0138822494	-4.653668e-02	0.013398660
## 26	1.750067e-02	0.0425004975	0.0161614603	-9.197552e-02	0.016290627
## 27	3.496552e-03	-0.0390405071	-0.0194066711	7.740045e-02	0.039377652
## 28	-7.886659e-03	0.0276176007	0.0534028502	4.556090e-02	-0.030054338
## 29	-5.191886e-03	-0.0135749320	-0.0431807483	-9.925414e-02	0.005239834
## 30	-4.990273e-02	-0.0294789436	-0.0355563078	4.353557e-02	0.022679762
## 31	-6.033834e-04	-0.0341818008	0.0081967198	-4.533959e-02	-0.046455210
## 32	5.173768e-02	-0.0173291437	-0.0177281101	-4.780585e-02	0.036339725
## 33	-2.131880e-02	0.0802664110	-0.0369943447	3.351990e-02	-0.011099101
## 34	-6.707511e-03	-0.0134484720	-0.0193350575	-5.372093e-05	-0.014367406
## 35	7.692164e-03	-0.0262508044	0.0333052747	-4.437703e-02	-0.095142259
## 36	-2.467339e-02	-0.0815219804	-0.0191855447	3.332167e-02	0.021991603
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## 138 -3.689236e-02 0.0027399708 0.0299483214 1.513250e-03 0.002301348
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## 169 3.881270e-02 -0.0425392887 -0.0079350249 4.109017e-02 0.054762617
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## 178 4.261253e-02 -0.0344163456 0.0383611578 -1.524743e-02 -0.016570411
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## 185 4.419930e-02 -0.0433348769 0.0002088104 1.949046e-02 0.038291957
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## 197 -1.655401e-02 0.0098350783 0.0530486917 6.090794e-02 0.014215097
## 198 5.388345e-02 -0.0212988511 -0.0519331379 5.512806e-02 0.037302131
## 199 -2.984651e-02 0.0063562865 0.0263167577 -7.778137e-02 -0.034494122
##      V411      V412      V413      V414      V415
## 1 -0.0406481999 0.0259890291 0.080722679 1.534574e-03 -0.0619925986
## 2 -0.0052491298 -0.0135817054 -0.003502265 -3.916629e-02 -0.0541223912
## 3 0.0174056262 -0.0898059166 0.038742424 -1.660620e-02 -0.0113282069
## 4 0.0359102070 0.0986041674 0.051793054 -7.372945e-02 -0.0054841391
## 5 -0.0492134308 -0.0467285808 0.021984213 6.429335e-03 0.0101496869
## 6 0.0910082762 -0.0127597882 -0.013441752 -3.354831e-02 -0.0971863284
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## 9 -0.0123794034 -0.0095994639 -0.031310446 -3.906906e-05 -0.0219483835
## 10 -0.0446482542 -0.0419150052 0.043171560 -1.096011e-02 0.0379582796
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## 17 -0.0410576069 -0.0136743172 -0.037238226 -9.091765e-02 -0.0049561503
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## 19 -0.0527938266 0.0273958820 -0.040722887 9.376775e-02 0.1218838078
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## 22 0.0149647282 -0.1076161842 -0.022229271 2.310075e-02 -0.0261568582
## 23 -0.0398961585 0.0019960793 -0.083178537 -2.422187e-02 0.0652796511
## 24 -0.0476534187 -0.0935309266 -0.027602366 -9.449271e-03 -0.0267489769
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## 26 0.0356876303 0.0521038108 -0.034302427 7.589757e-03 -0.0942314106
## 27 -0.0933131933 0.0370787257 0.082977899 1.919523e-02 -0.0065176484
## 28 0.0063216946 -0.0356417019 0.006760254 2.732910e-02 -0.0016619308
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## 44 0.0138453250 -0.0166580932 0.032659051 3.025684e-02 0.0554975232
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## 55 -0.0266068589 0.0693321582 0.025227147 4.788313e-02 -0.0470897710
## 56 -0.0483649226 0.0280306888 -0.055058794 2.062585e-02 0.0037136655
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## 60 -0.0189161489 -0.0672741009 0.001610375 -3.771622e-02 -0.0415494577
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## 68 0.0124351593 0.0472193956 0.078577462 2.718301e-02 0.0230035399
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## 71	0.0427953148	-0.0340210555	0.005407864	-5.527595e-02	0.0194197155
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## 73	0.0678083284	0.0577185009	0.021107506	6.330682e-02	-0.0173728782
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## 78	0.0091223687	-0.0445072147	0.026699863	1.261751e-02	-0.0348964686
## 79	-0.0722511028	-0.0943574135	-0.012741266	1.601517e-02	0.0307869644
## 80	0.0042746364	-0.0589187702	0.071523275	1.792204e-03	-0.0353115631
## 81	-0.0289129006	-0.0161441557	-0.027469274	2.468040e-02	-0.0359349853
## 82	-0.0124739710	0.0130207842	-0.010752432	3.793430e-02	-0.0415639175
## 83	0.0660203929	-0.0206418779	0.060610809	-1.896309e-02	-0.0967161164
## 84	0.0492137084	0.0070573207	0.043222062	5.956124e-02	0.0600514788
## 85	0.0432285145	0.0439853386	0.032313840	6.183418e-02	0.0418556661
## 86	0.0073788738	0.0023368114	0.016866485	-3.942195e-02	0.0224654972
## 87	0.1102264509	-0.0177720707	-0.020659892	1.586437e-02	-0.0753565112
## 88	-0.0312934413	0.0658372765	-0.030744177	4.335106e-02	0.0012971660
## 89	-0.0985710404	0.0520359178	0.034605901	3.520267e-02	0.0477884725
## 90	-0.0072593486	0.0572991554	0.038044179	3.786690e-02	-0.0094184622
## 91	-0.0053723735	-0.0153693583	0.007844123	4.895055e-03	-0.0610281597
## 92	0.0145693466	0.0602589071	0.041678755	-2.239095e-02	0.0558512591
## 93	0.0411739831	0.0097395202	-0.070228026	2.570878e-02	0.0051271708
## 94	-0.0039922682	0.0069647567	0.045807975	2.360587e-02	-0.0073157274
## 95	-0.0352510767	0.0454520327	-0.077402243	-1.762650e-02	0.0425160113
## 96	-0.0580693360	-0.0280077985	-0.057070526	5.344388e-03	-0.0144654790
## 97	-0.0507408379	0.0765715701	-0.091239218	-1.115847e-03	0.0482688851
## 98	-0.0203399216	-0.0081198322	0.063501073	-2.546730e-02	0.0466280817
## 99	-0.0093885873	0.0644907677	0.020830822	-2.946568e-02	0.1020830732
## 100	0.0296397007	0.0134908893	-0.011449556	-3.110391e-02	0.0182600746
## 101	-0.0292092418	-0.0010046537	-0.003455458	-3.959361e-03	0.0063264419
## 102	0.0300237220	-0.0336486122	0.053729078	1.140986e-03	0.0310765096
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## 104	0.0649872907	-0.0706589845	-0.041887013	-1.767417e-02	-0.0477765103
## 105	-0.0362512975	0.0363965033	-0.023914977	-5.741022e-04	0.0547492149
## 106	-0.0654714203	0.0092877084	-0.003406465	-8.985713e-03	-0.0017254421
## 107	-0.0629845756	-0.0435968866	-0.013137697	3.724367e-02	0.0274105010
## 108	0.0592029342	-0.0069192095	-0.048180219	2.094258e-02	0.0399638765
## 109	0.0245871105	-0.0195080970	0.017904877	3.923409e-02	0.0056547288
## 110	-0.0286011131	0.0336274899	0.013318575	-2.419102e-02	0.0379824004
## 111	-0.0150794343	0.0617337831	-0.042586285	4.837063e-02	0.0601817226
## 112	0.0314626405	0.0236098548	0.005358464	-2.377117e-02	-0.0023326688
## 113	-0.0437684145	-0.0268320945	-0.029971730	-6.551626e-02	0.0257432298
## 114	-0.0794980945	0.0469049669	-0.041922994	-1.224605e-02	0.0696475971
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## 116	0.0277906080	-0.0554105527	-0.052072093	-6.144222e-03	0.0503995483
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## 120	0.0173927900	-0.0244949440	0.045854037	-4.249810e-02	-0.0006740748
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## 140 -0.0065575523 -0.0322618166 0.042169312 9.403607e-02 0.0559969354
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## 170 0.0277115132 0.0574970474 -0.002206669 -9.259480e-02 0.0648747004
## 171 0.0702955461 0.0103327011 -0.017486249 6.491685e-02 -0.0469286288
## 172 -0.0126780340 -0.0142099629 -0.039364481 3.381626e-02 0.0018169908
## 173 0.0978541269 0.0286254912 -0.005457132 3.740293e-02 0.0100629443
## 174 0.0181646849 0.0053743466 -0.008007221 -1.212246e-01 -0.0415597734
## 175 0.0326083869 -0.0286096148 0.001071499 5.254329e-03 0.1077526025
## 176 -0.0404763817 -0.0126879412 -0.018245800 4.764165e-02 0.0289076954
## 177 -0.0847042974 0.0074831464 0.011948461 -1.589558e-02 0.0086998811
## 178 -0.0203819342 0.0331219119 0.112402951 5.785449e-02 0.0029112306

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## 179	-0.0360986678	-0.0338622420	-0.017600490	-5.405259e-02	0.0038920256
## 180	0.0174434166	-0.0641543560	0.004358213	3.809286e-02	0.0272450513
## 181	-0.0158511320	-0.0142215202	0.114329207	6.326103e-02	0.0221791790
## 182	0.0661687807	-0.1327452938	0.038521872	4.588068e-02	0.0527610725
## 183	-0.0246798012	-0.0788626170	0.028148291	1.336184e-02	-0.0184043876
## 184	-0.0143826347	0.0277364287	-0.043832120	-2.828801e-02	0.0255341798
## 185	-0.0237832714	0.1018085763	-0.017314855	5.425278e-02	0.0466300625
## 186	-0.0410831100	-0.0080385199	0.007924014	-8.383033e-03	-0.0431762375
## 187	0.0357381321	0.0227840259	-0.013483128	7.131906e-02	-0.0603486770
## 188	-0.0226623360	0.0301194851	-0.024409167	-6.931213e-02	0.0301998070
## 189	-0.0252183960	0.0303823682	0.021020915	-3.128149e-02	0.0249290402
## 190	-0.0104194917	-0.0230102578	0.059807016	1.073102e-01	0.0325524820
## 191	0.0843165194	0.0364801778	0.033506285	9.948383e-03	-0.0215042671
## 192	-0.0541364638	0.0085821091	0.022712195	-6.048733e-02	0.0426787302
## 193	0.0404126882	0.0624412006	0.003440017	8.032009e-02	-0.0011244181
## 194	-0.0816066713	-0.0729479703	-0.038844310	-5.831255e-03	-0.0005116639
## 195	0.0245925255	-0.0320392608	0.058087427	-4.497483e-02	-0.0856636000
## 196	-0.0802835776	-0.1043268615	0.074791570	-4.825003e-02	-0.0181807772
## 197	0.0037497965	0.0061765894	-0.083171092	1.081870e-01	0.0187361688
## 198	0.0397147685	0.0355000060	0.002012271	-5.253858e-03	-0.0225816384
## 199	0.0492207759	-0.0744925051	0.007789598	-1.669095e-02	0.0233590196
##	V416	V417	V418	V419	V420
## 1	0.0122252808	0.0111275611	-0.0158492743	-0.0583386764	-0.0047072034
## 2	-0.0572920600	-0.0023825077	-0.0284541843	0.0567658364	0.0657673238
## 3	0.0348606099	-0.0515708149	-0.0206695654	0.0617131977	-0.0682251859
## 4	-0.0095589168	0.0260548979	0.0332974206	0.0535631216	-0.0378387653
## 5	-0.0222132057	0.0020326745	-0.0063905034	0.0092702189	-0.0192130294
## 6	-0.0347967925	0.0139222232	-0.0259859840	-0.0138718813	0.0289347897
## 7	0.0338406716	-0.0407698647	0.0372694137	-0.0066992868	0.0241013320
## 8	-0.0035319584	-0.0557642787	-0.0313342272	-0.0515176268	-0.0179970993
## 9	-0.0445157619	-0.0256773661	-0.0628877507	0.0650093407	-0.0428302147
## 10	-0.0953191401	-0.0130446205	0.0689538779	0.0149065267	0.0120136583
## 11	-0.0012521552	0.0502148718	0.0617548076	-0.0500869656	-0.0241018597
## 12	-0.0142739937	0.0190204675	-0.0110439779	-0.0465257259	-0.0373375131
## 13	0.0539390288	-0.0168123296	-0.0646112451	-0.0146227286	-0.0077967595
## 14	-0.0208304612	-0.0748134710	-0.0005142128	0.0150421617	0.0512341677
## 15	-0.0089601886	0.0554579535	0.0081971659	-0.0396180806	0.0041027409
## 16	0.0379674135	0.0409972345	-0.0208407561	0.0397055785	-0.0070676628
## 17	0.0075642697	-0.0512528103	0.0442111667	-0.0327420849	-0.0181477656
## 18	0.0037615819	-0.0241390347	-0.0191646512	0.0047892912	-0.0709753113
## 19	0.0166223374	-0.0359181411	0.0450204119	-0.0485045056	-0.0137689112
## 20	0.0303240654	-0.0294219940	0.0484472805	0.0082781035	-0.1126121265
## 21	-0.0573681519	0.0406603165	0.0431914950	-0.0100817774	0.0373569291
## 22	0.0305697320	0.0125581130	0.0596416408	-0.0819733083	-0.0230454948
## 23	-0.0082832572	-0.0298886509	0.0374169918	0.0158956816	0.0017906492
## 24	0.0426259575	0.0397526269	0.0072040746	0.0339048611	-0.0309768660
## 25	0.0902027554	0.0068366401	-0.0117757744	-0.0149113815	0.0500113630
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## 29	-0.0156746844	0.0359736653	0.0073262144	0.0853735539	0.0651955001
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## 31	0.0051974539	-0.0320300783	0.0234452879	-0.0155998874	-0.0064720832
## 32	0.0140248295	0.0216616748	0.0369850136	0.0232067150	0.0322047379

## 33	0.0204386058	-0.0574254631	-0.0498395250	-0.0255454070	0.0026862979
## 34	-0.0577292437	0.0322790236	-0.0796569699	0.0513784749	0.0256352073
## 35	0.0407565462	-0.0196176741	-0.0006869383	0.0608786330	-0.0450416399
## 36	0.0493500132	0.0176745287	0.0044743592	-0.0055873305	-0.0839649806
## 37	-0.0214697356	-0.1334311803	0.1218458938	0.0542317162	0.0484230524
## 38	0.0671178482	0.0526933277	-0.0198167276	-0.0229121534	-0.0186599587
## 39	0.0308250234	0.0570676546	-0.0344530400	-0.0616028283	0.0512089747
## 40	-0.0574104722	-0.0218408880	-0.0012960279	0.0379588386	0.0221011241
## 41	0.0230349666	-0.0607360206	0.0830570261	0.0144346937	0.0919109620
## 42	-0.0412905212	-0.0336978561	0.0130345306	-0.0555865840	0.0315234784
## 43	0.0527102623	0.0580788254	0.0550901644	-0.0593206500	0.0531500768
## 44	0.0195671153	0.0314135989	-0.0420936790	0.0091269878	-0.0134258319
## 45	0.0783089806	0.0469287294	0.0353416341	-0.0213875479	0.0223355433
## 46	0.0766423964	0.0247128894	-0.0135143333	-0.0296562075	-0.0246391782
## 47	0.0215829168	-0.0174333040	-0.0040083518	0.0352532057	0.0842728248
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## 49	-0.0332991962	0.0299100341	0.0209427017	-0.0440554848	-0.0072986507
## 50	0.0599713914	0.0492394489	-0.0299296382	0.0031245118	-0.0460868605
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## 55	0.0740507261	-0.0217032278	0.0600352546	-0.0328441005	-0.0109886665
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## 60	-0.0142936717	0.0348672904	0.0451030286	0.0554261781	-0.0466167513
## 61	-0.0008352343	-0.0089991107	-0.0027883684	-0.0068077363	0.0276025518
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## 72	0.0777455285	-0.0191969558	-0.0586102643	0.0472832516	-0.0040638251
## 73	0.0665228912	0.0560140029	0.0437593681	-0.0220722043	0.0012015487
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## 92	0.0539586068	0.0334248755	-0.0621037298	0.0674515857	-0.0175376873
## 93	-0.0161969949	0.0008782030	-0.0916402559	0.0629784902	-0.0230580501
## 94	-0.0430947655	0.0393410980	0.0938856889	-0.0222290860	0.0195056893
## 95	-0.0105393839	-0.0365041059	-0.0471421092	-0.0134764408	0.0794403224
## 96	0.0488346092	-0.0037357487	0.0195333011	0.0022854146	-0.0264298717
## 97	0.0216483986	-0.0196671281	0.0573681450	0.0861306210	-0.1249087985
## 98	-0.0108741186	-0.0204112442	-0.0533188967	0.0099134206	-0.0141933123
## 99	0.0289557321	0.0403979379	0.0062552325	-0.0007711544	-0.0169756719
## 100	0.0352993904	-0.0418629070	0.0571579772	0.0662726744	0.0331777935
## 101	-0.0113001874	0.0415016350	-0.0019367022	-0.0649072010	0.0059561112
## 102	0.0589892784	-0.0262198108	0.0486503537	0.0417993040	-0.0738315592
## 103	0.0095793727	-0.0620040342	-0.0374352728	-0.0194331927	0.0138245121
## 104	0.0423426265	0.1229748071	-0.0419528892	-0.0099636395	0.0382270856
## 105	0.0375604145	-0.0147807943	-0.0311392557	0.0032965604	0.0188370410
## 106	-0.0954088786	0.0068612053	-0.0594646612	-0.0339273253	-0.0019327448
## 107	-0.0499938037	0.0728871818	0.0470659590	0.0898412058	0.0050042080
## 108	0.0055933040	0.0123230998	0.0176820743	0.0267120249	-0.0185709507
## 109	0.0668970216	-0.0426838594	0.0501634867	0.0152908042	-0.0021665774
## 110	-0.0695424228	0.0858278465	0.0138624612	0.0067527713	0.0521851602
## 111	0.0255985614	-0.0059762866	0.0047162355	0.0127214472	-0.0136028898
## 112	-0.0293084200	-0.0780249110	0.0486861147	-0.0516999587	-0.0424474271
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## 116	0.0332312148	-0.0482634957	0.0467763800	-0.0331899645	0.0272459798
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## 131	0.0109829228	-0.0402333446	0.0372993401	-0.0626582506	-0.0087196944
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## 141 0.0114208689 -0.0162493555 0.0429529493 0.0318276653 -0.0246464023
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## 170 -0.0502310935 -0.0535454534 -0.0197085720 -0.0077237111 -0.0702505995
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## 177 0.0501668493 0.0293674481 0.0095451038 -0.0265885780 0.0306898767
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## 185 0.0119510960 0.0312504477 0.0712158102 -0.0078444202 -0.0571852220
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## 190 0.0481886590 -0.0141877003 0.0224453775 0.0143787642 0.0152516461
## 191 -0.0472542328 -0.0753818458 0.0259688063 0.0550445201 -0.0053700948
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## 193 0.0100521932 -0.0528809998 0.0017486217 -0.0075284740 -0.0858535764
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## 195	-0.0630962668	0.1085741954	-0.0008316669	0.0004771686	0.0429040177
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## 197	-0.0283239950	0.0220516176	-0.0092283471	0.0074239603	0.0506458013
## 198	-0.0122328234	-0.0390531198	-0.0350432586	-0.0557431141	-0.0149407902
## 199	0.0316352840	0.0199089688	0.0318992838	-0.0653149497	-0.0120617297
##	V421	V422	V423	V424	V425
## 1	-0.0416026159	3.447425e-02	2.160968e-02	0.0034017199	-0.0864110372
## 2	0.0379014811	1.391918e-02	-5.098556e-02	-0.0268560897	-0.0773827503
## 3	0.0212884643	-4.017031e-02	-6.715597e-02	0.0480541990	-0.0722474412
## 4	0.0240521639	-1.084425e-02	-1.008422e-02	0.0884118856	-0.0218765762
## 5	-0.0270140000	3.140143e-02	3.165237e-02	-0.0426953776	0.0177605669
## 6	0.0150529906	1.792168e-02	1.595568e-02	-0.0094470650	0.0524822622
## 7	0.0078191801	9.286444e-02	-8.833030e-03	0.0380012772	0.0553380305
## 8	-0.0347805269	5.673993e-02	8.648542e-02	-0.0141496905	0.0777481030
## 9	0.0313127747	3.402176e-02	-5.093762e-02	-0.0569334468	0.0159331609
## 10	0.0109282042	-2.245473e-02	4.794697e-02	-0.0651699105	-0.0234419397
## 11	0.0495165324	1.872884e-02	-1.324276e-02	0.0361877740	0.0162744601
## 12	-0.0236859883	-2.734138e-02	-2.811681e-03	0.0140388857	0.0181729516
## 13	-0.0726650590	4.945322e-03	2.989914e-03	0.0578350709	0.0327626658
## 14	0.0036112599	1.361522e-02	3.941125e-02	-0.0575590635	0.0610062213
## 15	-0.0002215528	-3.831228e-02	1.299349e-02	0.0740547601	-0.0260649318
## 16	0.0163485122	3.105332e-02	-1.201050e-01	-0.1043656277	0.0237119221
## 17	-0.0256674115	4.021227e-02	6.970022e-02	0.0092923232	-0.0178907153
## 18	0.0261585895	5.849393e-02	2.888459e-02	0.0941364989	-0.0287445881
## 19	0.0145761002	4.733757e-02	-1.289303e-02	0.0020881292	0.0107645001
## 20	0.0361876275	5.662741e-02	1.709720e-02	-0.0047448394	0.0374864644
## 21	0.0312102824	-3.863673e-02	-6.921569e-03	0.0434023394	0.0296547798
## 22	0.0392773918	3.943617e-03	-2.620003e-02	-0.0446901208	-0.0288812737
## 23	-0.0396031110	2.446484e-02	5.131707e-02	-0.0578488818	0.0449588816
## 24	-0.0296781662	-1.398090e-02	-6.347398e-02	-0.0851550540	-0.0741360566
## 25	0.0312713368	-5.942850e-02	-1.682149e-02	0.0226929001	0.0497829523
## 26	0.0670703032	-4.358339e-03	-2.092659e-02	0.0656937640	0.0726153607
## 27	-0.0406517530	5.743020e-03	-5.900599e-02	0.0252523659	-0.0712351160
## 28	0.0397249870	-2.403138e-02	1.842709e-02	-0.0206636914	-0.0246664471
## 29	-0.0972224292	-1.108115e-01	1.613845e-02	0.0261075332	0.0010966252
## 30	0.0324180036	2.641143e-02	4.351224e-03	0.0268931165	-0.0616222923
## 31	-0.0436480365	4.592626e-02	-1.566959e-03	-0.0407499234	-0.0042384998
## 32	0.0436552555	-6.349501e-02	-9.146449e-03	0.0324216418	0.0256778951
## 33	-0.0106194333	-3.361421e-02	-1.249213e-02	-0.0428544536	-0.0213686754
## 34	-0.0092285391	-7.369667e-02	-1.745543e-02	0.0255212438	0.0638192115
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## 36	0.0074749091	5.131313e-02	-1.146162e-02	-0.0900828745	0.0015868301
## 37	0.0169841074	-1.383738e-02	-6.006506e-02	0.0165751886	0.0422081387
## 38	-0.0837081186	5.550311e-02	1.850909e-02	0.0406181926	0.0278978474
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## 44	-0.0125776127	1.036979e-02	3.864039e-02	0.0225452316	0.0892388065
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## 49 -0.0177460015 -3.906835e-02 2.413109e-02 0.0598440771 0.1059561113
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## 52 0.0276559760 -3.975013e-04 2.953347e-02 -0.0656646444 -0.0151047406
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## 54 0.0448439344 -5.229161e-02 -4.970645e-02 0.0071269012 0.0401040868
## 55 -0.0566801166 4.887334e-02 -2.325094e-03 0.0188672728 -0.0369786311
## 56 0.0255136531 -2.185138e-02 2.649754e-02 -0.0303439887 -0.0789123223
## 57 0.0621691433 2.819918e-03 -9.570047e-02 0.0034288486 0.0811886172
## 58 -0.0829722530 5.915566e-02 -6.121228e-02 -0.0257098498 -0.0083117084
## 59 0.0210585628 2.851589e-02 -1.357895e-02 -0.0090870729 -0.0957208137
## 60 0.0282988374 7.970440e-03 1.353532e-02 0.0505388641 -0.0099718844
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## 63 0.0094682917 4.662989e-02 5.279634e-02 0.0094763510 0.0101036511
## 64 0.0138258856 2.327542e-02 -7.852400e-02 -0.0175134343 0.0115895097
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## 137 -0.0748979958 2.575666e-02 3.825690e-02 -0.0675701782 -0.0150704895
## 138 0.1117739527 -3.056721e-02 4.908049e-02 0.0328432528 0.0102011622
## 139 0.0261718806 7.245962e-03 4.501296e-03 -0.0867565665 -0.0203504020
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## 162	-0.0193884659	-7.008503e-02	1.048741e-01	-0.0079341107	0.0665513098
## 163	-0.0197085392	-8.056243e-03	-6.691073e-02	-0.0386868841	0.0356751085
## 164	-0.0813471860	-5.942863e-02	3.417910e-02	-0.0227622366	-0.0911513929
## 165	-0.0105634957	3.606690e-02	-3.531417e-02	-0.0297780858	-0.0193537991
## 166	0.0361238416	6.880291e-02	1.306958e-02	-0.0218312746	0.0383433720
## 167	-0.0200399257	-3.179728e-02	-3.840476e-02	-0.0024121023	0.0275239307
## 168	-0.0246450115	-5.024503e-02	2.045627e-02	-0.0462235277	-0.0172429169
## 169	0.0225276647	3.869210e-02	1.169418e-02	-0.0108593999	-0.0093429226
## 170	-0.0003217184	-2.405053e-02	-7.801222e-02	0.0017652722	-0.0640224694
## 171	0.0555679193	6.498425e-03	3.258123e-02	-0.0244779508	-0.0244894147
## 172	0.0896038671	-1.212445e-02	-3.387316e-02	0.0300355920	0.0560720276
## 173	-0.0368730639	-1.323476e-03	-1.222593e-01	0.0385206074	0.0397878488
## 174	0.1040904533	1.796311e-02	-1.864827e-02	0.0094011944	-0.0472124120
## 175	-0.0260649327	-6.544830e-02	5.738702e-02	0.0170296954	0.0339078896
## 176	-0.0309646174	2.611349e-02	1.147757e-02	0.0185625070	-0.0763855269
## 177	-0.1235915814	-2.899189e-02	5.266530e-02	-0.0002526696	-0.0390297378
## 178	-0.0172666850	-3.218466e-02	-3.253575e-02	-0.0056411724	-0.0220805885
## 179	-0.1050097970	5.208901e-02	1.314232e-02	0.0855719570	-0.0413941051
## 180	-0.0252748191	7.717678e-02	-3.194849e-02	-0.0501769611	-0.0521622747
## 181	-0.0015753171	7.904548e-02	-6.940012e-02	0.0101170255	-0.0208582985
## 182	-0.0318006864	1.054913e-01	2.173466e-02	0.0825249976	-0.0195953115
## 183	0.0635081739	1.733707e-02	-4.391024e-02	-0.0064866829	-0.0087580366
## 184	-0.0626443764	-3.720779e-02	1.713120e-03	0.0069099794	0.0468589172
## 185	-0.0024799233	1.839547e-02	1.199231e-02	0.1100259612	-0.0458324528
## 186	0.0028682447	2.413456e-02	4.850160e-03	-0.0305531911	0.0497949567
## 187	-0.0024952553	4.733047e-02	1.111940e-02	-0.0758350782	0.0483488076
## 188	-0.0570857553	-4.147028e-02	6.164584e-03	-0.0207284340	-0.0242185481
## 189	-0.0163122758	-7.431752e-02	-1.004289e-01	0.0154003146	-0.0411564502
## 190	0.0048558715	-3.925067e-02	-6.082084e-03	-0.0092311655	0.0348766725
## 191	-0.0262561742	1.094923e-01	-2.033617e-02	0.0257763010	-0.0395639704
## 192	-0.0444683594	-5.405668e-03	-2.570379e-03	-0.0034799296	0.0032393143
## 193	-0.0352304958	-5.608443e-02	-1.865171e-02	0.0259546112	0.0372783138
## 194	0.0098370266	1.084744e-02	-5.388461e-02	-0.0296382991	0.0101491712
## 195	-0.0361387402	5.723075e-02	-6.205788e-02	-0.0166176463	-0.0387336786
## 196	-0.0039741894	-5.294167e-02	-8.655639e-03	-0.0162298538	-0.0406316355
## 197	0.0004261996	6.835871e-02	-1.147910e-01	0.0244058025	0.0305390643
## 198	0.0069361846	4.971718e-02	-9.827491e-02	-0.0349848225	0.0648434874
## 199	0.0309097229	1.142081e-02	3.718067e-02	-0.0251170726	-0.0167355894
##	V426	V427	V428	V429	V430
## 1	0.0619208110	-1.570881e-02	0.0361169921	1.816888e-02	6.234890e-02
## 2	0.0252402227	5.130699e-03	0.0239875246	9.914982e-02	-1.887050e-02
## 3	-0.0632155004	-5.104701e-02	0.0141142136	5.186424e-02	5.212902e-02
## 4	0.0220345824	1.952736e-02	-0.0336063561	-3.666882e-02	2.730793e-02
## 5	-0.0298978670	7.846468e-04	0.0067759361	-9.069526e-03	4.299691e-02
## 6	0.0058704495	6.547332e-02	-0.0478728917	-2.018821e-02	4.673193e-02
## 7	-0.0067369100	-1.071918e-02	0.0347262732	-3.364790e-02	6.114835e-02
## 8	0.0095879855	-3.889954e-02	-0.0384778642	2.881705e-02	2.046521e-06
## 9	-0.0260392899	-5.475481e-02	0.0408753012	-1.082692e-01	6.053177e-02
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## 11  0.0184217681 -2.566376e-02 -0.0278606085 -5.355649e-02 -5.113012e-02
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## 13 -0.0097754551  7.017507e-03  0.0112018322 -1.896689e-02  1.304471e-02
## 14 -0.0602428006  6.300141e-02  0.0397097306 -4.893208e-02  8.376420e-03
## 15  0.0267115459 -2.553743e-02  0.0429641772 -2.441384e-02  2.702441e-02
## 16  0.0373818681  5.880958e-02 -0.0173123108  3.601448e-02 -2.994691e-02
## 17 -0.0678602637 -2.710240e-02  0.0905933398  2.813990e-02  5.454231e-02
## 18  0.0625454814 -6.938553e-02  0.0046623514  3.035248e-02  1.802224e-02
## 19  0.0201567549  3.423808e-02 -0.1093014008  1.087989e-02 -7.135304e-02
## 20 -0.0218659616  5.390814e-02 -0.0616219527  2.342317e-02  7.454992e-02
## 21 -0.0948955171 -1.257875e-02  0.0079332768 -1.493191e-02 -1.597756e-02
## 22 -0.0119394031  1.233818e-02  0.0224275758 -2.655504e-03  1.639693e-02
## 23 -0.0786055731  2.828524e-02 -0.0229811024  7.800993e-03 -5.750016e-02
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## 72 0.0232296710 -4.135907e-02 -0.0455493634 5.764833e-02 8.344028e-03
## 73 -0.0014481638 5.647569e-02 0.0234461804 -2.351816e-03 -4.820624e-02
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## 76 0.0903550701 5.763167e-02 -0.0423606155 1.705197e-02 -3.177246e-02
## 77 -0.0059506440 -6.172820e-02 -0.0343935165 -8.567593e-03 1.180401e-02
## 78 -0.0402351713 6.305015e-02 -0.0175988273 4.250063e-02 -7.213119e-02
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## 103 0.0681972797 2.794622e-02 -0.0972883623 -2.646827e-02 2.617897e-02
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## 128 0.0042129159 -1.652438e-02 -0.0526588325 1.190600e-02 3.364115e-02
## 129 0.0528939811 6.539617e-02 -0.0074741096 1.242627e-01 1.769691e-02
## 130 -0.0014704127 -7.684151e-02 -0.0516892640 -1.068628e-02 -4.781795e-02
## 131 -0.0378037420 1.618875e-02 0.0126028987 1.099293e-01 1.583001e-02
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## 133 -0.0114081814 5.006778e-02 0.0371184000 3.889751e-02 -5.614765e-02
## 134 -0.0329918950 1.012518e-01 -0.0724980126 -8.541591e-02 -4.583111e-02
## 135 0.0575377987 -5.861640e-02 0.0689796066 -2.537636e-02 -3.200294e-02
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## 137 0.0036688557 -1.712041e-02 0.0028995756 -7.318129e-02 -1.102329e-02
## 138 0.0968975465 4.348040e-02 0.0508848946 -4.100850e-03 1.786364e-02
## 139 0.0918478795 1.214774e-02 -0.0101289227 -7.906056e-03 -9.594952e-03
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## 141 0.0181759166 5.758775e-03 0.0348297524 2.248561e-02 -2.348724e-02
## 142 -0.0330367794 7.712345e-03 0.0545924914 2.665546e-02 4.251145e-02
## 143 0.0194884977 -3.536943e-02 0.0344874462 3.225949e-02 -3.941197e-02
## 144 0.0224817399 2.977058e-02 -0.0814168608 1.580582e-02 -7.054199e-02
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## 147 0.0119568918 -1.154051e-01 0.0494093895 -3.706965e-02 -3.020457e-02
## 148 0.0644791701 -3.732863e-02 -0.1072918820 -1.612704e-04 6.182218e-02
## 149 0.0603661624 1.845348e-02 -0.0246154922 -5.931679e-03 -3.363080e-03
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## 152 0.0046976739 2.107916e-02 -0.1069049830 7.041837e-03 -2.843344e-03
## 153 -0.0275429395 1.316719e-01 0.0203375477 7.228903e-02 -1.644748e-03
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## 158 0.0669182011 -4.765797e-02 -0.1169416251 -8.469830e-02 -1.243632e-01
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## 165 0.0718425122 -5.094514e-02 0.0130034455 8.790588e-05 -7.267616e-02
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## 167 -0.0551157945 4.576653e-02 -0.1072153694 -1.656610e-03 -5.195042e-02
## 168 0.0117877994 1.148003e-03 0.0016777239 1.617786e-02 -5.501917e-02
## 169 0.0284761733 7.704416e-03 0.0318506734 -6.343699e-02 2.761316e-02
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## 171 0.0114792990 -1.033596e-02 0.0027457447 5.346639e-02 6.431736e-02
## 172 -0.0806382411 6.186643e-02 -0.0681781686 -5.870445e-03 4.602266e-02

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## 175 -0.0851334612 -2.844234e-02 0.0003217550 -4.493373e-03 3.647079e-02
## 176 0.0021104489 -1.881097e-02 -0.0441947318 -4.270500e-02 6.005763e-02
## 177 -0.0606730421 4.206697e-02 0.0115099654 -5.079042e-03 2.288427e-03
## 178 -0.1074149392 3.625667e-02 -0.0788127824 -3.101568e-02 3.940697e-02
## 179 0.0671052897 -5.570554e-02 -0.0184527866 2.557433e-03 -2.542621e-02
## 180 -0.0380173061 3.950337e-02 0.0435319696 2.712251e-02 4.215501e-02
## 181 0.0310096893 -3.640602e-02 -0.0038918929 1.485651e-02 -8.195022e-03
## 182 -0.0085675525 -4.095911e-03 0.0399969729 -8.199795e-03 1.662442e-02
## 183 0.0134777152 -2.062792e-02 0.0339581640 -6.119872e-02 4.450601e-03
## 184 -0.0383569258 4.202587e-02 -0.0127751181 -1.874041e-02 -8.414319e-02
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## 186 0.0237702653 8.650581e-02 0.0030491445 3.549622e-02 -3.572779e-03
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## 194 -0.0054143442 6.935566e-02 0.0699127470 -6.488343e-02 3.201344e-03
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## 199 0.0115266936 -4.277715e-02 -0.0160450884 -5.817441e-02 -1.515447e-02
##          V431          V432          V433          V434          V435
## 1 0.0278979819 -0.0283011628 -0.0862880942 -0.0473097236 -3.239419e-02
## 2 0.0182091122 0.0759340978 -0.0647976154 0.0373020312 -3.756328e-02
## 3 0.0367286622 0.0055925708 0.0590543427 -0.0226027194 5.933257e-02
## 4 0.0029511519 -0.0028577823 -0.0806281085 0.0399690199 2.567394e-02
## 5 -0.0284733073 -0.0159522493 0.0528514006 0.0188956571 1.269126e-02
## 6 0.0021666739 -0.0024867875 0.0669633036 -0.0244982027 -1.881240e-02
## 7 0.0332191019 -0.1159546053 0.0492854648 0.0443623359 6.146268e-02
## 8 -0.0081138936 -0.0532699247 0.0001873477 0.0151975737 5.992536e-03
## 9 -0.0302208297 0.0220271278 -0.0577274398 -0.0238138570 6.261651e-02
## 10 0.0941342846 -0.0246239714 -0.0212576208 -0.0764168631 2.557319e-02
## 11 -0.0139677732 -0.0705854713 0.0610458855 -0.0527317902 2.472405e-02
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## 13 0.0118383337 -0.0560481263 0.0328905169 0.0345655156 3.331958e-02
## 14 0.0039824242 0.0429287287 -0.0145214985 -0.0813506707 1.460526e-02
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## 17 0.0319965203 0.0258897173 0.0071405823 -0.0062300185 3.628979e-02
## 18 0.0160070292 -0.0389362100 0.0274614489 0.0014162153 -2.179090e-02
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## 30 -0.0519101471 -0.0188519483 -0.0078874155 -0.0195988675 -3.654422e-02
## 31 0.0558834701 0.0488184427 0.0192406259 0.0472231889 -2.906637e-02
## 32 -0.0347730214 0.0736328894 -0.0777888079 -0.0583688482 -2.293182e-02
## 33 0.0474153583 -0.0641819905 -0.1578384178 0.0046769441 4.266030e-02
## 34 0.0572361973 -0.0020511176 -0.0371987316 -0.0313072360 5.322909e-02
## 35 -0.0043538505 0.0503224245 0.0721108708 0.0014431936 -7.386379e-02
## 36 -0.0308174528 0.0439533378 -0.0450914355 -0.1354274738 -2.987693e-02
## 37 0.0105662120 -0.0387704337 -0.0035583115 0.0019427380 -4.595374e-02
## 38 0.0752061986 0.0042391239 -0.0491973234 0.0005539810 -8.761559e-03
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## 40 0.0511293106 -0.0161610763 0.0801656294 -0.0728665269 7.811378e-03
## 41 -0.0239482840 0.0247136289 0.0493557691 0.0771969729 4.018271e-02
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## 43 0.0271005437 0.0153722262 -0.0812273871 -0.0456948409 6.086566e-02
## 44 -0.0273904566 -0.0606870379 0.0516237670 -0.0386952555 -1.497003e-02
## 45 -0.0441404806 -0.0205286224 -0.0013058623 0.0289412388 9.606055e-03
## 46 -0.0411669935 -0.0301557440 -0.0474507556 0.0614668081 -7.024597e-03
## 47 0.0464739388 0.0005545577 0.0154776924 0.0013837204 -3.875144e-03
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## 49 0.0190587628 -0.0176802331 -0.0652786454 0.0302242865 -3.254483e-02
## 50 -0.0018055166 -0.0382982621 0.0108683314 0.0009964677 -5.103023e-02
## 51 -0.0086712497 0.0142349376 0.0261951146 -0.0079180265 -1.913083e-05
## 52 -0.0066803006 -0.0429729866 -0.0263186655 0.0733507817 1.193406e-02
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## 55 -0.0516333504 -0.0064510914 -0.0076127420 0.0004646418 6.484818e-02
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## 63 0.0405781864 -0.0695028321 -0.0165691681 -0.0370733008 -4.274350e-02
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## 85  0.0383393016  0.0379647676 -0.0696353602  0.0216901430  2.022479e-02
## 86 -0.0468633225 -0.0071667739 -0.0018221712  0.0352055690 -6.866638e-02
## 87  0.0322870148 -0.0391171573 -0.0212599296  0.0386528511 -2.514791e-02
## 88 -0.0342333652 -0.0695031060 -0.0137190743  0.0086732755  1.838307e-02
## 89 -0.0282991120 -0.0315963235  0.0227969004  0.0301928787 -8.228107e-02
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## 93 -0.0268972116  0.0796958091  0.0132589426  0.0355044727  3.659439e-03
## 94  0.0257005014  0.0550944490 -0.0594768155 -0.0857733414 -2.878157e-02
## 95 -0.0017918733 -0.0559134115  0.0021151753  0.0028640071  4.021721e-03
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## 99 -0.0075160999  0.0617176188  0.0385155934  0.0680196248 -3.363362e-02
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## 103 0.0140414108 -0.0641750650 -0.0035551375  0.0448033790 -3.223774e-04
## 104 -0.0347277782 -0.0415746550  0.0235714197 -0.0412248513  5.936991e-02
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## 107 -0.0662428290  0.0207883312 -0.0499387204  0.0054514949  4.113888e-02
## 108 0.0666713003  0.0139449840  0.0073524994  0.0104624278  5.792196e-02
## 109 -0.0413863506  0.0173695669 -0.0349165827 -0.0274070252 -9.693217e-02
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## 120 -0.0121632645 -0.0321758809  0.0333060519 -0.0352649557  6.788743e-02
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## 122 -0.0907515246  0.0104492135 -0.0019744186  0.0043458152 -2.577428e-02
## 123 0.0762507378  0.0253567018 -0.0717040668 -0.0412547061  3.337023e-03
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## 135 -0.0244399905 0.0366003166 0.0322695607 0.0053672563 2.122555e-02
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## 142 0.0723119004 0.0261842825 0.0382481276 -0.0244592471 7.737950e-02
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## 186 -0.0117937078 -0.0129478639 -0.0223617578 -0.0225456070 -6.989623e-03
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## 191	-0.1066279600	-0.0701654238	-0.0273104729	0.0429819947	-2.005012e-02
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## 197	-0.0532944021	-0.0120692379	0.0531159898	0.0092789427	-3.085497e-02
## 198	0.0353479367	-0.0605267017	0.0613140199	0.0600730954	-1.351927e-02
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##	V436	V437	V438	V439	V440
## 1	-0.0259149398	0.0327241057	0.0160269232	-0.0024930694	-0.0383731856
## 2	0.0237978760	-0.0400549151	0.0531733318	-0.0074040296	-0.0453564827
## 3	0.0084517105	-0.0487761589	-0.1291397101	-0.0378926456	0.0813375750
## 4	0.0736905492	0.0396246325	0.0622774150	-0.0070206344	0.0612450753
## 5	0.0987769991	-0.0034911291	0.0522396898	-0.0250717841	0.0167773031
## 6	0.0143784221	-0.0572206947	-0.0823287777	0.0223158607	-0.0332298101
## 7	0.0415339765	-0.0186325589	-0.0701593848	0.0837778746	-0.0246093380
## 8	0.0186191882	0.0155465514	-0.0248243923	0.0029423711	0.0600283137
## 9	0.0421370430	-0.0609570005	0.0243211069	-0.0616233058	0.0093113364
## 10	0.0122724557	-0.0114957317	0.0038741588	0.0148716528	0.0506255559
## 11	0.0235780219	-0.0176181659	-0.0584870201	-0.0110113149	-0.0503866026
## 12	0.0460854301	0.0339236218	-0.0613086810	-0.0280433143	0.0545287986
## 13	-0.0686169321	0.0421140315	-0.0014478638	-0.0426383826	0.0483263003
## 14	-0.0153425726	-0.0219663531	0.0466230374	-0.0049016429	0.0417662720
## 15	0.0522565509	-0.0205062670	0.1056495368	-0.0415916246	0.0108311771
## 16	0.0125913013	-0.0147248682	0.0746017482	0.0285554090	0.1033577523
## 17	-0.0694645555	0.0156490235	0.0531078248	0.0219976905	-0.0003127209
## 18	0.0853507078	0.0614094317	0.0469536432	0.0239228059	0.0133377617
## 19	-0.0132695852	0.0230390236	0.0158889588	-0.0304829448	0.0014747300
## 20	-0.0022542843	0.0551858528	-0.0763547652	0.0630787317	0.0620097475
## 21	0.0915076678	0.0034491732	-0.0709547727	0.0581193307	0.0171561337
## 22	-0.0632547839	0.0073734257	-0.0630628929	0.0793863865	-0.0222635400
## 23	0.0843437238	-0.0025087214	-0.0592638842	0.0114231118	0.0142566084
## 24	0.0441010633	-0.0333876437	0.0478442479	-0.0172258457	0.0336604128
## 25	0.0808094449	0.0389748940	-0.0375594610	-0.0222900228	-0.0386079010
## 26	-0.1015212651	-0.0173143968	0.0053135034	0.0192527564	0.0168367546
## 27	0.0672883536	0.1085011615	-0.0351267566	0.0334064301	-0.0667448066
## 28	-0.0314015358	0.0202311462	-0.0217440832	0.0099366663	-0.0463894538
## 29	-0.0442858684	-0.0431452175	-0.0574117932	0.0352857321	-0.0615420544
## 30	0.0122712801	-0.0810397707	0.0079868689	-0.0302771981	0.0135027137
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## 33	-0.0061265585	0.0388613620	0.0286928123	0.0613579462	-0.0099496360
## 34	-0.0305019288	-0.0115288127	0.0209156720	0.0029531355	0.0237390933
## 35	-0.0897534359	-0.0548964271	0.0503005441	-0.0556027824	0.0707534871
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## 37	0.0126289110	0.0330770373	0.0555622314	-0.0686109759	0.0319482655
## 38	0.0025721802	-0.0519302202	0.0070113389	-0.0347114428	-0.0047555609
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## 40	0.1143329440	0.0284679892	0.0313950559	-0.1094629256	-0.0086244011
## 41	0.0369863175	-0.0474080763	-0.0139036516	-0.0373229265	-0.0180326513
## 42	0.0216968770	-0.0403955954	0.0306466127	-0.0370810599	-0.0308135871

## 43	-0.0399418464	-0.0014277451	-0.0584970111	0.0186470569	0.0582255440
## 44	-0.0262342131	0.0809479139	-0.0381259002	0.0626546957	0.0164638291
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## 46	-0.0272405161	-0.0030575564	0.0530484117	0.0184545880	0.0097206309
## 47	0.0252491331	0.0385941812	-0.0218468046	0.0490651242	-0.0048145683
## 48	0.0637624978	-0.0030844798	-0.0625497275	-0.0532147749	-0.0004643952
## 49	0.0326421716	-0.0049140776	-0.0001488029	0.0170230881	-0.0268150858
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## 51	-0.0777665521	0.0239815637	0.0064959788	-0.0247525504	-0.0207129990
## 52	-0.0547388607	0.0051095866	0.0058066416	-0.0549079588	-0.0153604635
## 53	-0.0076984312	-0.0199579574	0.0410956600	-0.0595592962	0.0112620385
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## 55	-0.0088304280	0.0175428262	-0.0809561300	-0.0072267327	0.0100357599
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## 58	0.0437929234	-0.0928619375	-0.0550936216	-0.0067829411	-0.0008448040
## 59	-0.0120204832	-0.0184706266	0.0730384921	-0.0281331346	-0.0843566234
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## 61	0.0138161517	-0.0422970444	0.0080822917	0.0912620628	-0.0508710877
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## 63	-0.0083831233	-0.0510639085	-0.0149475999	0.0201836951	0.0707193624
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## 65	-0.0060186005	0.0004114966	0.0084058683	-0.0226021196	0.0200620719
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## 67	-0.0518542678	-0.0928029875	0.0253288057	-0.0886589334	0.0300898579
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## 71	0.0340282261	0.0562101153	0.0408635294	0.0143091501	0.0188830193
## 72	-0.0027757059	-0.0259953601	-0.0867502244	-0.0425778721	-0.0479567451
## 73	-0.0361067962	-0.0373545765	-0.0307095311	0.0191194458	0.0132942161
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## 142	0.0238118793	0.0084092900	0.0911185468	0.0254889981	-0.0637095938
## 143	0.0457967064	-0.0294497483	0.0293465474	0.0509696786	-0.0154093218
## 144	-0.0292995332	-0.0509098848	-0.0821555723	-0.0581756808	-0.0808899839
## 145	0.0491227686	0.0242607094	0.0135590332	-0.0056956553	-0.0312242742
## 146	-0.0878806134	-0.0871986616	0.0384590682	-0.0392645545	-0.0384824383
## 147	0.0672027947	0.0933391275	-0.0627715087	0.0183077332	0.0755525855
## 148	-0.0059891446	-0.0448143843	-0.0887273775	0.0025752720	0.0435446658
## 149	-0.0524346999	-0.0002798179	0.0489225866	0.0624770774	0.0331841279
## 150	-0.0093914252	-0.0161575374	0.0002680993	0.0065847909	-0.0231696116

## 151	0.0523414458	-0.0176291739	0.0384835174	-0.0169784124	-0.0502189125
## 152	-0.0085775041	-0.0242948057	0.0031317380	0.0113998525	0.0133694978
## 153	0.0466031022	0.0997865780	-0.0026935330	0.0647303534	0.0192227597
## 154	-0.0153448866	-0.0662480065	0.0393058404	0.0959001907	0.0136267555
## 155	-0.0217180611	-0.0661930292	-0.0172088358	0.0535435751	-0.0433176609
## 156	-0.0242101896	0.0233982448	0.0056513630	-0.0483574616	0.0368414119
## 157	0.0244328928	0.0265422376	0.0298454615	0.0389349512	0.0199287051
## 158	0.0310453377	0.0343110001	-0.0189160354	0.0133617000	0.0365592648
## 159	-0.0074403071	-0.0394082800	-0.0844909094	-0.0684725661	0.0012061566
## 160	-0.0667642169	-0.0088896963	-0.0026291612	0.0350833744	0.0684273448
## 161	-0.0124552828	-0.0099483786	-0.0061802792	-0.0365434477	0.1169037759
## 162	0.0160729963	-0.0134720354	0.0322110889	-0.0627064388	0.0275870620
## 163	0.0884486743	-0.0142964036	0.0806444619	0.0202219495	-0.0532340837
## 164	-0.0850647731	0.0441373311	-0.0033071814	0.0115948154	-0.0396989689
## 165	0.0723581918	-0.0145182528	-0.0175949074	0.0117163620	0.0239567454
## 166	0.0245686940	-0.0389595685	0.0152950633	0.0332536486	-0.0526228939
## 167	0.0394478180	-0.0253860789	0.0056755995	0.0534770603	-0.0042135809
## 168	0.0072572521	-0.0441671284	0.0709195957	-0.0121875990	-0.0717184066
## 169	0.0457376091	0.1003035294	-0.0136913494	0.0391911151	0.0365795890
## 170	-0.0257041606	0.0046038265	-0.0301216629	0.0280500950	-0.0130084898
## 171	-0.0260985847	-0.0422211549	-0.0350705494	-0.0531404802	0.0106177944
## 172	0.0209987592	0.0262482757	0.0302950535	-0.1126759022	-0.0242378176
## 173	-0.0343563905	0.0370859987	0.0058426549	-0.0087731993	-0.0907073372
## 174	0.0266455932	0.0005432069	0.0340351682	-0.0231755346	0.0392781324
## 175	-0.0377289968	0.0604249390	0.0395428575	0.0418818326	0.0400842096
## 176	0.0920295847	0.0850440872	-0.0781395134	-0.0141409087	0.0238317676
## 177	0.0021101619	0.0051552076	-0.0204766352	-0.0011266595	0.0210744060
## 178	0.0165805470	0.0320108726	-0.0407143376	-0.0378552744	-0.0437909991
## 179	-0.0096870022	-0.0122183403	0.0371289201	0.0472225711	-0.0094996543
## 180	-0.0176788197	-0.0508324256	-0.0703528624	0.0277871921	-0.0481525572
## 181	0.0002457410	0.0968434511	0.0645415466	0.0273074308	-0.0323676338
## 182	-0.0400368650	0.0058877939	-0.0255362823	-0.0474183280	0.0357277496
## 183	-0.0339586808	-0.0685384489	-0.0581295554	-0.0014484783	-0.0165574670
## 184	0.0783445235	-0.0557585577	-0.0073760787	0.0435149451	-0.0684017789
## 185	0.0280861031	0.0010064535	-0.0506261750	-0.0409865631	-0.0231215977
## 186	-0.0118054346	-0.0274878776	-0.0530886650	0.0158868572	-0.0099323062
## 187	-0.0042190799	-0.0090329773	-0.0069232237	-0.0968310400	-0.0075085937
## 188	0.0654761294	0.0108826265	-0.0250141468	-0.0829940375	-0.1102051308
## 189	-0.0106701941	0.0059564664	-0.0450828454	0.0687241038	-0.0459486067
## 190	0.0233409339	0.0614183447	-0.0613416224	0.0111576990	-0.0893292969
## 191	-0.0087435269	0.0340003716	0.0511102418	-0.0001498776	-0.0157511107
## 192	0.0292639984	0.0287485512	0.0338872744	0.0518343156	0.0401850677
## 193	-0.0270273454	0.0990857564	-0.0260024031	-0.0769381352	0.0213917809
## 194	0.0056915110	-0.0585258982	-0.0067373169	0.0635566236	-0.0015969734
## 195	-0.0530825854	-0.0042799662	0.0662751020	0.0574823045	-0.0608253586
## 196	0.0623003760	-0.0177625298	0.0218322126	0.0587233614	-0.0113754425
## 197	-0.0217492510	-0.0077966843	-0.0162189672	-0.0768990036	0.0388307649
## 198	-0.0142009493	-0.0398301469	-0.0200194525	0.0455370679	-0.0269272106
## 199	-0.0335906431	0.0555804156	0.0581282039	-0.0163218518	0.0784313976
##	V441	V442	V443	V444	V445
## 1	0.0049173622	-0.0107089662	0.018611811	-0.0466197336	-0.0061919108
## 2	0.0071372071	0.0794505829	0.030474840	0.0276658780	0.0173187433
## 3	0.0570385408	-0.1357021940	-0.024430428	0.0519578801	0.0016749641
## 4	-0.0227052068	-0.0190492611	-0.032964971	-0.0294600177	0.0150545371

## 5	-0.0331505889	0.0211217075	-0.079663141	0.0183212609	0.0103545672
## 6	-0.0562360693	-0.0021082266	0.039660209	-0.0486904194	-0.0008531869
## 7	0.0383283667	-0.0034243295	-0.057391534	0.0867061148	0.0382319535
## 8	0.0102467397	-0.0387276776	-0.032065915	0.0144073398	0.0178239094
## 9	0.0303643726	0.0826990019	0.032615256	0.0006307622	-0.0464761899
## 10	0.0065685201	-0.0044801311	-0.041966103	0.0376979310	-0.0254042694
## 11	-0.0383333141	0.0189545930	-0.015696029	-0.0402641323	0.0659078194
## 12	0.0680887468	0.0673860708	-0.045962018	-0.0345668589	-0.0102944546
## 13	-0.0261374345	-0.0455757256	-0.058611261	-0.0135557973	0.0012145903
## 14	-0.0454522455	-0.0077824183	0.065077144	-0.1090697887	-0.0367735842
## 15	-0.0120723803	0.0429469934	-0.001095255	0.0275997757	-0.0393055524
## 16	-0.0342590360	-0.0469798172	0.013727322	0.0237149622	0.0398806868
## 17	0.0230217773	-0.0369779073	-0.046847294	0.0381842564	0.0146367774
## 18	-0.0169261837	0.0550732191	-0.021629054	-0.0898581451	-0.0124308073
## 19	-0.0188686172	0.0706403418	0.059557545	0.0188649519	-0.0418759979
## 20	0.0160219122	-0.0218910139	0.009847951	0.0467970403	0.0079461346
## 21	-0.0131068928	-0.0259094201	0.045340072	-0.0262653632	0.0332322057
## 22	-0.0638878919	0.0195945003	0.055349483	-0.0843136879	0.0116331100
## 23	0.0025298541	-0.0257524648	0.053484772	0.0418658271	-0.0733268522
## 24	-0.0238368444	-0.0466136047	-0.044962637	0.0505495110	-0.0124467103
## 25	-0.0122847853	-0.0472205173	0.041148112	0.0560327559	0.0016953377
## 26	0.0649787449	0.0688315418	-0.028615170	-0.0534386594	-0.0613812853
## 27	-0.0233299013	0.0007514079	-0.036252295	0.0380184826	-0.0213025701
## 28	-0.0070869720	-0.0239274412	-0.025726782	0.0242509494	-0.0666992006
## 29	0.0168529566	0.0164293519	-0.045275197	-0.0120947975	-0.0750382878
## 30	-0.0488884900	-0.0645805984	0.026206612	-0.0500788553	0.0122607370
## 31	0.0081444803	-0.0642788515	0.005511508	0.0608855953	-0.0693523184
## 32	-0.0066605706	-0.0354560802	0.113771050	-0.0078527508	-0.0474639448
## 33	-0.0048105476	-0.0263059384	0.027724166	0.0438600230	0.0467866624
## 34	-0.0553530271	-0.0320095318	-0.117468951	-0.0846411401	0.0006843552
## 35	0.1217672729	-0.0204810798	-0.022321643	-0.0137830876	0.0561439830
## 36	-0.0433665185	0.0093269116	-0.041711236	0.0261333765	0.0314488810
## 37	-0.0157805525	-0.0092018313	-0.032784447	0.0278429916	-0.0555009049
## 38	-0.0152662982	0.0251850017	-0.066987294	-0.0311465354	0.0529553360
## 39	0.0447861847	0.0351132158	-0.057572571	-0.0384826104	0.0067381575
## 40	-0.0069685913	0.0217318901	0.006098768	0.0317855147	0.0101876314
## 41	-0.0063112874	-0.0237993465	0.061728531	-0.0144210273	-0.0779587998
## 42	-0.0635207642	-0.0567503510	-0.010277081	0.0983362288	0.0169411343
## 43	-0.0296281144	0.0305996959	0.066621698	-0.0339914851	-0.0119988129
## 44	0.0013160243	-0.0885909108	-0.038118084	0.0695289686	-0.0690970841
## 45	-0.0063226663	-0.0653863248	0.018599402	-0.0908835187	-0.0397141251
## 46	0.0443802442	-0.0715338853	-0.017686713	0.0322192876	0.0073801503
## 47	0.0063269870	0.0669143323	0.008373976	-0.0314267041	0.0361809359
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## 50	0.0065559957	-0.0151979350	0.060199862	0.0211070121	-0.0179279090
## 51	0.0095855886	0.0161244958	0.072121659	0.0892416219	0.0151495440
## 52	0.1147007947	0.0191965259	-0.012218849	0.0067296623	-0.0082486296
## 53	0.0215591439	0.0869750613	-0.004374994	-0.0584576749	-0.0096291685
## 54	0.0216096563	0.0126159112	0.020353243	0.0211483037	-0.0538596405
## 55	0.0586870150	0.0369669865	0.036180815	0.0086674350	0.0219165232
## 56	-0.0127879782	0.0375743897	0.015593502	0.0505447848	-0.0148747104
## 57	0.0030813843	0.0247482548	-0.004970860	0.0500645336	-0.0220289612
## 58	0.0037389662	0.0350297479	0.058396601	-0.0184023324	0.0091070564

## 59	0.0203758539	0.0099126832	-0.037382430	-0.0348190007	-0.0719100867
## 60	0.0716042432	0.0660773643	0.019694814	0.0054625174	0.0581057557
## 61	0.0317666457	-0.0096480944	0.005547026	-0.0067328286	-0.0651043781
## 62	0.0013967448	-0.0518961865	0.022184105	-0.0043661784	-0.0172271900
## 63	0.0215207481	-0.0606034252	0.018004873	0.0055076518	0.0062647509
## 64	-0.0335193974	-0.0289160331	0.005995835	-0.0991980453	0.1335416669
## 65	0.0888474817	-0.0580366708	-0.098334889	-0.0268368390	-0.0752572022
## 66	-0.0558695273	-0.0159746326	0.017310669	-0.0586697761	0.0404736595
## 67	-0.0821996376	0.0257802421	0.048878779	0.0336162163	-0.0153037172
## 68	-0.0018705287	0.0030244004	-0.043249207	-0.0257920012	-0.0444910279
## 69	-0.0029556793	0.0299314895	-0.062321370	-0.0285851597	-0.0090986873
## 70	-0.0303527755	-0.0425418284	-0.057434876	0.0250860008	-0.0321730924
## 71	-0.0381586949	0.0079371228	-0.040327135	0.0196851735	-0.0875010082
## 72	0.0317501557	0.0069451173	0.005627151	0.0438601744	-0.1493416228
## 73	-0.0186702579	-0.0211135440	0.040330417	0.0142799945	0.0276933945
## 74	0.0678915334	-0.0234353541	0.004827765	-0.0397063051	-0.0222384401
## 75	-0.0572066052	0.0594576647	-0.041375147	0.0255762213	-0.0123843977
## 76	0.0391794559	0.0464322685	0.032585536	-0.0500639399	-0.0703671645
## 77	-0.0489258178	-0.0184904668	-0.036126344	-0.0382878005	-0.0389313468
## 78	0.0488747402	0.0529611459	-0.035851521	0.0020033109	-0.0349921292
## 79	-0.0170386472	-0.0172601384	-0.078078945	0.0010931334	0.0017448986
## 80	-0.0284424449	-0.0498102868	0.030092096	-0.0092265872	-0.0309549542
## 81	0.0323964436	0.0130952179	0.031091734	0.0325191837	-0.0350941107
## 82	0.0111336956	0.0331632715	0.036866965	0.0019439159	0.0093925579
## 83	0.0349560936	-0.0014969207	0.058311638	-0.0409760278	-0.0108960952
## 84	0.0948513297	-0.0358362441	0.019365353	0.0264129034	-0.0111830719
## 85	-0.0552306543	-0.0507289184	0.016939900	0.1132468712	-0.0172588668
## 86	-0.0203259708	-0.0379246435	-0.099063477	-0.0772358918	-0.0089309393
## 87	0.0636046880	0.0242136389	-0.024493385	-0.0160875069	-0.0700185783
## 88	0.0811953291	-0.0141784103	0.078134390	0.0991394182	0.0159341239
## 89	-0.0698690380	-0.0493915254	-0.016025655	0.0429379291	0.0013302078
## 90	0.1073321905	0.0832677160	-0.011986051	0.0106131097	0.0354449325
## 91	0.0041169533	0.0200414059	-0.019289853	-0.0263217030	-0.0633098519
## 92	0.0192655920	-0.0181460418	0.049612556	-0.0383707968	0.0550822024
## 93	-0.0486414441	-0.0268808823	0.053125087	-0.0023353750	-0.0142713381
## 94	-0.0070535523	-0.0168988710	0.057080187	0.0590613646	0.0347144282
## 95	0.0121451411	0.0060394666	-0.071553502	-0.0668846403	-0.1220641044
## 96	-0.0148855028	-0.0714882667	-0.010970451	0.0276100336	-0.0209595210
## 97	-0.0562909247	0.0517764528	-0.014714089	0.0149778261	0.0249479671
## 98	0.0408758812	-0.0191270523	-0.026178014	-0.0601611893	-0.0946227533
## 99	-0.0160439779	-0.0480111043	0.038979601	0.0213064282	0.0371936444
## 100	0.0302082815	0.0497126734	-0.113627007	0.0413399421	0.0771839496
## 101	0.0258743999	0.0365705180	-0.039062729	-0.0240926480	-0.0025764792
## 102	-0.0382750003	0.0632144804	-0.012838685	-0.0552185937	-0.1027139552
## 103	0.0289488422	-0.0909212936	0.008722207	0.0204548599	-0.0188379179
## 104	0.0339133207	-0.0360800982	-0.044208203	-0.0480940014	0.0339574211
## 105	-0.0450229831	-0.0787305086	0.094113037	-0.0100046618	-0.0136775833
## 106	0.0477607685	0.0128698154	-0.060440345	0.0098100823	0.0280039671
## 107	-0.0410679943	0.0673624318	-0.060596406	-0.0337294309	-0.0167159036
## 108	0.0037398548	0.0045742684	0.004908469	-0.0044963271	-0.0196027646
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## 113 -0.0168748552 0.0342779624 -0.036191696 -0.0257729412 -0.0284970148
## 114 0.0242762067 0.0403607741 0.042601077 -0.0192642537 0.0545093198
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## 140 0.0152761849 -0.0110736611 -0.021172951 -0.0498710756 0.0258539397
## 141 0.0199305935 -0.0574893719 -0.011756646 0.0350437104 -0.0587250331
## 142 0.0026833830 -0.0172963088 -0.017088696 -0.1102787028 0.0106135892
## 143 0.0913453557 0.0356031198 0.043253373 0.0196797500 -0.0359195716
## 144 -0.0311493043 -0.0329933484 0.062965608 -0.0044645119 -0.0492476559
## 145 -0.0503738877 0.0191759314 -0.110953047 0.0201426537 -0.0139752824
## 146 -0.0156553622 0.0498387452 0.066876634 -0.0305271166 -0.0164306735
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## 149 0.0138253566 0.0239650474 0.015108281 -0.0880593983 0.0255509911
## 150 0.0436176962 0.0389933867 -0.011883371 0.0411522380 -0.0230842197
## 151 -0.0716317826 -0.0057770290 -0.016413254 0.0166539965 0.0391417919
## 152 0.0160701742 -0.0099105364 0.044381347 -0.0506379538 0.0084289276
## 153 0.0206610801 0.0641394518 0.049818796 -0.0489727994 0.0491769757
## 154 -0.0130485501 0.0623035701 -0.000169606 -0.0571929739 -0.0543054996
## 155 0.0740988754 -0.0354120559 -0.009007562 0.0520813287 0.0257424463
## 156 0.0257349726 -0.0056297168 0.081381781 -0.0328577141 0.0719574570
## 157 0.0135966447 0.0729951887 -0.022739208 0.0366950332 0.0223771687
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## 159 0.0569979406 -0.0057676720 -0.060833902 -0.0033319551 0.0168309484
## 160 0.0166705906 -0.0188112901 0.029948336 0.0630901962 -0.0569662327
## 161 0.0000760598 0.0176364357 0.007085119 -0.0221489232 0.0409616710
## 162 0.0651593005 0.0316604098 -0.044476714 -0.0031257410 0.0201680949
## 163 -0.0187257649 -0.0597182112 -0.047256315 -0.0561588859 -0.0065386565
## 164 0.0432935442 -0.0024594786 -0.048898559 -0.0005142076 0.0441549719
## 165 0.0119246518 -0.0552945702 -0.085053428 0.0077361194 0.0071353165
## 166 -0.0617564565 -0.0375140941 -0.017384443 0.0742094237 -0.0534802299

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## 167 -0.0032385910 0.0251572134 -0.072173592 -0.0066987026 0.0126283416
## 168 0.0207319714 -0.0326248962 0.034840940 -0.0359066988 0.0199458255
## 169 -0.0143612585 -0.0074677632 0.013112036 0.0839186729 -0.0308352131
## 170 -0.0288202387 -0.0160312740 0.045068409 -0.0696213121 0.0302943395
## 171 0.0381291246 -0.0125038367 0.080650553 0.0383634800 -0.0188949507
## 172 0.1103974084 -0.0174602558 0.023172533 0.0354112759 -0.0318560817
## 173 -0.0055252169 0.0482533669 -0.003059851 0.0338685146 -0.0785694741
## 174 -0.0417737877 -0.0042815156 0.074620708 0.0089311582 0.0227626742
## 175 0.0715944126 -0.0617157705 -0.001808584 -0.0657683830 -0.0230412626
## 176 0.0141181003 0.0062399740 0.030270689 0.0144761914 0.0186870728
## 177 0.0518505026 0.0587478544 -0.035164881 0.0618094582 0.0715499606
## 178 0.0730901812 -0.0094601415 0.027572682 0.0305387141 0.0310176957
## 179 -0.0292097786 0.0007959497 0.035582301 0.0021133421 0.0411512342
## 180 0.0543146895 0.0387467591 0.020464205 0.0138021128 0.0545450263
## 181 0.0221549684 -0.0083662692 -0.011193646 0.0288058098 -0.0724066435
## 182 0.0063394454 -0.0076456765 0.016422357 0.0161197000 0.0914012803
## 183 -0.0585415840 0.0355792747 0.031301569 -0.0388128839 0.0276696109
## 184 0.0406043126 0.0942144640 0.005258663 0.0117604470 -0.0376846475
## 185 -0.0478883335 -0.0243180709 0.077677298 -0.0156902314 -0.0711012782
## 186 0.0504672948 0.0276255257 0.048145859 -0.0634727244 0.0439318257
## 187 -0.0362492412 -0.0376106491 0.055384848 -0.0139753268 -0.0034508724
## 188 -0.0432507585 0.0114966157 -0.025068810 0.0036601067 -0.0671300030
## 189 -0.0131352394 -0.0623469019 -0.037814916 -0.0045055644 0.0482477087
## 190 -0.0607604720 -0.0365063105 -0.066898945 0.0154729800 -0.0615712366
## 191 -0.0701595551 0.0500878666 -0.038933029 0.0124822393 -0.0748939037
## 192 -0.0207718836 -0.0134697469 0.037890316 0.0229819873 0.0746157036
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## 194 -0.0667607172 -0.0237391741 0.020172112 0.0574371534 0.0232512525
## 195 -0.0497177091 -0.0235897577 0.011329256 -0.0167387980 0.0298341354
## 196 0.0022999266 0.0006017457 -0.024117518 -0.0618775251 0.1198565735
## 197 -0.0101846602 -0.0266544269 -0.022378551 -0.0300371197 -0.0079257749
## 198 -0.0698762948 0.0919343696 -0.003152988 0.0805711509 -0.0281064703
## 199 -0.0231093630 0.0123863745 0.051019145 0.0039106451 -0.0115637203
##      V446      V447      V448      V449      V450
## 1  -0.019715208 -0.0142042122 -4.197477e-02 1.734986e-02 -5.298798e-02
## 2  -0.065802899 0.0662564215 3.472787e-02 -3.222390e-02 4.312866e-02
## 3  -0.053080340 0.0126881577 -1.813599e-02 2.823871e-02 8.210832e-02
## 4  -0.030198983 0.0130888181 5.898716e-02 2.849061e-02 -1.441748e-02
## 5  -0.107913889 0.0082471460 -3.844128e-02 4.279516e-03 -2.576576e-02
## 6  0.064740802 -0.0101273871 -3.690405e-02 2.393758e-03 6.994989e-02
## 7  -0.004133683 -0.0313382651 -5.967177e-02 9.471529e-04 3.856689e-02
## 8  -0.049513976 0.0353981956 -4.785774e-02 5.404336e-02 5.286498e-03
## 9  -0.008036661 -0.0171596263 5.089490e-02 -1.347494e-02 -1.746147e-02
## 10 0.032401062 0.0425075931 -1.005658e-02 -3.706722e-02 -4.719077e-02
## 11 -0.014171976 -0.0230641893 -3.220934e-03 -2.686645e-02 -3.688954e-02
## 12 -0.010019598 -0.0217244553 -1.430603e-01 7.249433e-02 -2.460234e-02
## 13 0.090481205 -0.0172486894 -2.300686e-02 8.998299e-02 -1.459588e-02
## 14 -0.012445522 0.0182852887 5.757718e-02 2.430651e-02 5.826356e-02
## 15 -0.017768715 -0.0407986107 -5.176045e-02 2.453090e-02 1.282398e-02
## 16 0.031549653 -0.0040825486 -8.245430e-02 -1.280110e-01 1.065905e-01
## 17 0.040151232 0.0692910097 5.474972e-03 6.606960e-02 2.483623e-02
## 18 0.055131929 0.0667418443 -6.929242e-03 7.211495e-03 3.859531e-02
## 19 -0.028191551 0.0334117791 -4.659816e-04 -3.704099e-03 -2.384691e-02
## 20 0.017249770 0.0174651195 6.328499e-02 -5.604412e-02 -1.878701e-02

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## 21 -0.094614953 0.0278117486 -7.723208e-03 3.010876e-03 3.099233e-02
## 22 -0.002504819 -0.0088306216 -4.636767e-02 -8.735816e-04 -6.095623e-03
## 23 0.063852611 0.0143853917 4.402422e-02 1.470115e-02 -4.766864e-02
## 24 0.066711769 -0.0696940732 -2.265454e-02 1.181892e-02 -2.289132e-02
## 25 -0.049366020 -0.0240796540 -4.748437e-02 9.423520e-03 -6.327626e-02
## 26 0.040639856 0.0474305645 -2.365452e-02 9.358986e-03 5.518435e-02
## 27 -0.017844220 0.0214896715 -4.322066e-02 -3.329669e-02 8.878669e-03
## 28 -0.041414702 0.0291730921 -1.051701e-03 2.543626e-02 -7.932150e-02
## 29 0.054924809 0.0497907120 -5.820099e-02 4.796462e-02 4.668900e-03
## 30 -0.013939472 0.0738369609 -3.020550e-02 1.114051e-02 -9.616534e-02
## 31 0.015905591 0.0080274240 1.584063e-02 3.991685e-02 4.785974e-03
## 32 -0.006389631 0.0754390250 -2.553647e-03 2.896365e-03 4.984995e-02
## 33 -0.031387217 0.1158325846 -4.924311e-02 -1.770730e-02 5.049594e-02
## 34 -0.087819334 -0.0360166211 -6.241899e-02 8.509715e-02 5.164016e-02
## 35 0.076424290 -0.0370006140 4.122430e-02 -1.307053e-02 -3.204363e-03
## 36 0.042966173 -0.0055674214 2.119716e-02 -1.052899e-01 -3.279684e-02
## 37 0.010538893 0.0083120720 5.538871e-02 -5.182668e-02 7.258969e-02
## 38 -0.014620934 0.0649810944 6.311678e-02 1.970465e-02 -4.473285e-02
## 39 0.014475401 -0.0039269404 3.427280e-02 -1.053317e-02 1.855452e-02
## 40 0.023059285 0.0450708451 -6.480188e-02 -6.570061e-02 -7.083754e-03
## 41 0.031823920 -0.0373690333 5.073894e-03 3.176506e-02 -2.047641e-02
## 42 0.020146132 0.0741158431 -4.469102e-02 4.185134e-02 6.902309e-02
## 43 0.040144637 -0.0311179913 -2.124444e-02 -4.392910e-02 -2.582915e-02
## 44 -0.069144254 0.0490272349 -1.316786e-02 2.281457e-02 -1.215112e-02
## 45 -0.036940543 0.0181252943 3.944253e-03 6.844011e-03 -2.483452e-02
## 46 0.020907213 -0.0239613808 1.539412e-01 2.100755e-02 -5.058369e-02
## 47 0.024721449 0.0065082984 -5.859516e-02 -4.743446e-02 -7.449162e-02
## 48 0.003791607 -0.0592493815 -4.732981e-02 1.476862e-02 -4.171225e-02
## 49 0.027987948 0.0790084900 -5.692567e-02 6.143138e-02 -3.984399e-02
## 50 -0.031716886 0.0564329287 -5.423948e-02 -3.087019e-02 2.374934e-02
## 51 0.001804580 -0.0927071805 9.599318e-03 5.450129e-02 -4.801396e-02
## 52 0.032585103 0.0109919668 2.530201e-02 6.913645e-03 1.605318e-03
## 53 0.074827918 -0.0535050693 -3.611769e-02 8.112591e-03 1.002120e-02
## 54 -0.033326290 0.0279578946 -5.284513e-02 6.046856e-02 -5.954315e-02
## 55 0.007100062 0.0050098450 -3.307249e-02 4.193030e-02 6.047512e-02
## 56 0.005826562 -0.0402608522 2.208877e-02 2.612335e-02 4.608698e-02
## 57 0.041787794 -0.0572933492 9.606472e-04 4.832433e-02 -2.971867e-02
## 58 0.029041245 0.0323320199 -4.443139e-02 -8.745006e-02 -3.906875e-02
## 59 0.035121540 0.0575546676 -6.111524e-05 3.597147e-02 -5.416023e-02
## 60 0.027039711 0.0065555863 -1.889415e-02 -3.382547e-02 -4.829215e-02
## 61 0.001635409 0.0134098802 1.290279e-02 6.042610e-02 3.063916e-02
## 62 -0.038274099 0.0678975699 3.651741e-02 4.224962e-02 -3.606558e-02
## 63 0.013680923 0.0451068450 5.140727e-02 9.168296e-02 -6.200013e-02
## 64 0.015678423 0.0071410695 8.298798e-02 -3.650411e-02 -8.022349e-02
## 65 -0.052996622 -0.0398080081 3.938396e-02 6.313546e-03 8.514996e-02
## 66 -0.095034802 0.0470953649 2.387841e-03 -1.236528e-03 -4.574856e-02
## 67 0.015683954 -0.0364287855 -4.934895e-02 4.881638e-03 7.182006e-03
## 68 0.002622282 0.0335571317 -4.614539e-02 5.049260e-02 1.604599e-02
## 69 -0.056894571 0.0025230102 -1.017762e-02 -7.732988e-02 -3.245973e-02
## 70 -0.009559145 -0.0199015539 1.524266e-02 -3.979703e-02 8.603437e-03
## 71 0.032102122 -0.0125027440 9.362852e-02 1.380676e-02 -1.752067e-02
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## 74 0.008719097 0.0343071152 -6.783094e-02 -1.301217e-01 4.783240e-02

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## 79 -0.034736036 -0.0713137142 5.313011e-02 -3.084096e-02 4.406757e-02
## 80 0.035387796 -0.0465163296 -8.113808e-02 1.547829e-02 3.520536e-02
## 81 0.042336813 -0.0273759954 1.311580e-02 -2.004213e-02 -1.181421e-02
## 82 0.060908833 0.0473066468 3.438511e-03 2.703389e-02 -3.555677e-02
## 83 -0.065192573 -0.0204748772 -1.148795e-01 -6.758752e-03 -4.892052e-02
## 84 0.019839365 0.0317753261 5.782019e-02 -1.459658e-02 1.402279e-02
## 85 0.025383220 0.0113298264 8.711330e-03 4.110783e-02 -4.222495e-02
## 86 -0.041251013 0.0937992508 1.013528e-02 8.626640e-02 -4.229255e-02
## 87 -0.035647888 0.0474705714 -8.247782e-02 2.216409e-02 -7.657606e-02
## 88 0.007929107 -0.0037349522 2.021459e-02 3.991125e-03 -2.444481e-02
## 89 -0.064075348 -0.0026931193 2.605372e-02 -2.280511e-02 8.589622e-03
## 90 -0.039697679 0.0150619272 -2.852813e-02 -1.310330e-02 2.581481e-02
## 91 0.019613523 0.0179916455 -5.144809e-02 -2.317417e-02 7.294832e-02
## 92 -0.034298221 -0.1033235520 -2.692263e-02 4.094662e-03 -4.385618e-05
## 93 -0.015723079 0.0444090755 4.161850e-02 4.225338e-02 -5.634268e-03
## 94 -0.035043962 0.0536048072 -1.965114e-02 -6.104557e-02 2.451264e-04
## 95 -0.038254382 -0.0233633232 3.580279e-03 -3.389714e-02 4.568441e-02
## 96 0.027482313 -0.0545822748 -1.158673e-01 -3.910052e-02 5.352469e-02
## 97 0.068490832 -0.0246327728 -2.643019e-02 -2.719935e-04 2.816987e-02
## 98 -0.042582586 0.0352548884 -3.349662e-02 -1.602370e-02 1.141052e-02
## 99 0.061001057 0.0864165447 2.677527e-02 1.767420e-01 1.171234e-01
## 100 0.052832513 -0.0070375409 -4.806029e-02 5.502199e-02 4.114166e-02
## 101 0.001242423 -0.0487507201 1.215060e-02 -1.367687e-02 -5.215310e-02
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## 106 -0.050058452 0.0114683839 1.166517e-03 -6.215475e-04 -2.486910e-02
## 107 -0.038373396 0.0539612691 5.438145e-02 3.717510e-03 -1.308397e-02
## 108 0.072418052 -0.0486256751 7.199724e-03 -1.052060e-01 2.590467e-02
## 109 -0.003630387 -0.0105593570 -1.674677e-02 8.318661e-03 -7.560602e-02
## 110 0.017911000 -0.0044591393 -1.593388e-02 -2.799238e-02 3.601013e-02
## 111 -0.018988631 0.0308902238 -8.307770e-03 7.197052e-03 3.334046e-02
## 112 0.012616182 0.0464452144 -1.344921e-02 4.166572e-02 -3.880195e-02
## 113 0.004495201 -0.0008201314 1.296468e-02 -2.045169e-02 -3.692168e-02
## 114 -0.044740792 -0.0575256584 7.913028e-02 4.335797e-02 3.843812e-02
## 115 0.038369917 0.0350052741 2.352747e-02 5.114109e-03 1.752713e-02
## 116 -0.071132507 -0.0291095794 2.066150e-02 -4.346514e-02 4.656037e-02
## 117 -0.012022742 0.0408107874 5.799474e-02 5.692402e-02 3.867614e-02
## 118 0.002881513 0.0394830097 -4.535643e-02 2.602552e-02 -2.394768e-02
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## 121 0.101049628 0.0122548006 3.648013e-02 -4.609852e-02 -7.680690e-02
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## 127 0.081132884 -0.0470112979 -2.054176e-02 -2.222584e-02 -5.878191e-02
## 128 -0.031904446 -0.0211699879 -8.192328e-03 1.082712e-03 1.579686e-02

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## 129 0.018475327 0.0080857908 5.873888e-02 9.632477e-02 5.949482e-02
## 130 0.050442673 -0.0252958811 -4.409269e-02 -4.009474e-03 -6.450408e-03
## 131 -0.115734402 0.0373125534 -6.539607e-02 3.446969e-02 1.901230e-02
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## 134 -0.065125692 -0.0354118764 5.561216e-02 -1.712424e-02 -9.490095e-02
## 135 0.014079897 0.0072993202 -2.375140e-02 -2.271981e-03 1.283716e-03
## 136 -0.039439931 0.0042024007 -2.700026e-02 -5.242070e-02 -4.433381e-02
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## 138 0.038103100 0.0325744028 2.088184e-02 -3.131296e-02 -1.005581e-02
## 139 -0.095923034 -0.0256087357 -1.170378e-03 2.598926e-02 4.508761e-02
## 140 0.001688693 -0.0225295665 5.539471e-02 -4.226295e-02 7.185296e-03
## 141 -0.020843151 0.0611821866 3.691445e-02 -6.954807e-02 6.249626e-02
## 142 0.033127679 0.0331518173 3.453504e-02 5.566411e-03 4.523206e-02
## 143 0.006815774 -0.0639732266 7.709261e-02 5.275411e-02 -1.068442e-01
## 144 0.033258764 0.0259012933 2.706716e-02 -1.734611e-02 8.403803e-03
## 145 0.094065112 -0.0902936425 7.851576e-03 7.827889e-02 -2.395797e-02
## 146 0.057766835 -0.0380282214 -3.980157e-03 1.187375e-02 6.050630e-02
## 147 0.004184778 -0.0063033623 2.347800e-02 1.330209e-03 2.401911e-02
## 148 0.032212736 -0.0536656061 6.906818e-02 -2.757460e-02 6.679455e-02
## 149 -0.020409993 0.0056156385 -5.330830e-02 6.331822e-03 2.889571e-02
## 150 -0.018481295 -0.0228615857 5.007955e-02 -4.618265e-02 -7.947973e-03
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## 153 0.032162481 -0.0030390044 5.701761e-02 -5.431980e-02 1.170031e-02
## 154 0.009582536 0.0353694543 -1.440192e-02 1.920695e-02 1.964189e-02
## 155 0.049229010 0.0104099963 8.271437e-03 -3.752277e-02 1.598654e-02
## 156 -0.073279430 -0.0621555730 3.746070e-02 -2.451286e-02 -7.373724e-02
## 157 -0.044770362 -0.0476417704 6.621421e-02 3.215962e-02 5.497232e-03
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## 164 -0.049373556 -0.0081824782 9.381134e-02 3.857007e-03 -1.089559e-01
## 165 0.031860380 -0.0883233408 -5.115070e-02 -1.902937e-02 -1.116649e-02
## 166 -0.018714590 -0.0528151624 4.256743e-02 4.438554e-02 3.701956e-02
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## 170 0.023737610 -0.0452340664 -4.918911e-03 3.018295e-02 3.766823e-02
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## 184 0.033143149 0.0497459184 -1.139714e-01 -4.014649e-02 3.000828e-02
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## 186 0.069041303 -0.0249222730 2.192440e-02 4.758250e-02 -3.359724e-02
## 187 0.012197374 -0.0422713960 -4.932346e-02 -3.980439e-02 8.257877e-02
## 188 -0.021931022 0.0745776212 4.683965e-02 -3.146484e-02 -3.965001e-02
## 189 0.076701138 0.0039311930 1.812598e-02 -7.029890e-02 7.281109e-03
## 190 0.046120135 -0.0053024973 3.792505e-02 -2.607940e-03 -4.090405e-02
## 191 -0.055751121 -0.0864890827 -5.024570e-02 -3.581191e-02 -5.964248e-03
## 192 -0.067894122 0.0194997571 -5.219945e-02 1.323614e-02 -2.242523e-03
## 193 0.007858388 -0.0345115141 3.896308e-02 2.977105e-02 1.245677e-01
## 194 -0.038356244 0.0183271147 -2.489852e-03 6.983068e-03 3.039410e-03
## 195 -0.019281476 -0.0083108864 6.654618e-02 -1.071924e-02 7.312812e-02
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## 198 0.012203970 0.0340115791 4.945283e-02 2.849315e-02 -2.822489e-02
## 199 -0.018210204 -0.0580117011 4.668743e-02 -1.252576e-02 1.816535e-02
##          V451          V452          V453          V454          V455
## 1  1.747968e-02 8.465913e-03 0.0354976083 -0.0368467198 0.051888661
## 2 -4.623686e-03 5.417762e-02 0.0458381984 -0.0616371246 0.044534625
## 3 -3.645503e-02 -9.952592e-02 0.0336882215 0.0290111404 -0.048897380
## 4 -3.050392e-02 -1.570671e-02 0.0115522808 0.0466455402 -0.036401726
## 5 -1.499721e-02 2.558094e-03 -0.0427084324 -0.0007048591 -0.025798637
## 6  8.468696e-02 4.252520e-03 -0.0194112299 0.0090472546 -0.031072479
## 7 -1.282478e-02 -2.759324e-02 0.0053272854 -0.0347192706 0.087761456
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## 16  1.768344e-02 -5.932471e-02 -0.0552478382 -0.0031772302 -0.013347567
## 17 -2.514166e-02 -4.737238e-02 0.0280618422 0.0004848592 -0.009870041
## 18  4.467024e-02 -3.386898e-02 0.0429682690 -0.0257315512 -0.013258388
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## 20  3.526339e-02 8.664000e-03 0.0667906647 0.0351087552 -0.044948248
## 21 -8.586243e-03 -6.054248e-02 -0.0189994422 0.0601304119 0.039526861
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## 25  1.701702e-02 -5.350513e-03 0.0023414515 -0.0077912056 0.029318235
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## 44 -4.767177e-02 2.340894e-02 0.0008173203 -0.0260796404 0.027800562
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## 46 3.750762e-02 -1.158032e-03 -0.0052949878 -0.0967687750 0.003932058
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## 49 -2.569751e-02 -4.516065e-02 -0.0489694538 0.0404080628 -0.066928839
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## 57 -7.545227e-02 -4.425974e-03 0.0427858159 0.0051174134 0.031014839
## 58 4.104937e-02 -7.591870e-02 0.0234014088 -0.0022796012 -0.041275957
## 59 -1.460200e-03 -8.406972e-02 -0.0235931176 0.0313410035 -0.092728574
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## 61 2.032335e-02 1.305335e-03 -0.0088571827 0.0397477157 -0.009573014
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## 63 4.551365e-02 -2.139880e-02 -0.0101468549 -0.0290144200 -0.009280027
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## 111 -7.334750e-03 -3.822457e-03 -0.0406062888  0.0071365711 -0.110461264
## 112 5.728888e-05  4.888915e-02 -0.0575744575  0.1038530622  0.040157618
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## 142 4.413070e-02  4.820666e-02  0.0404637621 -0.0340046854 -0.028261117
## 143 -1.406035e-02 -2.882700e-02 -0.0443239363  0.0092631072  0.094513765
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## 149 5.038203e-03 5.077220e-02 0.0055303777 0.0440548087 0.016142160
## 150 4.705525e-02 1.048212e-02 -0.0158620931 0.0787707001 0.002042525
## 151 3.171784e-02 -4.123400e-02 -0.0042915826 -0.0406906320 0.031269753
## 152 8.959810e-03 -4.284867e-02 -0.0340936386 0.0188655077 -0.034594266
## 153 -3.941919e-03 -6.831872e-02 0.0384464570 -0.0351906750 0.052586479
## 154 -4.349603e-03 9.635085e-03 -0.0152604365 -0.0644323967 0.060068238
## 155 1.953393e-03 -1.244883e-02 -0.0007334085 -0.0014385596 -0.014831029
## 156 1.467949e-02 3.581814e-02 0.0244673217 0.0166358788 0.003671577
## 157 9.268150e-05 -4.645543e-02 -0.0084576049 -0.0008571906 0.033255813
## 158 1.046860e-01 -3.786487e-02 0.0258348017 -0.0136004203 0.021525991
## 159 3.819740e-03 -3.606173e-02 -0.0471909372 0.0059877799 -0.090951557
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## 161 3.466311e-02 -2.378864e-02 -0.0339279272 0.0172476926 0.022085946
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## 163 9.634635e-03 2.747105e-03 0.0297916346 0.0386529192 0.001986615
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## 165 -1.037787e-02 5.520670e-02 -0.0204957698 0.0007061357 0.003230164
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## 180 4.569724e-02 7.680830e-02 -0.0051621411 -0.0122918554 -0.097523923
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## 183 -4.147597e-02 -3.871650e-02 0.0470696607 0.0259793011 -0.034703642
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## 185 -4.512315e-02 -3.905575e-02 0.0381789480 0.0718870902 0.027347783
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## 192 -4.305905e-02 -2.333584e-02 0.0607835820 0.0164206011 0.008993487
## 193 -7.244371e-02 -3.673015e-02 -0.1144555389 0.0512453490 -0.013162267
## 194 5.724090e-03 -6.804134e-02 -0.0429906374 0.0085173488 0.007090930
## 195 1.889545e-02 -1.828877e-02 -0.0637905402 -0.0392907490 0.053169033
## 196 -6.381992e-02 5.985460e-02 -0.0077444955 0.0750466837 -0.021063689
## 197 -4.583768e-02 -2.521305e-02 0.0288790989 0.0145615334 0.057482811
## 198 5.525694e-02 -4.366861e-02 -0.0213786774 0.0164134159 0.002344218

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## 199	2.577466e-02	2.278610e-02	0.0179791619	0.0556402596	0.053098963
##	V456	V457	V458	V459	V460
## 1	-1.751952e-02	-2.407297e-02	-0.0163656028	-3.040227e-02	0.0966166864
## 2	-4.757762e-02	6.291400e-03	0.0159564040	7.947563e-02	0.0497950256
## 3	-2.166231e-02	-1.937983e-02	0.0446850104	-4.791859e-02	-0.0256490722
## 4	1.022737e-02	2.205715e-02	0.0291189665	2.988313e-02	0.0515443026
## 5	-4.024210e-02	7.424847e-02	-0.0050729762	-1.062989e-02	0.0184091353
## 6	-3.476363e-03	-3.699647e-02	0.0162603787	-9.570773e-03	-0.0175466355
## 7	-7.206013e-02	6.674919e-04	-0.0050394740	1.921468e-02	-0.0058588802
## 8	-7.392027e-03	-2.338184e-02	0.0231406329	-3.387542e-03	-0.0011531352
## 9	-6.121589e-02	-1.711208e-05	-0.0836476109	-2.532745e-02	0.0093486648
## 10	-1.616480e-02	4.487922e-02	0.0239544410	3.540597e-02	-0.0053069827
## 11	-9.536493e-02	3.609856e-02	0.0269136146	-3.545664e-02	0.0555101373
## 12	6.369905e-02	4.634616e-02	0.0202698867	-1.695853e-03	-0.0121665626
## 13	-1.352675e-02	-7.362306e-02	0.0262715510	-1.161390e-02	0.0276105730
## 14	6.514964e-02	-1.678155e-02	-0.0280830998	-4.984686e-02	-0.0254291004
## 15	1.023663e-02	1.127310e-02	0.1415422368	-4.644778e-03	0.0129681797
## 16	-9.649287e-02	-6.415662e-02	-0.0777063222	-1.336953e-02	0.0407138125
## 17	2.542328e-02	1.152929e-03	0.0330724549	-1.134221e-03	-0.0373819710
## 18	-9.809270e-02	-4.340651e-02	-0.0368791729	5.507409e-02	-0.0435094568
## 19	9.399123e-03	1.406619e-02	0.0008585623	3.487415e-03	0.0060748071
## 20	-4.781385e-02	-2.840860e-02	-0.0102931672	-2.783581e-03	0.0123829671
## 21	-3.545299e-02	-2.465021e-02	0.0283908195	-3.106693e-02	0.0178116101
## 22	-2.698118e-02	1.199973e-02	0.0496273739	6.678610e-02	-0.0852955089
## 23	1.162516e-02	1.172142e-02	-0.0686741168	1.984974e-03	0.0689716709
## 24	6.975357e-02	-2.633757e-02	-0.0263596147	-1.319795e-02	-0.0353327108
## 25	-4.957895e-02	-4.912548e-02	-0.0471126787	3.593708e-03	0.0539274374
## 26	-4.027325e-02	6.110373e-02	0.0118733928	-3.480437e-02	0.0444580503
## 27	5.545840e-02	1.176199e-01	0.0062391877	8.449466e-03	0.0239961243
## 28	-1.448782e-02	9.268522e-03	0.0295484741	-2.472355e-03	-0.0079155493
## 29	4.022891e-02	-9.176598e-03	-0.0916066337	5.688452e-02	-0.1433637045
## 30	1.431643e-02	-7.388809e-02	-0.0918266431	-4.377915e-02	0.0512321175
## 31	6.388960e-02	-3.522344e-02	-0.0231242397	-3.497694e-02	0.0043038985
## 32	-2.845256e-02	5.874510e-02	-0.0513067163	-2.525533e-02	-0.0270085906
## 33	-3.403368e-04	-3.356735e-03	-0.0209871689	-2.942147e-02	-0.0359936575
## 34	-1.374445e-03	2.868156e-02	-0.0275830753	6.923420e-02	0.0369816622
## 35	4.105829e-02	-2.836766e-02	0.0041855487	-4.189222e-02	0.0012351707
## 36	-6.476218e-02	2.988504e-02	0.0149060837	4.196393e-02	0.0536960431
## 37	1.637635e-02	-2.774183e-02	0.0307680769	3.961942e-02	0.0456441783
## 38	-1.253681e-02	-8.101691e-02	-0.0707764620	8.824901e-03	-0.0445797199
## 39	-5.498216e-02	-8.054902e-02	-0.0394797658	-1.087713e-03	0.0289651517
## 40	-4.863653e-02	4.597925e-02	-0.0214480348	5.282919e-03	-0.0094061091
## 41	-1.214875e-02	4.872229e-03	0.0080835685	1.083155e-01	-0.0049489094
## 42	-2.105478e-02	-2.982686e-02	-0.0716843248	-2.856446e-02	-0.0588029006
## 43	-9.207012e-02	4.548645e-02	0.0791921762	-3.371516e-02	0.0339400837
## 44	3.870944e-02	-1.656988e-02	-0.0491157789	-5.760318e-02	-0.0224031610
## 45	-6.952996e-02	4.061854e-02	0.0134215650	4.400997e-02	-0.0646158945
## 46	9.748838e-02	-1.462558e-02	-0.0022760572	-3.231043e-02	-0.0268848876
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## 50	3.559229e-02	-3.898816e-02	0.0288928020	-8.999446e-03	0.0357830519
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## 54 -4.844465e-02 -6.459216e-02  0.0272477807 -1.707808e-02 -0.0001383300
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## 67 -3.368333e-02 -6.258792e-02 -0.0573905546  5.462958e-02  0.0079171358
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## 122 -5.843136e-02 -7.017310e-02 0.0337625430 1.084423e-01 0.0189235352
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## 128 -1.163951e-02 8.732557e-02 -0.0158577482 -7.103806e-02 0.0496312687
## 129 -1.848028e-02 -6.922711e-02 -0.0410385629 7.780902e-03 0.0056341075
## 130 -7.917044e-02 -5.084726e-02 0.0535413455 -1.223702e-02 -0.0355624813
## 131 2.067587e-02 5.467450e-02 -0.0309090095 4.534640e-02 -0.0341885349
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## 140 4.244867e-02 5.340498e-02 -0.0207417770 1.865039e-02 0.0502714470
## 141 2.383549e-02 -6.233465e-02 0.0945113325 -2.577540e-02 0.0865909202
## 142 -3.621471e-02 2.453495e-02 -0.0199698582 5.790852e-03 0.0435872023
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## 160 -6.310211e-02 5.517537e-02 0.0660082592 -4.037756e-02 -0.0533230133

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## 161 -6.871244e-02 -5.806695e-02 0.0024826983 -4.340736e-02 -0.0178344701
## 162 7.716993e-03 2.156610e-02 0.0034816694 -1.457010e-02 -0.1320555183
## 163 4.064363e-02 -5.040976e-02 0.0584473126 1.777104e-03 -0.0670901682
## 164 2.490408e-02 -3.942457e-02 0.0529188015 -4.208455e-02 -0.0276174370
## 165 8.505088e-03 6.989341e-02 0.0107445522 -1.652179e-02 0.0091600652
## 166 6.736985e-03 -5.906995e-02 0.0328117802 -3.019083e-02 -0.0069514683
## 167 2.981929e-02 -8.726959e-02 0.0363512903 7.795507e-03 0.0125666243
## 168 5.504332e-02 -1.967498e-03 0.0089013265 -3.478347e-02 -0.0454420256
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## 170 4.563066e-02 1.350502e-02 -0.0026180586 -3.260178e-02 0.0391695092
## 171 -2.937862e-02 -2.828818e-02 0.0276381158 1.267869e-03 0.0009500412
## 172 2.064937e-02 6.552359e-03 -0.0283033976 -5.680524e-02 -0.0409988009
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## 178 -2.290216e-02 -6.657943e-02 0.0576583185 2.181457e-02 -0.1014181859
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## 181 3.214491e-02 -5.511458e-02 -0.0253692142 2.255324e-02 0.0690054821
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## 184 3.811698e-03 -3.188935e-02 0.0322470328 -5.193843e-02 0.0826000408
## 185 1.788262e-02 -1.166297e-02 -0.0245939310 3.486003e-02 0.0201602688
## 186 -3.591516e-03 4.366365e-02 0.0148484979 -6.226738e-02 0.0501878432
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## 196 1.421232e-02 -2.352022e-02 -0.0039241963 6.247362e-02 0.0278221763
## 197 7.713400e-02 -4.876526e-03 0.0027953680 2.228646e-02 -0.0769325950
## 198 -1.728671e-02 1.645687e-02 0.0041127647 1.504104e-02 -0.0101944928
## 199 -3.021609e-02 1.165934e-03 0.1340141325 1.074340e-02 0.0050418082
##          V461          V462          V463          V464          V465
## 1  -0.0061926345 -0.0019699709 0.0203259049 0.0232321039 -5.103576e-02
## 2  -0.0155129577 -0.0154880016 0.0090773916 0.0495320105 2.389113e-02
## 3   0.0164968459 0.0045065477 0.0115661702 -0.0725933454 -6.858073e-02
## 4   0.0504953079 0.0409174883 0.0591699603 -0.0121641135 6.279758e-03
## 5  -0.0106634752 0.0990517033 0.0514308013 0.0036000929 1.925467e-02
## 6  -0.0500711684 0.0064795737 -0.0114278452 -0.0260793301 -1.143807e-03
## 7  -0.0418648054 0.0167816213 0.0151589885 0.0029550166 3.122965e-05
## 8   0.0505580246 0.0949415336 -0.0535549441 -0.0123848635 -5.782711e-02
## 9   0.0447091116 -0.0418433350 0.0071372406 0.0036722472 3.373707e-02
## 10 -0.0049176752 0.0193329319 -0.0096303068 0.0517580219 2.689376e-02
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## 12 -0.0413280079 0.0169116228 -0.1094302551 -0.0392929653 -5.813924e-02
## 13 -0.0309224333 -0.0235972742 0.0351686077 0.0124993907 2.989673e-02
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## 15 -0.0666462812 -0.0231202339 -0.0094218390 -0.0908020141 -3.855649e-02
## 16 0.0048780550 0.0286415833 0.0272073626 -0.0077909174 -3.177497e-02
## 17 -0.0402545304 0.0197244754 0.0244626743 -0.1461334404 -6.801952e-02
## 18 -0.0208295213 -0.0629317904 -0.0387567023 -0.0668167611 1.328551e-02
## 19 -0.0614547904 0.0463458080 0.0207312678 0.0228225494 -6.269975e-02
## 20 -0.0342612142 0.0218152822 -0.0166543592 -0.0633567834 3.660915e-02
## 21 -0.0810278107 -0.0901749672 0.0308430214 0.0697291783 4.805848e-02
## 22 -0.0646465222 0.0287931906 0.0392071015 0.0398509639 -8.602611e-04
## 23 0.0361008421 0.1492872415 -0.0622433712 0.0174800662 3.846013e-02
## 24 -0.0359776549 0.0497805339 0.0218634180 0.0551049085 7.132576e-03
## 25 -0.0198818567 -0.0213950424 -0.0100771491 -0.0029404800 -8.606023e-03
## 26 -0.0022977352 0.0096353646 0.0605636093 0.0759399972 -5.192077e-02
## 27 -0.0791193810 -0.0552475961 0.0518948311 0.0126512687 -1.147563e-01
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## 36 -0.0836939653 -0.0285622600 -0.0016477836 -0.0117893221 -3.907370e-02
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## 38 -0.0831013186 -0.0265722404 -0.0031308295 -0.0097410322 -6.650706e-02
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## 42 -0.0188302852 -0.1178737130 -0.0403725002 0.0088971509 7.147061e-07
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## 45 0.0086973209 0.0059640967 -0.0917989930 0.0757760246 -8.068689e-03
## 46 -0.0230540335 0.0024319903 -0.0558728770 0.0044252642 -4.980974e-02
## 47 -0.0529547550 0.0285300142 -0.0070836369 -0.0584308688 2.278677e-02
## 48 0.0141147770 0.0867411408 -0.0603967434 0.0366513263 9.901287e-04
## 49 -0.0254515062 0.0246002683 -0.0697727508 -0.0042299297 -4.784824e-02
## 50 0.0947586690 0.0586672840 -0.0190213848 0.0332467961 1.506240e-02
## 51 0.0657609402 0.0022532894 0.0366554617 0.0111742380 -1.056670e-04
## 52 0.0377337528 -0.0164906070 -0.0377735879 -0.0197402040 -7.111504e-02
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## 68 0.0396241044 0.0555462962 0.0148976024 -0.0152719630 -7.746382e-03

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## 69	0.0166285037	-0.0584396247	-0.0347042014	-0.0135816978	-1.011870e-01
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## 71	0.0057215647	-0.0300489401	0.0220480661	-0.0142076919	3.907056e-02
## 72	0.0036605932	0.0152960803	-0.0674451721	-0.0036530898	-8.910706e-02
## 73	-0.0147686912	0.0319236466	0.0051041466	-0.0467825887	1.608484e-02
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## 75	0.0993457708	0.0530530646	-0.0104763371	-0.0648639112	-9.495015e-03
## 76	0.0010470870	0.0034795071	-0.0210998502	-0.0062767129	5.337096e-03
## 77	-0.0137442000	0.0456574453	-0.0231576336	0.0422236173	1.464630e-02
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## 79	-0.0410849586	-0.0094810518	-0.0283799655	-0.0154669280	-8.180072e-02
## 80	0.0280605638	-0.0406230972	0.0409781260	0.0321936532	2.255361e-02
## 81	0.0151466043	-0.0050364656	-0.0039110530	0.0116367194	1.000886e-02
## 82	0.0198509680	-0.0081501175	0.0489588472	-0.0576114611	3.590025e-03
## 83	-0.0347136534	0.0359283936	-0.0086059591	0.0518282907	-4.759798e-02
## 84	-0.0234568503	-0.0419387814	0.0192998869	-0.0178164673	-1.434368e-02
## 85	-0.0548909838	0.0090796572	0.0410342666	0.0053886311	-3.498669e-02
## 86	0.0614987638	0.0607018460	-0.1426621787	0.0306734067	3.839952e-02
## 87	-0.0199298880	0.0023769378	-0.0623926831	-0.0206310055	-2.472610e-02
## 88	0.0651187595	-0.0002797459	0.0328932888	-0.0306584705	4.114596e-02
## 89	0.0276898528	0.0718652006	-0.0733590745	0.0025273478	7.193866e-02
## 90	-0.0269833369	-0.0530126618	0.0469781115	0.0197189372	-3.306611e-02
## 91	0.0192006971	-0.0369281200	0.0104697962	0.0578451445	4.731131e-02
## 92	-0.0021826215	0.0291382877	0.0106230611	0.0955910082	-4.386747e-02
## 93	0.0554576304	0.0533479324	-0.0749642780	-0.0161280493	2.615693e-02
## 94	0.0574109105	0.0673748784	-0.0291816458	0.0260448546	2.511243e-02
## 95	0.0924605626	0.0440241419	0.0079255443	-0.0102362596	-2.034110e-02
## 96	0.0206610760	0.0191655343	0.0173325098	0.0219210260	2.800691e-02
## 97	-0.0206234685	0.0669781987	-0.0078777792	-0.0143943028	4.359434e-03
## 98	-0.0723586355	0.0646865703	0.0046075745	0.0279074666	-1.221874e-01
## 99	-0.0703014575	0.0369934011	-0.0361522730	-0.0453368294	-1.052197e-02
## 100	-0.0247997269	0.0057847074	0.0340083278	-0.1304478590	9.228401e-02
## 101	0.0758342454	-0.0067918100	-0.0859509563	0.0941313413	3.112823e-02
## 102	-0.0370797760	-0.0164704705	0.0535243601	-0.0194370812	6.396698e-02
## 103	-0.0468152980	-0.0347222890	0.0239407584	0.0634579730	-4.108202e-02
## 104	-0.0353747866	0.0559456641	0.0523120241	0.0387464692	5.578165e-02
## 105	0.0268559205	0.0069893555	-0.0057987902	-0.0656670105	4.424037e-02
## 106	0.0465191517	0.0027174999	0.0535645888	0.0255475748	-7.231875e-02
## 107	0.0048770393	0.0202076123	-0.0473678679	-0.0167156307	1.210534e-02
## 108	-0.0381983716	-0.0248879958	0.0152319502	0.0688729053	7.939604e-02
## 109	0.0705137444	-0.0768930353	-0.0259153719	0.0074556553	-5.954034e-02
## 110	0.0134275971	0.0565901595	0.0004421175	0.0252342523	2.287160e-02
## 111	-0.0288806894	-0.0598607161	0.1216096277	0.0382003191	-1.160503e-02
## 112	0.0084895907	-0.0625751253	0.0188311637	0.0199597391	2.012146e-02
## 113	0.0109709042	-0.0382647291	-0.0066870431	-0.0072228091	-1.063534e-02
## 114	-0.0108678466	-0.0096445943	-0.0126472477	-0.0310862082	2.920332e-03
## 115	0.0143492139	0.0466981157	-0.0760284470	0.0628766507	-5.872276e-03
## 116	0.0293038066	-0.0813280863	-0.0060024473	0.0004052495	-5.643744e-02
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## 118	0.0202810328	-0.0201283972	0.0097097409	-0.0300335588	1.788134e-02
## 119	-0.0133837656	-0.0521633532	0.0141993920	-0.1022519382	3.518967e-02
## 120	0.0346360908	0.0179321370	-0.0204798789	-0.0474024043	-3.120554e-02
## 121	-0.1300400240	-0.0222531167	-0.0358869680	-0.0488010595	4.598133e-02
## 122	-0.0601690036	-0.0190145594	0.0868793536	-0.0794482755	-1.791884e-02

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## 123 -0.0321557041 0.0345790544 0.0015928237 0.0310740025 4.792469e-02
## 124 -0.0748541453 0.0276930529 -0.0764704360 -0.0313795742 -2.070851e-02
## 125 0.0573271179 0.0333617059 0.0054835693 0.0409755402 -1.597370e-03
## 126 -0.0118342880 -0.0313332960 0.0010407457 0.0159414337 1.228796e-01
## 127 0.0403380614 -0.0473152249 -0.0540930312 0.0025374596 -1.031978e-02
## 128 0.0736362576 0.0466008213 -0.0358986532 -0.0763619921 -1.442548e-02
## 129 0.0242007978 -0.0659858901 0.0932859483 -0.0387229770 5.293428e-02
## 130 0.0121843292 0.0015788452 -0.0304637767 0.0417870340 4.772119e-02
## 131 -0.0127791357 0.0944046246 -0.0319538197 -0.0555044097 -5.035420e-02
## 132 -0.0345344044 0.0397227644 0.0216103111 0.0455249982 -2.909793e-02
## 133 0.0174489017 0.0460789952 0.0166515358 0.0261761079 5.276556e-02
## 134 0.0289254193 0.0883383246 0.0377978086 0.0189739067 -1.815007e-02
## 135 0.0163026980 -0.0184592891 0.0444381758 0.0288730828 -2.044595e-02
## 136 -0.0191807016 -0.0057249256 -0.0624868132 0.0347268816 -5.305376e-02
## 137 0.0564367328 -0.0354631595 0.0209404596 0.0160042940 2.780759e-02
## 138 -0.0262771015 0.0012509024 -0.0648048550 0.0177002595 -1.666957e-02
## 139 0.0170309932 -0.0113381363 0.0213936166 -0.0704050785 3.380508e-02
## 140 0.0498943301 -0.0714503959 -0.0490545007 -0.0340223806 -4.952082e-02
## 141 0.0358851018 -0.0186135604 0.0064714397 -0.0183265013 -2.132536e-02
## 142 0.0634817390 -0.0197024798 -0.0320894488 0.0245336228 -4.515064e-02
## 143 -0.0559737477 -0.0094428901 0.0820436853 -0.0367181014 -4.028922e-02
## 144 -0.0249234120 0.0299870659 0.0476675245 0.0932457089 -1.218943e-03
## 145 -0.0425902632 0.0119523429 0.0008904724 -0.0064807437 5.367191e-02
## 146 -0.0199831529 0.0285336770 0.0689118770 -0.0388732231 -1.999583e-03
## 147 -0.0358472322 0.0150102424 0.0153080992 0.0399256748 3.231588e-02
## 148 -0.0443036340 -0.0407604683 -0.0054816027 0.0615706059 1.820344e-02
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## 150 -0.0660892782 -0.0477745063 0.0095632281 0.0379202626 -4.933301e-02
## 151 -0.0472992089 -0.0035440540 0.0128325398 -0.0174061893 2.838375e-03
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## 153 -0.0166157597 -0.0472568137 -0.0493648125 -0.0093262441 1.822199e-02
## 154 0.0395974635 0.0102993716 0.0599666647 0.0677443721 3.405523e-02
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## 158 -0.0392672590 0.0252502465 0.0524258811 0.0216312473 7.720276e-03
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## 161 0.0411820656 0.0122170467 0.0374764032 0.0048493836 2.513981e-02
## 162 -0.0133918308 0.0062312592 0.0024184449 -0.0077711725 -4.774395e-02
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## 167 -0.0333111868 0.0272711335 -0.0035378610 0.0170911967 -1.327841e-02
## 168 0.0288591951 0.0405856859 0.0138011878 0.0366934521 -1.266129e-02
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## 172 0.0081115283 0.0069847427 0.0801181704 -0.0408628301 2.081293e-02
## 173 0.0639248507 0.0348385154 0.1002871834 -0.0764145231 5.254853e-02
## 174 -0.0694468012 -0.0208421713 0.0468769076 -0.0249365571 6.038513e-02
## 175 0.0271409121 0.0487549021 0.0411714064 -0.0286925400 2.922405e-02
## 176 0.0591591824 -0.0359413159 -0.0025873628 -0.0579490504 -7.347593e-03

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## 177	0.0461932594	0.0156545318	0.0370465334	0.0146666037	-1.341622e-03
## 178	0.0456062468	-0.0375870410	-0.0057523392	0.0078360595	-5.593143e-02
## 179	0.0077855254	0.0045974577	-0.0003547209	-0.0024124294	5.380094e-02
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## 181	0.0145939444	0.0180746083	0.0697725860	0.0351030276	-5.994073e-02
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## 184	-0.1115975234	0.0166606848	0.0158559055	0.0032157897	-6.829232e-02
## 185	0.0948613201	0.0544743183	0.0674905260	-0.0625166423	2.392017e-02
## 186	-0.0751212538	-0.0579297821	-0.0181047388	0.0137827930	-4.277459e-02
## 187	-0.0621063579	0.0359873211	-0.0561674204	0.0208979286	-4.046601e-02
## 188	-0.0969839232	0.0788458581	-0.0529465461	0.0111705512	1.713114e-02
## 189	0.0363932653	-0.0517153694	0.0959768529	-0.0526356483	1.868710e-02
## 190	0.0125153384	0.0571615759	0.0258688069	-0.0316477287	-6.429409e-03
## 191	-0.0202288259	0.0187389514	0.0774580139	0.0042377656	1.280259e-02
## 192	-0.0137001168	0.0415946436	0.0438344672	-0.0071017701	-4.699365e-02
## 193	-0.0416901119	0.0405846913	-0.0214414038	0.0536711697	-6.855040e-02
## 194	0.0530152183	0.0646899186	0.0147694379	0.0703812323	-7.152429e-02
## 195	0.0781755763	-0.0267697901	-0.0130949775	0.0078123116	7.071848e-03
## 196	0.1211153438	-0.0425041927	-0.0780733041	0.0305290263	-8.854735e-02
## 197	0.0422781970	-0.0357508808	0.0228813695	0.0384832532	7.635352e-02
## 198	-0.0260633293	0.0648005933	0.0191581796	-0.0559334555	-9.313159e-03
## 199	-0.0213988403	-0.0643876447	0.0060517354	0.0372729397	1.186857e-01
##	V466	V467	V468	V469	V470
## 1	0.0658573207	-0.0267202594	-3.722562e-03	-0.0790437154	2.126451e-02
## 2	-0.0003576153	-0.0649878972	5.102480e-03	-0.0750597594	-1.293360e-02
## 3	-0.0219136888	-0.0317826911	1.652327e-02	0.0134585989	5.628421e-02
## 4	-0.0185091735	0.0810068632	2.184024e-02	0.0312361119	7.253463e-04
## 5	-0.0833150963	-0.0126253843	-2.156791e-03	0.0152258061	-6.402883e-03
## 6	0.0173567139	0.0615967225	-4.942509e-02	0.0566065343	-3.694039e-02
## 7	0.0027885080	0.0809327702	-5.824209e-02	0.0154772945	-2.436690e-02
## 8	0.0758307591	-0.0341345758	-9.617064e-02	0.0285744066	-5.314625e-02
## 9	-0.0180674823	-0.0151928605	3.349736e-02	0.0566983801	-7.414251e-03
## 10	0.0502688027	-0.0416449834	-5.770655e-05	-0.0276612092	2.889802e-02
## 11	0.0732882097	-0.0320504027	-7.824341e-02	-0.0197117726	4.233152e-02
## 12	0.0174263042	0.0432540059	4.240907e-02	-0.0020192771	5.308736e-03
## 13	-0.0112127310	-0.0114021017	4.357571e-02	-0.0067091607	-2.477313e-03
## 14	-0.0949307851	-0.0994849510	-8.647032e-03	-0.0018570463	7.265272e-02
## 15	-0.0063667476	-0.0508743351	-1.488597e-02	-0.0530702732	2.479854e-02
## 16	-0.0268055436	-0.0632759386	-4.865660e-02	-0.0102997253	1.493322e-02
## 17	0.0557000214	-0.0410283905	4.089776e-02	-0.0796458667	-2.263932e-02
## 18	-0.0087118662	0.0076160483	1.485774e-02	0.0206484180	2.509327e-02
## 19	0.0253620689	0.0611369458	-3.446426e-03	-0.0650478673	4.322258e-02
## 20	0.0546302074	-0.0226127184	1.193755e-02	0.0427943505	-3.464596e-02
## 21	0.0334362948	0.0039373131	-2.005440e-02	-0.0010883196	5.456685e-02
## 22	0.0023797536	0.0507037464	5.552392e-02	-0.0002427772	1.658826e-02
## 23	-0.0041523352	-0.0146865000	-8.934694e-02	-0.0054261961	-3.676232e-02
## 24	0.0335865426	0.0417067046	-5.700756e-02	0.0450761958	-2.360730e-02
## 25	-0.0524839003	0.0150078353	-1.227945e-03	0.0476298703	-7.025103e-02
## 26	-0.0519892448	-0.1016894103	-3.428032e-02	0.0952081334	2.401752e-02
## 27	-0.0602153501	-0.0038646123	-2.063014e-02	0.0422867650	1.911931e-02
## 28	-0.0658034800	0.0692598742	8.716829e-02	0.0097576111	3.584772e-02
## 29	-0.0844810937	-0.0497156131	2.508177e-03	-0.0307626696	4.117293e-03
## 30	-0.0318256354	0.0879576649	-3.966077e-02	-0.0135159266	-2.745827e-02

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## 31 0.0377046799 0.0132962186 1.682541e-02 -0.0179389198 -2.247923e-02
## 32 0.0012125372 0.0273068300 5.205081e-02 0.0267657564 3.270546e-02
## 33 -0.0112000874 -0.0134904878 7.320371e-02 -0.0843866239 3.159825e-02
## 34 0.0050549639 0.0327719303 -1.855374e-02 -0.0134642817 -3.764022e-02
## 35 -0.0239156474 -0.0398488033 9.336876e-03 -0.0271791955 8.094438e-02
## 36 0.0046006102 -0.0224130979 7.488837e-03 -0.0531413303 -5.416145e-02
## 37 0.0798687316 -0.0186971453 -3.559602e-03 -0.0399400584 1.161432e-01
## 38 -0.0125557293 -0.0852189886 -1.203523e-02 -0.0184075274 2.091240e-02
## 39 0.0296017086 -0.0847404484 -1.924185e-02 0.0104333972 -5.123987e-03
## 40 -0.0057649371 -0.0317663219 2.712259e-02 -0.0264574482 -6.536391e-02
## 41 -0.0371456426 0.0319056457 1.026395e-02 0.0005236535 2.581136e-02
## 42 -0.0237716645 -0.0144838049 7.083068e-03 -0.0673397005 -6.639367e-03
## 43 0.0396233391 0.0030506933 -1.068658e-01 -0.0235044192 -9.611959e-02
## 44 0.0323843313 -0.0304373674 5.963777e-02 0.0727251758 2.218064e-02
## 45 0.0096460609 0.0233818932 5.937242e-02 -0.0463218118 3.700126e-03
## 46 -0.0623810714 0.0298775458 -6.658904e-02 -0.0683385954 2.927154e-02
## 47 0.0311016086 0.0127782521 -5.354055e-02 -0.0279063183 -1.391426e-02
## 48 0.0454567978 0.0976170051 -1.701677e-03 0.0308941849 3.556621e-03
## 49 0.0069674356 0.0283754208 5.695209e-02 -0.0325236386 -1.461848e-02
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## 51 -0.0817099290 0.0108036233 -1.905643e-02 0.0371083068 -2.920711e-02
## 52 -0.0064056882 -0.1147541250 -9.304640e-02 0.0152172840 2.543579e-02
## 53 0.0705979852 0.0511720688 -5.120668e-02 -0.0837515500 -5.216751e-02
## 54 -0.0271253151 0.0198383456 -7.310066e-05 -0.0712663516 9.673055e-03
## 55 0.0287620160 0.0349007691 1.041076e-02 -0.0605414069 6.470539e-02
## 56 0.0246215972 -0.0194032180 -8.158126e-02 -0.0720698941 -4.831430e-02
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## 65 0.0051648159 -0.0112557952 -4.017233e-02 0.0848011771 -3.674088e-02
## 66 0.0327746357 -0.0726992027 2.223917e-02 0.0481743904 -5.582365e-02
## 67 0.0579006072 0.0177162063 -4.448860e-02 -0.0341162127 1.157580e-01
## 68 -0.0155570452 0.0087729025 2.449437e-02 0.0297705559 2.294861e-02
## 69 -0.0298614064 -0.0588271140 -1.818713e-02 0.0089530872 -7.519083e-03
## 70 0.1143492483 -0.0116600336 -1.417726e-02 -0.0078971488 3.527712e-02
## 71 0.0431115807 0.0064063303 -4.261359e-02 0.0973668915 -1.324104e-02
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## 73 -0.0182035329 -0.0314204619 -2.678932e-03 -0.0139321692 -8.784078e-02
## 74 -0.0443822973 -0.0544897678 3.899955e-02 -0.0381916599 -1.443498e-02
## 75 0.0315976054 -0.0720545893 3.512808e-02 0.0055237175 7.594922e-02
## 76 -0.0094548809 -0.0219056218 -1.908200e-02 0.0648162661 -2.664121e-02
## 77 -0.0387850306 -0.0641801007 -2.542443e-03 -0.0005399708 -7.632550e-03
## 78 -0.1088774145 0.0049983297 4.964296e-02 0.0587631466 1.228274e-02
## 79 -0.0117900703 0.0387759652 2.755869e-02 0.0113493117 -3.926617e-02
## 80 -0.0634519849 0.0321914147 1.138321e-01 -0.0311228700 -1.921055e-02
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## 82 -0.0212450571 0.0336183844 -3.561302e-02 0.0182584454 3.178782e-02
## 83 -0.0364907071 0.0288511102 1.220407e-03 -0.0729716717 8.128805e-02
## 84 0.0341810253 -0.0032846773 2.051351e-02 0.0722867207 -1.235129e-03

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## 85 -0.0486783898 -0.0152693642 -5.495727e-02 -0.0189720050 -6.243739e-02
## 86 0.0388335902 0.0378286586 8.522300e-02 0.0819723139 1.949404e-02
## 87 0.0224898811 0.0530901595 2.934947e-02 0.0070213474 4.627465e-03
## 88 0.0006337663 0.0731422864 -1.123440e-01 0.0091750337 -3.111201e-02
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## 97 -0.0156265883 -0.0270408184 7.871330e-03 0.0160931122 -2.056337e-02
## 98 0.0322456477 0.0099436213 2.823839e-04 0.0116467416 4.042183e-02
## 99 0.0601981740 -0.0280247136 1.033932e-01 -0.0171682112 1.066020e-01
## 100 -0.0425157619 -0.0175663402 -8.761366e-02 0.0264108897 2.577805e-02
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## 106 0.0490888117 -0.0093690716 4.653667e-02 0.0653470508 -8.994337e-02
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## 110 -0.0081748196 -0.0202600804 6.136290e-02 -0.0488319290 -1.889412e-02
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## 113 0.0565622883 -0.0074496786 -1.486888e-02 0.0652259250 2.086080e-02
## 114 0.0103436478 0.0145510054 -1.054476e-01 0.0622327617 5.348536e-02
## 115 0.0162582444 0.0041353943 -2.293398e-02 -0.0293740885 -7.257622e-03
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## 118 -0.0153048062 -0.0033088471 3.097011e-02 -0.0341424805 -3.998347e-02
## 119 -0.0160946298 -0.0184706517 9.364556e-02 -0.0803233156 -4.141189e-02
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## 122 -0.0085520615 -0.0438323208 5.528505e-03 -0.1121327525 -3.400052e-02
## 123 -0.0890564861 -0.0387485779 -3.208637e-02 0.0166840251 3.570607e-03
## 124 -0.0003650924 0.0513434514 -3.393088e-02 -0.0255414865 5.786425e-02
## 125 -0.0593772049 0.0288846254 -3.294016e-02 0.0054445416 9.514064e-02
## 126 0.0441957509 0.0562749654 -5.144441e-02 0.0187373003 3.094431e-02
## 127 0.0308334317 0.0457955683 1.729507e-02 0.0844097352 -3.981575e-02
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## 134 0.0272454464 0.0589423485 -9.407611e-02 0.0262175935 9.989269e-03
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## 139 0.0313823449 0.0234276789 2.608957e-04 -0.0151699934 -7.023818e-02
## 140 0.0866995977 -0.0312633986 -2.005904e-02 0.0378105951 5.780210e-02
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## 145 0.0046588885 -0.0646678063 -2.195976e-02 0.0091585021 -6.773382e-02
## 146 0.0546501687 0.0471735127 2.243400e-02 -0.0568758401 -8.569433e-02
## 147 0.0268817495 -0.1099736628 -1.669394e-02 0.0248690318 3.021047e-02
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## 149 0.0100062209 -0.0614213154 8.686815e-02 0.0188895570 -2.168515e-02
## 150 0.0069659671 0.0132737836 3.843705e-02 0.0138854836 -5.438801e-02
## 151 -0.0606150988 -0.0564581984 3.145860e-02 0.0528879625 -6.741774e-02
## 152 0.0144999256 -0.0563057332 -4.493052e-02 0.0106541530 -8.004587e-03
## 153 0.0593958893 -0.0885137112 -5.624982e-02 -0.0009897377 1.159723e-01
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## 158 0.0859680126 -0.0434495955 1.299305e-02 -0.0262524215 3.275272e-02
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## 162 -0.0200847896 -0.0548799231 -4.594217e-02 0.0455565171 4.609312e-03
## 163 0.0613114516 -0.0475519906 -2.060006e-02 -0.0042738372 -2.235025e-02
## 164 0.0202601501 0.0234382793 -9.119254e-02 -0.0548400268 4.384826e-02
## 165 0.0120279022 0.0400514904 5.167453e-02 -0.0010520172 -1.204207e-02
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## 193	-0.0332464187	-0.0238694318	-1.721518e-03	-0.0464566403	3.684263e-02
## 194	-0.0006624286	-0.0686714787	-9.409644e-02	0.0645767666	8.771569e-03
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## 197	-0.0354803119	0.0577137276	6.985934e-02	-0.0100420212	-1.002038e-01
## 198	0.0339089803	-0.0040592693	4.501600e-02	0.0334214599	-6.351107e-02
## 199	-0.0439817738	-0.0425829009	-2.653079e-02	0.0940179851	5.275370e-04
##	V471	V472	V473	V474	V475
## 1	-1.413498e-02	-0.0267737072	-0.0209835596	2.965244e-02	-0.0301759112
## 2	-2.461716e-02	0.0507162850	0.0306436657	1.802418e-02	-0.0116467662
## 3	-1.713417e-02	0.0045715044	0.0082187449	1.946126e-02	0.0161811998
## 4	4.687744e-02	-0.0493029145	-0.0174088378	-3.908534e-02	-0.0137029945
## 5	-6.071065e-03	-0.0183745405	-0.0282218563	2.599144e-02	0.0550682135
## 6	2.610504e-02	0.0415213523	-0.0321186410	5.135098e-02	0.0226643066
## 7	1.810838e-02	-0.0331311933	0.0090988592	-5.003262e-02	-0.0511108425
## 8	3.160684e-02	0.0326752379	-0.0201871404	-6.706768e-02	-0.0286527758
## 9	3.175093e-02	0.0436542839	0.0357984948	1.402993e-02	-0.0200117190
## 10	-3.117482e-02	0.0062880666	-0.0656400905	3.525975e-02	-0.0102178378
## 11	-5.517582e-02	-0.0995242293	0.0372331337	3.241656e-02	0.0658457217
## 12	-1.060430e-04	-0.0430625096	0.0826457264	6.732208e-03	0.0849894999
## 13	-1.511394e-02	0.0716190413	0.0103852797	6.746514e-03	-0.0258761450
## 14	-2.419002e-02	0.0308696097	-0.0403538510	-3.909661e-02	0.0228473053
## 15	-5.623988e-02	-0.0417442807	-0.0011202119	-1.586021e-02	0.0810651841
## 16	-6.365043e-02	-0.0370495316	-0.0511207266	-2.153306e-02	0.0162841743
## 17	3.316844e-02	0.0395263905	-0.0323568019	-9.276318e-03	0.0628936460
## 18	-4.186468e-02	-0.0409170722	-0.0302084434	1.211474e-01	0.0433842420
## 19	7.635626e-02	-0.0705159532	-0.0242589968	4.400944e-02	-0.1089691633
## 20	4.256592e-03	0.0220879426	-0.0250980330	4.274659e-02	-0.0961027591
## 21	1.728898e-02	0.0047020597	-0.0842145717	2.860232e-02	0.0150574827
## 22	-2.287827e-02	-0.0382023845	0.0276967479	-1.217037e-02	-0.0079879216
## 23	-4.526148e-02	-0.0043414239	-0.0135398809	-1.900775e-03	-0.0322090276
## 24	5.607038e-02	-0.0418103726	-0.0269154476	2.753665e-02	-0.0069052571
## 25	1.219162e-02	-0.0081717009	0.0037259475	-9.528660e-03	0.0493196754
## 26	3.919263e-04	0.0119473660	0.0021668600	-3.421505e-03	-0.0316664945
## 27	-5.777161e-02	0.0543648055	0.0806504621	1.112214e-01	0.0026859329
## 28	3.340805e-02	-0.0111924769	-0.0670592928	-4.996483e-02	-0.0020812396
## 29	2.593249e-02	-0.0378557534	0.0435092784	-7.241931e-02	-0.0877413100
## 30	-3.043722e-02	0.0345704459	0.0385094926	3.080732e-02	-0.0362746858
## 31	-6.544722e-02	0.0640985399	-0.0769273274	-4.235541e-02	0.0661656360
## 32	-4.561934e-02	-0.0058591933	0.0589815806	-3.547737e-02	-0.1195396019
## 33	-1.602161e-02	-0.0575772039	0.0075550659	7.490584e-03	0.0901244069
## 34	5.304501e-05	-0.0544378959	-0.0109231768	4.966151e-02	-0.0047343289
## 35	-3.495019e-02	-0.0333002097	0.0270988845	-8.276093e-02	-0.0445947958
## 36	-2.332204e-02	0.0454702671	0.0684622553	-1.010898e-03	-0.0461426765
## 37	-7.975949e-03	0.0571176488	-0.0161167399	1.016131e-02	0.0910791691
## 38	2.164932e-02	0.0228156490	-0.0071699239	7.814494e-02	-0.0713873632
## 39	7.205748e-03	0.0604520837	0.0437549000	-9.232390e-02	-0.0251391989
## 40	-1.560265e-02	-0.0283397578	-0.0323926702	2.059610e-02	0.0379235734
## 41	-8.751779e-02	-0.0645985913	-0.0221302925	3.588981e-02	-0.0212053473
## 42	3.847888e-02	-0.0299519242	-0.0296410771	-2.484446e-02	0.0032430069
## 43	7.504825e-02	-0.0016709454	0.0330830975	-6.303630e-02	0.0258067125
## 44	-2.084048e-02	0.0965063088	0.1042075730	-8.348622e-03	0.0088749230
## 45	-3.092939e-02	0.0066808799	0.0311231631	-4.627594e-02	0.0672021442
## 46	7.339733e-03	-0.0002901011	0.0275532348	-9.729550e-02	-0.0297874143

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## 47 -3.305778e-02 0.0297134092 -0.0138574424 -3.840443e-02 -0.0296789267
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## 51 3.782899e-02 0.0008583668 -0.0518614498 -1.845263e-02 -0.1206810537
## 52 -5.323846e-02 -0.0215603276 0.0393262845 -5.462863e-02 -0.0270167642
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## 54 -6.837300e-02 0.0550654834 0.1158523764 -1.827234e-02 0.0268532764
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## 56 3.024848e-02 -0.0234733784 -0.0729987025 -3.192235e-02 -0.0107142302
## 57 3.472333e-02 0.0131555741 0.0361285114 4.526462e-02 0.0390728059
## 58 -4.310225e-03 -0.1056899883 -0.0076773169 9.029918e-03 0.0042674867
## 59 -3.785181e-03 -0.0647192189 -0.0755568084 4.205181e-02 0.0197050530
## 60 2.282489e-02 -0.0233686156 0.0435131660 -4.341801e-02 0.0392488255
## 61 -2.764528e-02 0.0526527009 0.0410223243 -4.853116e-02 -0.0662210401
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## 9	0.0334930082	0.0241805327	-0.0022911223	0.0314471782	-6.201599e-02
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## 11	0.0702423691	0.0186029193	0.0062649490	0.0278590319	7.899314e-02
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## 15	-0.0788635129	-0.0808077341	-0.0878851223	0.0278819446	-4.345819e-02
## 16	-0.0365949746	0.0683283753	0.0329412078	-0.0093015796	-6.816901e-03
## 17	-0.0321546377	-0.0204242195	-0.0390341426	0.0064635421	1.078415e-01
## 18	0.0546824672	0.0109647864	-0.0644118421	0.0168142187	-3.501890e-03
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## 20	-0.0134344990	0.0052209514	0.0301481213	-0.0308497958	-9.726531e-03
## 21	0.0494841648	0.0038857251	0.0027075889	-0.0086172356	-1.280925e-02
## 22	0.0062117657	-0.0768683565	0.0897361215	-0.0242320753	-3.006078e-02
## 23	0.0591391164	0.0218324326	0.0558710429	0.0069980227	-3.107001e-03
## 24	0.0213839033	0.0858566846	0.0482135729	-0.0120303154	4.223498e-02
## 25	0.0029802552	-0.0596720175	-0.0328897690	-0.0315987537	-2.714178e-02
## 26	-0.0305861214	-0.0455251753	-0.0249223055	-0.0183018037	5.913013e-03
## 27	0.0270624780	0.0158002251	0.0689824761	-0.0008199524	-3.733271e-02
## 28	-0.0346672714	-0.0713018491	-0.0295043423	-0.0173926923	-8.696902e-03
## 29	-0.0186641055	0.0327335444	-0.0190137469	-0.0777671911	2.639080e-02
## 30	-0.0190234624	-0.0869195791	0.0177410494	0.0370916118	-4.889428e-02
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## 32	0.0231536328	-0.0135987373	-0.0308416155	0.0383716096	1.026365e-02
## 33	0.0034910167	-0.0056744615	0.0266258193	0.0632341159	4.842799e-02
## 34	0.0120396257	0.0163241564	-0.0534012031	-0.0639065158	2.124240e-02
## 35	0.0035939865	0.0236875860	-0.0395818762	-0.0130479055	3.014434e-02
## 36	-0.0742898426	-0.0150253122	-0.0157043489	-0.0098981369	6.436592e-02
## 37	-0.0007182824	0.0373300919	-0.0174619111	0.0005385192	-5.115450e-02
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## 40	-0.0469090008	-0.0265018625	-0.0053634625	0.0329414132	-6.431185e-03
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## 45	0.0193273244	0.0415909419	0.0128163039	-0.0566005901	4.666719e-02
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## 47	0.0369772358	0.0238470785	0.0271204184	-0.0047166179	-1.959714e-02
## 48	0.0723845315	-0.0359931362	0.0081107482	-0.0043884545	-1.567583e-02
## 49	-0.0107754720	-0.0145682400	0.0192675290	0.0234131388	4.964030e-02
## 50	0.0183279332	-0.0102391413	-0.0585225388	-0.0087043290	3.022830e-02
## 51	0.0700682105	0.0337865100	0.0549481806	-0.0926333109	-6.305622e-05
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## 114 0.0262615369 0.0272661910 0.0299882319 0.1005769024 2.498086e-02
## 115 -0.0003382290 0.0149144407 -0.0519868219 -0.0261051399 -4.039797e-03
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## 117 0.0008337655 0.0730816546 0.0515730121 0.0230924729 -2.002402e-02
## 118 -0.0354749368 -0.0730983443 -0.0134692581 0.0468194146 3.783083e-02
## 119 -0.0173001785 0.0037449308 -0.0302834300 0.0619819398 -1.278975e-01
## 120 -0.0303276172 0.0794261285 -0.0441586760 -0.0212668715 -3.349481e-02
## 121 -0.0412044235 0.0321559551 -0.0048926093 0.0580167470 -1.576780e-02
## 122 -0.0176086532 0.0304563565 -0.0258268850 0.0570372437 -6.965921e-02
## 123 -0.0312354316 0.0237413621 0.0585413573 0.0581034381 6.079466e-03
## 124 -0.0170161460 -0.0246033712 0.0216252708 0.0266084138 2.278303e-02
## 125 -0.0011329669 0.0171733668 -0.0335687784 0.0004414308 -5.528534e-02
## 126 -0.0451378365 0.0507878017 0.0246813425 0.0396129025 -3.833252e-02
## 127 0.0318174966 0.0570186432 -0.0293260237 -0.0424978833 -1.147217e-02
## 128 -0.0028953932 -0.1354520746 0.0361039781 -0.0221496660 2.363699e-02
## 129 -0.0052899437 0.0258877673 -0.0281372326 -0.0240392673 1.168091e-02
## 130 -0.0171706481 0.0274695624 0.0551907831 0.0436511212 4.133675e-02
## 131 0.0379538999 0.0200095801 -0.0060801816 -0.0046032992 4.830872e-03
## 132 0.0268929609 -0.0292780786 -0.0099070012 -0.0328380213 -1.555076e-02
## 133 -0.0895451891 -0.0208068389 0.0321959144 0.0409756458 -4.271148e-02
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## 138 -0.0285654473 -0.0021272114 -0.0465538007 0.1094585107 -1.426956e-02
## 139 -0.0043338748 -0.0327563261 -0.0277526212 0.0881439817 -1.166515e-02
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## 141 -0.0124291888 0.0762811195 0.0043468200 -0.0376448169 1.281700e-02
## 142 0.0145291008 -0.0429502492 -0.0340975068 0.0109783515 -1.439744e-03
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## 145 -0.0275604173 -0.0195365929 -0.0526206870 -0.0748761719 2.164732e-03
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## 147 -0.0515531177 0.0113199663 -0.0310746090 -0.0020102562 9.054490e-02
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## 171	0.0457344971	0.0045337180	-0.0382866377	-0.0460071014	1.197412e-02
## 172	-0.0275591663	0.0165281331	0.0973774358	-0.0793760734	-2.469637e-02
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## 180	-0.0415201481	0.0272946529	0.0234637856	0.0543996895	4.035681e-02
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## 183	0.0700914133	-0.0680954075	-0.0097432600	-0.0198287556	4.198478e-02
## 184	0.0462381338	-0.0240472177	0.0175383490	-0.0023815126	2.641259e-03
## 185	-0.0137586311	-0.0067083724	0.0674497227	0.0703214203	5.011330e-02
## 186	0.0121659253	0.0652353340	0.0263599028	-0.0090414778	5.971923e-02
## 187	0.0376083345	-0.0810686807	-0.0078923158	-0.0683897137	8.890418e-02
## 188	0.0093407011	0.0235612542	0.0277284039	-0.0246896647	3.579866e-02
## 189	0.0245339825	0.0108725012	0.0198212262	0.0704227620	-5.697308e-02
## 190	0.0086726485	0.0068421266	-0.0521953977	0.0090263565	-6.462280e-02
## 191	0.0642793540	0.0139817298	0.0358819807	-0.0818577585	1.013740e-01
## 192	-0.0318145403	-0.0298214489	0.0126154467	0.0907239373	4.640846e-02
## 193	-0.0875603025	0.0571118300	0.0202014458	0.0022090481	-7.201303e-03
## 194	-0.0100475291	0.0847474740	-0.0183866763	-0.0514331585	-4.082519e-02
## 195	-0.0433458328	-0.0382531825	-0.0113344635	-0.0042494248	-1.206321e-01
## 196	-0.0323905612	-0.0230106568	-0.0018872871	-0.0620312486	-3.961545e-02
## 197	-0.0263081781	-0.0650357349	0.0351772394	0.0078336121	5.674492e-02
## 198	0.0003766208	-0.0201246843	0.0047374652	0.0631165235	-5.414624e-03
## 199	0.0294019223	-0.0049728608	-0.0034041225	-0.0860760714	-6.873719e-02
##	V481	V482	V483	V484	V485
## 1	-4.429085e-02	-0.0469579950	-0.0116121563	-0.0228206860	0.0101020117
## 2	-8.370868e-02	-0.0348306689	-0.0140669947	-0.0023494210	0.0606968583
## 3	3.934688e-02	-0.0572955446	-0.0170009560	0.0724423919	-0.0183512840
## 4	-3.211311e-02	-0.0488354811	0.0341647036	-0.0355521333	-0.0366160058
## 5	5.297044e-02	0.0414879461	0.0751084316	0.0083924681	-0.0855527656
## 6	4.085646e-04	0.0218046592	0.0084957333	-0.0691826968	-0.0162631263
## 7	6.751168e-02	-0.0089426624	-0.0282743740	0.0188807736	-0.0075033869
## 8	-3.681646e-03	-0.0062632548	0.0082386267	-0.0577226390	0.0363003176
## 9	4.452764e-03	0.0163583373	-0.0285171323	-0.0171424804	0.0718216892
## 10	7.524402e-02	-0.0370571497	0.1163566257	-0.0010725795	0.0774600082
## 11	-9.584196e-02	0.0333338105	0.0008674124	0.0251069406	0.0028191133
## 12	-7.603480e-02	0.0480486414	-0.0598852499	0.0467799708	0.0112866646
## 13	-6.958962e-02	0.0061544279	0.0203200059	0.0521396529	0.0709424675
## 14	-3.927754e-02	-0.0251911618	0.0454205679	-0.0468664090	0.0697792548
## 15	-2.940926e-02	0.0373096466	-0.0036546795	-0.0177284439	-0.0152612582
## 16	-2.525834e-02	-0.0032111467	-0.0211299800	0.0237397899	-0.0276686037
## 17	7.841320e-03	0.0221609726	-0.0146610542	-0.0403651082	-0.0059353932
## 18	7.346805e-03	0.0126932438	0.0189394972	-0.0416713708	-0.0153544539
## 19	1.943278e-02	-0.0644204531	-0.0196321402	-0.0494779462	0.0518469524
## 20	4.549859e-02	-0.0330312092	-0.0334125410	-0.0047483212	0.0136076087
## 21	-3.105200e-02	-0.0319721766	-0.0194617936	-0.0100441331	0.0790339058
## 22	-5.219199e-02	-0.0061286013	-0.0335210279	0.0086900367	-0.0118824057
## 23	5.750784e-03	0.0102820732	0.0707812894	-0.0313172464	-0.0163130749
## 24	1.697660e-02	0.0277954372	-0.0121124867	-0.0754898413	0.0167749452

## 25	-7.146880e-04	0.0117725387	0.0564156620	0.0461672447	0.0155700060
## 26	-1.537904e-02	-0.0617935159	0.0922100447	0.0293270748	0.0291610967
## 27	1.204142e-02	0.0148977086	0.0605365219	0.0328165394	0.0161548513
## 28	2.327806e-02	0.1581532441	-0.0135322922	-0.0033647083	-0.0123277422
## 29	1.926215e-02	0.0870691159	-0.0357653072	-0.0459984401	-0.0375283479
## 30	2.213268e-02	0.0049539043	0.0277265016	-0.0135246985	-0.0271523099
## 31	1.957501e-02	-0.1088208151	-0.0468073426	-0.0417686426	0.0189356383
## 32	-1.092090e-01	0.0523989953	-0.0214847138	0.0025342329	0.0672569131
## 33	3.989209e-02	0.0374906255	0.0154359561	0.0177036075	0.0138260584
## 34	-7.280642e-02	-0.0860929346	-0.0002192352	-0.0699054132	-0.0380819197
## 35	-4.558897e-02	0.0218160632	0.0849625528	0.0463264823	0.0014840835
## 36	2.134055e-02	0.0118422624	0.0097464087	-0.0383837016	0.0070448890
## 37	1.439432e-02	0.0443253201	-0.0012306684	0.0385070621	0.0294013287
## 38	-4.411143e-02	0.0436938275	-0.0255848706	0.0333011150	-0.0309875272
## 39	-1.655411e-02	-0.0306564014	-0.0165469784	0.0193823505	0.0133963023
## 40	1.711052e-04	0.0198476408	0.0092469523	-0.0209337834	-0.0539785999
## 41	1.343206e-02	-0.0420826197	-0.0334319646	0.0253220379	-0.0046667293
## 42	-3.722933e-02	0.0114913669	-0.0679211276	0.0424455525	0.0499168955
## 43	-7.561927e-02	0.0327483735	0.0256764579	0.0301230487	-0.0240966542
## 44	-7.061741e-02	-0.0503262763	-0.1083027668	0.0020374001	-0.0093558241
## 45	-7.896276e-02	0.0534810197	0.0095019462	-0.0923793235	0.0730188448
## 46	3.165409e-03	-0.0316866373	0.0737601205	-0.0457759727	0.0568878499
## 47	2.760188e-03	-0.0465056058	0.0947899701	-0.0050689088	-0.0160299321
## 48	2.182427e-02	-0.0022736917	-0.0073849623	0.0244617471	-0.0480180394
## 49	-4.704615e-02	-0.0652185032	0.0287155113	-0.0293182588	0.0637179142
## 50	7.560078e-05	0.0240321288	0.0219964761	-0.0916387390	-0.0010226271
## 51	-2.932267e-02	-0.0231968974	-0.0021076937	0.0531947425	0.0288370716
## 52	1.467383e-02	0.0052094372	-0.0085506766	-0.0146723376	-0.0692578073
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## 56	2.906063e-03	-0.0170563824	0.0056214574	0.0021903577	-0.0377031663
## 57	9.191022e-03	0.0014521867	-0.0517544553	0.0972544277	0.0410781174
## 58	4.252112e-03	0.0257760443	0.1177700187	0.0757117093	-0.0520751466
## 59	-3.127678e-02	0.0337807588	0.0617951345	-0.0496383771	-0.0722180709
## 60	3.266917e-02	-0.0052259517	0.0126144888	0.0256758430	-0.0157861811
## 61	1.112480e-01	0.0122000485	0.0600063794	0.0076556529	0.0248304576
## 62	3.191303e-02	0.0662107976	0.0546118500	0.0217666130	-0.0225896553
## 63	6.729543e-02	0.0199309817	-0.0587589723	-0.1724531744	0.0174321757
## 64	-3.227281e-02	-0.0548124356	0.0063298739	-0.0464379699	-0.0266111866
## 65	-1.588877e-02	-0.0358534780	0.0382747795	-0.0101797689	0.0549421735
## 66	7.816430e-02	-0.1362024057	-0.0103938372	-0.0035186070	0.0115728654
## 67	1.041440e-02	-0.0066781296	0.0286736481	0.0231117372	0.0112116729
## 68	-3.254818e-02	-0.1153304871	-0.0476131883	-0.0021801383	-0.0054678834
## 69	-1.406508e-02	0.0325351254	-0.0403520731	0.0174194217	-0.1067874628
## 70	1.866781e-02	-0.0236126999	0.0015328766	-0.0506103736	-0.0398304239
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## 73	-1.137960e-01	-0.0107240951	-0.0926633651	0.0557535329	0.0067507670
## 74	2.073961e-02	0.0078690520	-0.0102686674	0.0568083552	0.0314365023
## 75	-5.088633e-02	0.0054195004	-0.0444581403	0.0012900174	0.0242693203
## 76	6.623549e-02	-0.0055227064	0.0518203031	-0.1348797497	-0.0290794064
## 77	2.188255e-02	0.0210541149	0.0488045354	0.0288113935	-0.0180484940
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## 108 7.278146e-02 -0.0396913865 0.1032226426 0.0850997762 -0.0229476481
## 109 -1.152921e-02 0.0439271770 -0.0289812364 0.0111342775 0.0077583268
## 110 -1.148011e-01 0.0525834907 0.0270530589 0.0520499124 -0.0806531595
## 111 -6.689614e-02 -0.0583400354 -0.0457759636 0.0031975798 0.0295775574
## 112 -6.077227e-02 0.0086158151 0.0154782175 0.0015135998 0.0395474643
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## 114 3.150768e-02 0.0032855115 0.0140479530 0.0681227045 -0.0959232820
## 115 -3.253679e-02 0.0846698128 -0.0351635008 -0.0400311380 -0.0302297062
## 116 -5.861799e-02 0.0112428287 0.0178705249 0.0244593287 -0.0029451401
## 117 -3.636584e-02 0.0382501633 0.0279253233 0.0348892194 -0.0297975477
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## 122 7.291611e-02 0.0365971273 -0.0137551075 0.0303534901 -0.0862873999
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## 125 -4.041921e-02 -0.0384719832 -0.0830006212 -0.0326423964 0.0100506648
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## 130 5.378737e-03 -0.0637478553 -0.0232619895 -0.0625816725 -0.0572116686
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## 133 4.115840e-02 -0.0179258607 0.0371413185 0.0092099267 -0.0301633059
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## 136 6.177567e-02 -0.1004364533 0.1072893478 -0.0261959552 -0.0285640276
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## 138 5.217399e-02 0.0684790458 -0.0753857771 0.0290609319 -0.0249785088
## 139 4.560973e-02 -0.0432293591 -0.0080933637 0.0133591675 -0.0303896763
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## 143 1.003314e-01 -0.0011521357 0.0264541025 0.0594650608 0.0551254388
## 144 -1.023423e-02 0.0118140204 0.0497202191 -0.0209856416 0.0341714696
## 145 2.953596e-02 -0.0392915682 -0.0114495376 -0.0326510589 -0.0499662466
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## 180 8.095686e-02 -0.0273368417 0.0130478616 -0.0136522899 -0.0323460060
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## 182 -7.842503e-02 -0.0304382773 -0.0166900865 0.0233950192 0.0033180445
## 183 -7.243743e-02 0.0230737996 0.0616805408 0.0629878929 0.0357202969
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## 187	-8.280950e-02	-0.0382317993	0.0851098267	0.0284396706	-0.0206623493
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## 190	1.968932e-02	-0.0082152631	-0.0270175901	-0.0170850140	-0.0060217794
## 191	-4.245943e-02	-0.0509494804	0.0327217470	-0.0307858940	0.0020988573
## 192	9.105029e-03	-0.0731575521	0.0102226333	-0.0171066028	0.0217387433
## 193	-7.764902e-03	0.0569631598	-0.0537632180	-0.0222747935	0.0941870072
## 194	-3.665373e-02	-0.0014919452	-0.0175006847	0.0272149117	0.0063102583
## 195	5.367482e-02	-0.0334449777	0.0213927926	0.0215559259	0.0314540551
## 196	-3.309964e-02	-0.0200010921	-0.0238715057	0.1086030712	-0.0367585272
## 197	2.394097e-02	0.0046135139	-0.0012788936	-0.0185148578	0.0728690702
## 198	-8.831493e-02	0.0163913303	0.0096392888	-0.0147670859	0.0623186773
## 199	2.536246e-02	0.0276549001	-0.0345087067	0.0079785809	0.0082988787
##	V486	V487	V488	V489	V490
## 1	0.0108406528	2.259797e-02	0.0730539324	0.0106062769	0.0211961176
## 2	-0.0269792601	7.841773e-02	0.0458023203	-0.0997639599	-0.0071791410
## 3	-0.0982834559	-1.675550e-02	-0.0448658537	-0.0118112556	0.0163669581
## 4	-0.0254556580	5.498418e-02	0.0260928454	0.1003408347	-0.0547585593
## 5	0.0380608687	-2.969968e-02	0.0038920702	-0.0341163962	-0.0692732823
## 6	0.0673993188	-5.625420e-02	0.0337013508	0.0450784346	-0.0254821506
## 7	0.0506755726	-8.320375e-02	0.0057413809	-0.0513384708	-0.0522252422
## 8	-0.0405576290	-2.641418e-02	-0.0410372483	-0.0111993883	-0.0483002640
## 9	-0.0378157773	9.931239e-03	0.0729714971	0.1611017953	-0.0207419072
## 10	-0.0233619680	1.493708e-02	-0.0107304460	-0.0513273401	0.0845029095
## 11	0.0309960603	-3.881378e-03	0.0488945030	0.0159900564	0.0333063425
## 12	-0.0085671320	2.726608e-02	0.0029811325	0.0587675984	0.0071120366
## 13	-0.0041818254	-4.079311e-02	0.0154487154	-0.0749536473	0.0165411108
## 14	0.0195086243	2.297240e-02	0.0222559303	0.0524606105	0.0128775941
## 15	0.0095414144	-5.886713e-03	0.0804594446	-0.0171205688	0.0162143832
## 16	0.0193202820	-7.979048e-02	0.0481449124	0.0433095742	-0.0095233758
## 17	0.0017832282	4.728010e-02	0.0056226301	-0.0109622845	-0.0393882127
## 18	-0.0232884063	-1.492767e-02	0.0116498445	-0.0363708250	0.0240573120
## 19	0.0329609327	-4.759325e-02	0.0685747312	0.0085951878	0.0179697184
## 20	0.1031893560	5.744063e-02	-0.0068215872	-0.0103298514	0.1108017534
## 21	0.0266065121	1.267671e-02	-0.0316628339	-0.0167304214	0.0538912188
## 22	0.0357189012	5.926500e-02	-0.0671025640	0.0544378093	-0.0160505257
## 23	0.0069449057	-1.101845e-02	-0.0348042913	-0.0135396250	-0.0286859510
## 24	-0.0149967300	2.428201e-02	0.0500562096	0.0208484683	-0.0819209143
## 25	0.0011048903	8.431820e-02	0.0035788434	0.0245944909	0.0298283394
## 26	0.0138829680	1.738082e-02	-0.0775709612	0.0754194257	0.0095235145
## 27	-0.0556243946	3.400595e-02	-0.0028721744	-0.0058710137	0.0372456591
## 28	-0.0117139738	-3.556276e-02	-0.0340832837	0.0324934292	0.0055590907
## 29	-0.0206370423	3.832863e-02	0.0152711703	0.0317787580	-0.0846529776
## 30	-0.0065693773	-3.820383e-02	0.0723628656	0.0174356222	-0.0119336435
## 31	0.0432295340	4.014284e-02	0.0523608338	0.0152694236	0.0361798609
## 32	-0.0920867682	4.453958e-02	0.0928969500	-0.0021885395	0.0311085752
## 33	-0.0495556465	-1.149028e-01	0.0227889688	-0.0570149665	-0.0079295217
## 34	-0.0120668366	-1.027982e-01	0.0927218278	-0.0314524584	-0.0279593017
## 35	-0.0410701203	-3.841437e-02	0.0218249494	-0.0685600553	-0.0564417030
## 36	-0.0172876840	-4.567747e-02	0.0683780234	-0.0636531867	-0.0234376455
## 37	0.0717576094	-1.140426e-02	0.0127175278	-0.0422267699	-0.0535928013
## 38	0.0450056114	1.054184e-02	0.0670464625	0.0486145292	-0.0131882038
## 39	-0.0509231637	-3.834729e-02	0.0667320437	0.0761870824	-0.0217467062
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## 47 -0.0290273585 -4.209731e-02 0.0082222133 -0.0644248163 0.0102237347
## 48 0.0208130573 -1.435068e-02 -0.0005028317 -0.0666051600 -0.0479844465
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## 50 -0.0461420201 -4.069521e-02 -0.0659924561 -0.0211487305 -0.0431859982
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## 54 0.0850334300 2.690779e-02 -0.0464691697 0.0010176019 -0.0130622000
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## 68 0.0153675646 3.559131e-02 -0.0740453830 0.0443809998 -0.0128568845
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## 77 -0.0275516856 -5.764809e-02 0.0132985451 0.0590811682 -0.0238109636
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## 96 -0.0178558439 7.531143e-02 0.0298595142 -0.0434051034 -0.0693817389
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## 110 0.0380971111 -9.389442e-03 -0.0338921171 0.0082540248 -0.0228999320
## 111 0.0244557235 -4.751103e-02 -0.0098901117 -0.0237594344 -0.0393530007
## 112 -0.0569793128 -6.328671e-02 -0.0134391088 -0.0253800473 0.0607720350
## 113 -0.0334091988 1.955481e-02 0.0570067153 -0.0546938757 0.0588959249
## 114 -0.0363111779 5.532840e-02 -0.0089261355 -0.0056767255 0.0162566189
## 115 0.0382991315 1.899641e-02 -0.0076344483 -0.0170099834 0.0883124546
## 116 0.0441805812 5.315370e-02 -0.0212038701 0.0151112004 -0.0600910749
## 117 0.0813734750 -9.146557e-02 -0.0411886252 -0.0596864390 0.0442428664
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## 132 0.0012412767 -4.006368e-02 0.0042750470 -0.0841062113 -0.0803748997
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## 135 -0.0631964649 -5.859384e-02 -0.0102328983 0.0247875154 -0.0060056140
## 136 0.0156217003 3.330803e-02 -0.0157548240 0.0312196084 0.0887142138
## 137 -0.0192006610 1.091353e-02 -0.0751220736 0.0585118967 -0.0078546106
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## 143 -0.0140127844 2.591891e-03 -0.0321566929 0.0281165688 0.0293415740
## 144 0.0813092217 3.204483e-03 -0.0104871196 -0.0305495323 -0.0641029902
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## 148 -0.0994705563 6.020646e-02 0.0569381786 0.0568328799 -0.0953784689

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## 149 -0.0140446917 -9.051399e-02 -0.0011933388 -0.0825739291 -0.0714430930
## 150 0.0009911571 -4.247154e-02 0.0365024632 0.0207352395 0.0283539661
## 151 0.0292895527 6.212966e-02 -0.0011740494 -0.0160475152 -0.0511663831
## 152 0.0533341218 -3.010292e-02 -0.0742079237 0.0018828626 -0.0088550049
## 153 -0.0208625732 3.145764e-02 -0.0269123470 0.0205837844 -0.0225809285
## 154 0.0479178879 6.000108e-02 0.0072951834 -0.0008483814 -0.0013645696
## 155 -0.0258550996 -3.643951e-02 0.0384902866 -0.0199018590 0.0864855329
## 156 0.0299273895 -6.605354e-03 -0.0822130763 -0.0225345310 -0.0582150025
## 157 -0.0759990690 -1.318666e-02 -0.0401610416 0.0085585087 0.0115431019
## 158 0.0466212888 -2.255588e-02 0.0286033517 -0.0343163058 -0.0044396366
## 159 0.0316048754 -8.128254e-02 0.0316112904 -0.0207410174 0.0471064220
## 160 0.0728505218 5.719370e-02 -0.0595313701 -0.0365187744 0.0213998920
## 161 -0.0776462694 2.321508e-03 -0.0114024044 0.0113152387 0.0482439431
## 162 0.1057893839 -5.844036e-02 0.0152610664 -0.0327176834 -0.0584893313
## 163 0.0676702995 -9.572019e-02 0.0061326847 -0.0290922534 -0.0101739162
## 164 -0.0138498368 -6.146519e-02 0.0184549426 0.0156376082 0.0463344541
## 165 -0.0192020708 8.340146e-03 0.0191078613 -0.0217681759 -0.0284944927
## 166 -0.0128497397 1.031550e-01 0.0195162542 0.0416874614 -0.0268842505
## 167 -0.0556317345 1.792035e-02 0.0684892660 0.0678394054 0.0598926653
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## 169 -0.0390501067 6.453305e-02 0.0159592516 -0.0180052065 -0.0414819429
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## 171 -0.0568239614 -2.198877e-02 -0.0229135884 0.0134140775 0.0031799010
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## 174 0.0326881748 -4.151796e-02 -0.0468910190 -0.0852532772 -0.0665447532
## 175 0.0126407914 1.623421e-02 0.0461840874 -0.0153540832 -0.0436428386
## 176 -0.0039831419 2.117509e-02 0.0166031289 0.0014430090 -0.0266835155
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## 184 -0.0421051763 2.281861e-03 0.0729910146 0.0104780316 -0.0387893445
## 185 -0.0087890055 5.667063e-02 -0.0088305770 -0.0127409166 -0.0029889156
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## 189 0.0234621769 6.659114e-02 0.0651065613 0.0262532693 -0.0606505659
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## 193 0.0051978263 -1.571202e-03 0.0437711606 -0.0457767243 0.0716759987
## 194 0.0250846927 -8.835678e-02 -0.0236920097 -0.0758436005 0.0441502694
## 195 0.0328024529 3.245372e-02 -0.0339024965 -0.0319850446 0.0853437518
## 196 -0.0284451435 3.135552e-02 0.0326273956 0.0589577082 0.0729995651
## 197 -0.0714912475 6.075359e-02 -0.0806976917 0.0464729362 0.0304033372
## 198 0.0721024048 -5.418465e-02 0.0226633264 -0.0253755690 -0.0019655211
## 199 0.0446369638 -6.315469e-02 -0.0073833946 -0.0115914746 0.0271652858
##      V491      V492      V493      V494      V495
## 1 0.0449573784 1.364266e-01 -3.028689e-02 -5.619300e-02 -8.120314e-02
## 2 -0.0727635025 4.821928e-02 -1.277286e-01 -8.421618e-03 4.943459e-02

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## 3  -0.0504441469 -3.083435e-02 -2.292595e-02 -3.572403e-02 -9.523233e-03
## 4  -0.0273890190  9.560155e-02  5.322836e-02 -6.589627e-02 -5.755368e-02
## 5  -0.0422208963  2.557114e-02 -3.722291e-03  2.000633e-02  2.812692e-02
## 6   0.0598995613 -2.589784e-02  6.736643e-02  2.287975e-02 -1.049547e-01
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## 9  -0.0325719643 -2.034879e-02  4.414883e-04 -2.894980e-02 -4.450354e-02
## 10 -0.0393454985  5.648961e-02 -2.780136e-02 -2.569875e-02  2.794823e-02
## 11  0.0390897313 -2.506145e-02 -9.056133e-02 -7.329025e-02 -2.666697e-02
## 12 -0.0762885296 -1.097631e-01  4.345519e-02  1.073531e-01  7.979662e-03
## 13 -0.0235995459  4.174601e-04  1.210990e-01  4.695276e-02  2.780765e-02
## 14 -0.0211607363  7.756916e-02  4.145254e-02  3.600790e-02 -5.193133e-02
## 15 -0.0435799226 -1.704094e-02 -3.581723e-02 -2.846412e-02 -5.153340e-02
## 16  0.0655756511 -1.991301e-02 -3.542814e-02  1.878587e-02 -4.983052e-06
## 17 -0.0053581954 -3.214953e-03  7.438369e-03 -8.238001e-02 -2.663921e-02
## 18  0.0556360020  5.914963e-02  1.636510e-02  1.510017e-02  6.961630e-02
## 19  0.0161012490 -1.035659e-02 -4.723386e-02  4.006070e-02  6.072082e-02
## 20 -0.0031682559 -2.021520e-02  1.574377e-02 -1.713119e-02  6.478967e-03
## 21 -0.0077562399 -1.541959e-04  2.346605e-02  6.938120e-02  2.527315e-03
## 22 -0.0422693994  4.343460e-02  4.768743e-02 -1.070710e-02  4.488135e-02
## 23  0.0285344198  3.199307e-02  4.472172e-02 -2.230934e-03  1.130916e-02
## 24  0.0321057050 -2.664376e-02  6.608181e-03  4.279349e-03 -6.000827e-02
## 25  0.0364776225 -4.666795e-02 -6.376750e-04 -1.875376e-02 -1.042012e-02
## 26 -0.0241335335 -5.422139e-03 -2.066205e-02  4.407786e-03  3.682462e-02
## 27 -0.0067609585 -8.273818e-02 -1.816299e-02  4.137412e-02  7.023918e-02
## 28  0.0042510408  2.268394e-02 -5.746376e-02  9.826547e-03 -7.779537e-02
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## 30  0.0041946690  6.058263e-02  5.157734e-02 -7.286399e-02  4.137511e-03
## 31 -0.0914689440 -4.282232e-02  4.060518e-02  3.600811e-02  1.589850e-02
## 32  0.0322318640 -3.459811e-02  4.567481e-02 -9.658912e-02 -2.546614e-02
## 33 -0.0353596872 -9.229837e-03  5.790587e-02  3.293563e-02  3.282332e-02
## 34 -0.0257240774  2.131957e-02 -6.087297e-02  1.904335e-02  1.748699e-02
## 35  0.0535932757 -8.118719e-02 -8.106032e-02  1.569458e-02  2.802238e-02
## 36  0.0196823141 -5.282663e-03  2.078286e-02  4.986194e-03 -4.592630e-03
## 37 -0.0320736839 -1.591527e-02  1.463886e-02  6.150380e-02 -2.422138e-02
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## 39  0.0135106147  3.047767e-02  5.022670e-02  5.468395e-02  1.977671e-02
## 40 -0.0265362763 -4.501887e-03 -1.132049e-01  6.819810e-02 -2.428528e-02
## 41 -0.0818320261  3.289798e-02 -5.540292e-02 -5.096602e-02  1.867877e-02
## 42  0.0416439571 -5.286247e-02  9.307922e-02  5.345448e-02  8.415338e-03
## 43 -0.0141940479 -4.081551e-02 -1.150344e-01 -5.326560e-02 -9.240038e-03
## 44 -0.0159720962  3.956796e-05 -8.026910e-02  7.417179e-05  2.593385e-02
## 45 -0.0866959245 -6.678657e-03  9.884620e-03 -9.603996e-02  2.174826e-02
## 46 -0.0433667420 -5.962777e-02 -1.813130e-02  5.194801e-02 -8.790455e-03
## 47  0.0449747007 -3.807239e-02  2.749593e-02  2.583032e-02  5.989614e-02
## 48 -0.0565840800  4.667282e-02  2.403551e-02 -1.679846e-02  6.352464e-02
## 49 -0.0181047832  5.790667e-03 -3.036974e-02 -4.235864e-02  1.765608e-02
## 50  0.0233769726 -6.771744e-03  1.009924e-03 -3.222991e-02  1.294065e-02
## 51 -0.0362071210 -3.617909e-02  2.739071e-02  3.473625e-02 -3.315339e-03
## 52  0.0161606031 -1.260068e-02 -7.433879e-02 -8.934907e-02  8.378400e-04
## 53  0.0558376196  2.031759e-02 -2.664058e-02  3.513571e-02 -7.478170e-02
## 54  0.0334118195  5.792742e-02 -4.213826e-02 -3.660998e-02 -4.998276e-02
## 55 -0.0729109308 -2.587339e-02  3.850152e-02  4.732800e-02  4.672310e-02
## 56  0.0207111669 -2.689695e-02  7.788544e-02  5.117817e-02  4.447192e-02

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## 57 0.0641717555 5.309355e-02 5.567827e-02 -2.250114e-03 -4.781700e-02
## 58 -0.0163122302 4.982378e-03 -1.225402e-02 1.010221e-01 -1.159593e-02
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## 62 0.0455685266 2.601901e-02 -1.784447e-02 -2.907969e-02 2.587498e-02
## 63 0.0258244452 2.621337e-02 -3.324322e-03 1.991592e-02 -7.251605e-02
## 64 -0.0567445306 -1.017768e-02 -3.840791e-02 -6.320361e-02 1.423272e-02
## 65 0.0177793057 6.567042e-03 5.468972e-02 -2.324073e-02 1.624254e-03
## 66 0.0086126261 4.138592e-02 -1.258138e-02 -4.050441e-03 -6.440045e-02
## 67 -0.0349124602 -5.349580e-02 4.838873e-02 5.146710e-03 -6.067130e-02
## 68 -0.0481785989 8.108748e-02 -8.452147e-02 1.631907e-02 -5.803297e-02
## 69 0.0484705940 5.637799e-02 4.264075e-03 1.456551e-02 5.244172e-02
## 70 -0.0210787366 8.865192e-03 3.263207e-02 -1.438611e-02 1.859419e-02
## 71 -0.0138810260 -7.918779e-02 5.802285e-02 -5.632950e-02 -1.033571e-02
## 72 -0.0303640137 1.138343e-02 8.739512e-03 6.052747e-02 1.960980e-02
## 73 0.0331769980 6.378930e-02 -8.166343e-03 1.352151e-02 -6.098854e-02
## 74 -0.0269172553 -6.012942e-04 -4.394674e-02 -1.754066e-02 -7.017025e-02
## 75 0.0418376175 -4.055691e-02 -1.950369e-03 1.424777e-02 -4.325475e-02
## 76 0.0339558861 -1.389408e-02 -4.964146e-02 -1.875617e-02 7.531725e-03
## 77 0.0545465682 -4.605978e-02 6.062926e-03 -2.502252e-02 -2.361795e-02
## 78 0.0283369846 3.070763e-02 2.479796e-02 6.704260e-03 7.059021e-02
## 79 -0.0447432120 -1.225327e-01 2.900518e-02 -2.359492e-02 2.869844e-02
## 80 -0.0130339630 3.491712e-02 1.266316e-02 1.679886e-02 -3.051880e-02
## 81 -0.0041791879 -3.920944e-02 -3.684937e-02 4.619921e-02 -2.673522e-02
## 82 0.0008142381 -2.703267e-02 6.603688e-02 9.260826e-03 3.726207e-03
## 83 0.0228597429 1.370504e-02 3.740957e-02 5.500033e-02 1.645995e-02
## 84 -0.0126341498 2.095073e-02 6.596919e-02 1.274789e-02 -7.120513e-03
## 85 0.0272031033 1.622404e-02 2.806406e-02 -1.836220e-03 -1.229487e-01
## 86 -0.0671469409 3.718399e-02 1.591270e-02 -6.133211e-02 3.525982e-02
## 87 0.0719803915 -4.149492e-02 1.005904e-03 -3.918906e-02 1.730136e-02
## 88 0.0600272353 -6.276646e-03 2.999137e-02 -6.078463e-03 2.951187e-02
## 89 0.1158319098 3.037131e-02 6.063591e-02 1.112366e-02 3.574897e-02
## 90 0.0307816840 5.765791e-02 2.489026e-02 4.986925e-02 1.737800e-04
## 91 -0.0745873565 -4.327114e-04 -4.812340e-02 1.525499e-02 -2.309842e-02
## 92 0.0038566822 8.257132e-03 8.393733e-02 -3.363354e-02 -5.598063e-02
## 93 -0.0434881309 -3.133631e-02 2.820870e-02 -5.001956e-02 -2.607592e-02
## 94 0.0026821115 -8.365993e-02 2.325010e-02 -3.641897e-02 4.214766e-02
## 95 0.0319906628 1.667572e-02 3.959995e-03 4.937956e-02 2.976017e-02
## 96 -0.0283240381 7.133329e-03 4.278929e-02 4.105049e-02 -1.095335e-02
## 97 -0.0444893688 -2.163061e-02 -2.166517e-02 -2.982163e-02 1.547492e-02
## 98 -0.0683929244 2.790251e-03 4.901872e-02 -2.201967e-02 3.829344e-02
## 99 0.0991210390 -1.178878e-03 -2.603723e-02 6.674197e-02 -4.325647e-02
## 100 -0.0215430293 -5.538191e-02 6.738293e-02 9.670863e-02 -6.772736e-03
## 101 -0.0315784086 2.027236e-02 -6.359996e-02 4.606096e-02 -4.793297e-02
## 102 0.0027570425 2.993506e-02 -8.819082e-02 9.715320e-05 -1.368676e-02
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## 104 -0.0099695438 1.174738e-02 6.556765e-02 -3.267234e-02 6.492545e-02
## 105 0.0852935592 -3.932629e-02 -1.056173e-01 -3.276836e-02 -1.576419e-02
## 106 0.0017079529 2.913038e-02 -2.913275e-03 -7.123729e-03 9.843492e-03
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## 111 0.0483211867 2.817812e-02 -1.829997e-02 2.992463e-02 -4.866977e-02
## 112 -0.0342583978 -2.231877e-02 3.204908e-02 -2.186935e-02 -9.750305e-03
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## 116 0.0325042245 -8.315362e-02 2.053250e-02 8.868551e-02 3.104632e-02
## 117 -0.0288134179 -3.156365e-02 4.034804e-02 -2.104268e-02 5.050803e-02
## 118 -0.0141662067 -5.843210e-02 1.178598e-02 -2.585226e-02 -6.210457e-02
## 119 0.0173592740 4.139484e-02 1.265896e-02 4.690997e-02 1.999664e-02
## 120 -0.0376499281 8.875823e-02 -2.240941e-02 9.763277e-03 6.999358e-02
## 121 -0.0781775712 -7.513320e-02 -1.961380e-03 -8.286931e-03 -3.288183e-02
## 122 0.0547270588 -2.886821e-02 -5.457623e-02 4.516296e-02 3.546545e-02
## 123 -0.0858771292 9.306615e-04 -1.521506e-02 -5.867000e-02 1.532188e-02
## 124 -0.0490087533 -5.038534e-02 2.309634e-02 9.691810e-02 4.099921e-03
## 125 -0.0060782565 2.377896e-02 -1.626320e-02 -4.898737e-02 7.072881e-02
## 126 0.0338862194 -1.044974e-02 -2.463709e-02 2.867920e-02 -3.009466e-03
## 127 0.0805888470 9.382107e-03 -9.373824e-03 -1.323297e-02 3.784393e-02
## 128 0.0176827981 1.014052e-02 -5.837332e-03 -1.791324e-02 -3.792872e-02
## 129 0.0813855830 -2.037470e-02 2.600364e-02 -1.660997e-02 -2.412118e-02
## 130 -0.0569547041 7.898444e-02 4.146088e-02 -3.800801e-02 -1.246949e-02
## 131 -0.0234026095 -5.135853e-02 1.151890e-02 9.509693e-02 2.390616e-02
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## 133 -0.0185576503 6.302343e-02 6.937366e-03 -7.991492e-03 3.409303e-02
## 134 -0.0654819656 -5.690067e-03 2.240292e-02 -4.633962e-03 -7.805769e-02
## 135 -0.0345808068 -1.228425e-02 3.912843e-03 2.281531e-02 -3.783484e-02
## 136 -0.0176202031 -5.917825e-02 -2.828196e-02 -2.587097e-02 2.654484e-02
## 137 0.0035312378 6.210380e-02 2.712538e-02 -1.239112e-01 1.320830e-02
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## 141 -0.1019995147 3.067749e-02 5.302920e-02 -3.747734e-02 2.218164e-02
## 142 -0.0377554720 -8.507827e-02 -5.595223e-03 5.780971e-02 -1.607666e-02
## 143 -0.0258564918 3.100680e-02 8.867675e-03 3.002916e-02 7.434323e-02
## 144 0.0159346225 1.308423e-01 -1.168056e-02 1.861103e-03 4.087526e-02
## 145 -0.0106312796 -1.706405e-02 -1.378152e-02 -4.298212e-02 -2.108765e-02
## 146 -0.0164377177 2.015098e-03 4.480369e-02 3.640310e-02 1.845800e-02
## 147 0.0203774906 9.871901e-03 5.166972e-02 2.022847e-03 -7.511624e-02
## 148 0.0057461626 -9.310134e-02 9.183421e-02 -7.187898e-02 2.489312e-02
## 149 -0.0486813739 1.337751e-02 1.374203e-02 2.645512e-02 -2.732500e-02
## 150 0.0330979842 3.146720e-02 1.065494e-01 5.558499e-02 -9.121524e-02
## 151 0.0097512854 -8.233383e-02 1.708201e-02 -7.725434e-04 5.246160e-03
## 152 0.0236010474 -1.564051e-02 2.505433e-02 4.496813e-02 -7.500505e-02
## 153 -0.0318193733 -2.713176e-03 -1.176677e-02 2.060842e-02 -2.627525e-02
## 154 0.0511043032 -2.261336e-02 4.611642e-02 -5.997115e-02 -6.481419e-02
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## 157 0.0716325952 1.250500e-02 3.393776e-02 5.154516e-02 -5.810306e-03
## 158 0.0778695497 2.301930e-02 1.831684e-02 -1.406193e-02 6.231103e-03
## 159 -0.0017850900 -2.191159e-02 -3.821624e-03 2.777904e-02 -8.927724e-05
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## 163 0.0145902112 8.120113e-03 -2.644281e-02 1.604639e-02 7.061373e-03
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## 165	0.0419903629	4.712312e-02	5.459942e-02	5.487908e-02	2.888109e-02
## 166	-0.0193789331	2.058602e-03	9.357034e-03	-2.409265e-03	1.074464e-02
## 167	0.0002236272	3.244760e-02	4.348142e-03	1.001925e-02	1.289635e-02
## 168	-0.0308216125	2.989196e-02	5.597035e-02	7.981739e-02	-7.946388e-03
## 169	-0.0232755580	8.044928e-02	4.812784e-02	3.632802e-02	2.216522e-02
## 170	0.0267318089	1.092334e-02	-3.291042e-02	-3.934144e-02	1.297664e-02
## 171	0.0203954983	-2.593243e-02	1.061023e-02	-5.279107e-03	1.398795e-02
## 172	0.0803289838	-5.501444e-03	-5.387835e-02	-5.747109e-02	9.978458e-03
## 173	-0.0236452230	7.084354e-02	-3.655508e-02	5.206880e-02	7.223561e-03
## 174	0.0652512480	3.726359e-03	6.825267e-02	-1.345460e-01	-4.346740e-02
## 175	-0.0186831662	7.328086e-02	-2.833439e-02	7.061015e-03	-2.043971e-02
## 176	0.0175842730	-3.307305e-02	7.004288e-02	6.437125e-02	4.581094e-02
## 177	0.0201457117	-2.161308e-03	-2.812047e-02	3.775282e-02	-5.438161e-03
## 178	-0.0449789524	2.215009e-02	4.385448e-02	4.376721e-03	-2.760060e-02
## 179	0.0364991374	3.441313e-02	-5.222606e-02	-4.514530e-02	-1.084304e-03
## 180	0.0195844610	9.992617e-02	-6.572460e-03	-2.718201e-02	2.836241e-02
## 181	0.0484423970	5.159503e-02	-2.276863e-02	-1.028037e-01	-6.490374e-02
## 182	-0.0303923575	-1.879259e-02	5.669964e-03	1.471914e-02	-4.534921e-02
## 183	-0.0558755803	6.667557e-04	8.513057e-03	6.749232e-02	-4.066253e-02
## 184	0.0310020121	3.899003e-02	7.319459e-03	5.506204e-02	-9.525212e-03
## 185	-0.0182514901	5.581881e-03	-2.131466e-02	4.009465e-02	-1.015771e-02
## 186	-0.0208439637	-2.556319e-02	3.121947e-02	-2.648030e-02	3.140504e-02
## 187	-0.0731568805	1.203323e-02	-2.594182e-02	-5.002818e-04	2.119597e-02
## 188	0.0577172412	1.115632e-01	2.029405e-02	-9.805527e-03	-4.585264e-02
## 189	-0.0066567445	-1.035015e-02	-8.304852e-02	2.720737e-02	-2.591184e-02
## 190	0.0724400321	-3.573357e-02	-2.145157e-02	-7.399133e-03	2.784996e-02
## 191	0.0128524449	1.709570e-02	6.112382e-02	5.466779e-02	-7.166508e-02
## 192	0.0008163104	3.652367e-02	4.423152e-02	7.358371e-03	5.291567e-02
## 193	0.0228142988	2.195612e-02	1.543815e-02	-1.652848e-03	5.694661e-02
## 194	-0.0587046975	-7.529295e-02	5.598035e-02	5.423443e-03	-1.996677e-02
## 195	-0.0255364535	-2.550462e-02	6.777796e-02	-7.099900e-03	-1.932178e-02
## 196	0.0621210580	-4.634982e-03	6.838401e-02	2.049695e-02	-9.978357e-02
## 197	-0.0110396080	2.297753e-02	-2.485000e-03	3.347598e-02	1.948481e-02
## 198	0.0262776886	-1.824699e-02	-2.720864e-02	-2.793973e-02	4.137119e-02
## 199	-0.0029997278	-8.020684e-03	-8.817164e-03	3.499030e-03	2.236595e-03
##	V496	V497	V498	V499	V500
## 1	-0.0415129041	0.0362392948	7.684419e-04	-0.0147546566	-0.0853932148
## 2	-0.0450373569	0.0058271493	-4.081307e-02	0.0222551523	-0.0660736246
## 3	-0.0820715162	-0.0115581833	1.366560e-02	-0.0350553149	0.0332450654
## 4	0.0513590528	0.0385907682	2.133974e-02	0.0577549224	-0.0093545390
## 5	-0.0253536038	-0.0107584316	2.204723e-02	0.0341128501	0.0059799338
## 6	0.0045984730	-0.0007438752	-2.175721e-02	0.0683377590	0.0183567744
## 7	0.0176412611	0.0136480509	-2.184460e-03	-0.0318366526	-0.0249401772
## 8	0.0882094650	0.0441881821	-4.710581e-02	-0.0719204988	-0.0587426800
## 9	0.0441333121	0.0490718253	-3.290532e-02	-0.1011358060	0.0381957618
## 10	0.0111195079	-0.0069585178	-6.143521e-02	-0.0434080359	0.0297495153
## 11	-0.0196663700	0.0427082655	7.698203e-03	0.0026513819	-0.0100951386
## 12	0.0494284565	0.0340899265	-1.052209e-02	-0.0135537164	-0.0395068054
## 13	0.0377277211	-0.0023463414	-3.084865e-02	0.0767430181	-0.0393969506
## 14	0.0179895395	0.0015053281	1.497324e-02	-0.0012702070	-0.0112094875
## 15	0.0131401261	0.0568360413	6.305952e-03	0.0022055210	-0.0077294543
## 16	0.0020452556	-0.0123737295	-3.491113e-02	0.0225088055	0.0073200560
## 17	0.0146730403	0.0230744402	-4.681467e-02	0.0022219878	-0.0198810008
## 18	0.0118787335	-0.0427853547	-3.596083e-02	0.0252324611	-0.0240413666

## 19	0.0048078001	0.0210574557	1.976842e-02	0.0866087636	0.0313180296
## 20	-0.0225055393	0.0130256122	2.657089e-02	-0.1395968656	-0.0054528841
## 21	0.0038023871	-0.0260165405	6.073198e-02	0.0019469600	0.0093966450
## 22	-0.0443846792	0.0361671288	-2.187770e-02	-0.0389811791	0.0248490569
## 23	-0.0859122237	0.0572429364	-4.568509e-02	0.0563519586	-0.0085897605
## 24	-0.0008553351	0.0389504853	2.217740e-02	0.0323545846	0.0154847223
## 25	-0.0717006377	0.0358826670	7.784120e-02	-0.0420771576	0.0718976570
## 26	0.0341966851	-0.0553096431	-1.155684e-02	0.0416012290	-0.0530137256
## 27	0.0131212032	0.0141579491	-5.095285e-02	-0.0290667224	0.0819538993
## 28	0.0417862854	0.0088056506	-7.086885e-02	0.0937022716	-0.0207970077
## 29	-0.0081103119	-0.0089277363	4.344558e-02	-0.0332025171	-0.0157057229
## 30	0.0973855506	-0.0902911536	2.046910e-02	-0.0382237351	-0.0271012688
## 31	-0.0003282210	-0.0177896804	5.630715e-02	-0.0396176574	0.0193714976
## 32	-0.0235492926	0.0200004197	-4.851294e-02	-0.0104575905	-0.0378564607
## 33	0.0465079128	0.0539381398	9.500547e-03	-0.0439100402	0.0718765737
## 34	0.0255033709	0.0283716688	7.304337e-03	0.0426773349	-0.0814644329
## 35	-0.0436652564	0.0666003676	-6.360822e-02	0.0142498624	0.0576945681
## 36	0.0185586052	-0.0093952323	-1.780942e-02	-0.0435425423	-0.0084599635
## 37	0.0904671224	-0.0594167219	-2.426506e-02	-0.0495928096	-0.0398860971
## 38	0.0232259171	-0.0360082649	-3.739930e-03	0.0099546618	-0.0599444812
## 39	0.1264095907	0.0483472243	-6.741206e-02	0.0620330125	-0.0032969084
## 40	-0.0284122959	0.0814801446	8.534281e-02	0.0518208003	0.0095366293
## 41	-0.0028482392	-0.0055607142	1.306879e-02	-0.0522441309	-0.0283513946
## 42	-0.0060447403	0.0373503914	-7.096060e-02	-0.0656699954	-0.0463742219
## 43	-0.0305372129	0.0265120547	-3.878351e-02	-0.0274147587	-0.1175964137
## 44	0.0563549949	-0.0478832674	-4.591941e-03	0.0018548329	0.0912871302
## 45	0.0241991667	-0.0107636360	4.017925e-02	0.0033009202	-0.0183193531
## 46	-0.0282366724	0.0082295873	-9.810331e-02	-0.0150343315	0.0064307262
## 47	0.0320228800	0.0515895200	9.198647e-03	0.0021569128	-0.0674216499
## 48	0.1006260747	-0.0191604199	1.537267e-02	0.0149821681	-0.0212640002
## 49	0.0093336994	-0.0001163201	2.816385e-02	0.0221787431	0.0055912031
## 50	-0.0782684458	-0.0289163452	4.338915e-02	0.0936313295	-0.0544849604
## 51	-0.0455256651	0.0580148338	-9.514022e-02	-0.0392235943	0.0099274672
## 52	0.0097422534	-0.0746509264	3.703977e-03	-0.0750080794	0.0248056932
## 53	-0.0793868741	-0.0536406909	1.283116e-02	0.0049401718	0.0564549724
## 54	0.0071851340	0.0271645974	-3.279894e-02	0.0596821265	0.0076344563
## 55	-0.0231926309	-0.0412953512	-2.931365e-03	-0.0087568583	-0.0505028227
## 56	-0.0098117299	0.0033993999	1.091489e-01	0.0656884924	-0.0160680646
## 57	0.0382821631	-0.0669142425	-2.058971e-02	-0.0481810045	0.0207957991
## 58	0.0118525784	0.0212942557	-1.344851e-01	-0.0207235354	0.0681662951
## 59	0.0163066285	0.0213911905	1.972593e-02	0.0736727522	-0.0216807774
## 60	0.0421495973	-0.0118144344	1.089748e-02	0.0566992833	-0.0223587555
## 61	-0.0138124490	0.0213542070	-1.625320e-02	0.0426411790	0.0929743903
## 62	-0.0201262052	0.0417003619	-5.098276e-02	0.0336387453	0.1423683470
## 63	0.0456036264	-0.0222908456	-1.979618e-03	0.0459809600	-0.0911876019
## 64	0.0349063200	0.0136638730	-4.481880e-02	-0.0900384018	-0.0408353512
## 65	0.0004050409	0.0317700101	5.253399e-02	-0.0384533885	0.0109214633
## 66	-0.0312331526	-0.0091766710	2.977041e-02	0.1248986766	-0.0255969279
## 67	0.0236939036	-0.0248967559	2.966478e-02	0.0632824270	-0.0804075870
## 68	0.0412444964	0.0516210554	-1.561191e-02	-0.0467940336	-0.0143491308
## 69	0.0035800105	-0.0102422068	9.608712e-03	0.0086260398	-0.0590292127
## 70	0.0200664942	-0.0677791810	-1.014450e-02	-0.0285024646	0.0406723649
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## 73	-0.0002218463	0.0034268157	7.398208e-02	-0.0266429185	-0.0628710732
## 74	0.0472837128	0.0060375568	2.499366e-02	0.0007575886	-0.0223584352
## 75	-0.0523117578	-0.0009388239	-7.509309e-02	-0.0327227534	-0.0368216434
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## 77	-0.0081985902	-0.0347142177	4.618382e-02	0.0734625084	0.0182879722
## 78	-0.0144988580	0.0683155343	-1.484034e-02	-0.0246131677	-0.0902149331
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## 82	-0.0697880466	-0.0393806312	-4.102351e-02	0.0202852715	0.0197500432
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## 84	0.0643716764	-0.0890138199	2.743873e-02	-0.0060593477	-0.0573568128
## 85	-0.0217851693	0.1028257991	-4.584550e-02	0.0563454545	0.0888198123
## 86	0.0514294903	-0.0477740241	1.350331e-02	0.0118327433	0.0600879631
## 87	0.0054597067	-0.0286016583	-3.984633e-02	-0.0710184896	0.0725821286
## 88	0.0239850476	-0.0977560785	4.224345e-02	-0.0286898165	-0.0312539607
## 89	0.0297383771	0.0570698474	-2.676332e-02	0.0050398444	0.0387852701
## 90	-0.0437604108	0.0242204823	-1.736018e-02	-0.0240529035	-0.0308504336
## 91	-0.0671638751	0.0157916769	-3.230138e-02	0.0189329345	-0.0260934196
## 92	-0.0208939694	-0.0777336325	9.704898e-02	0.0591760439	0.0477698426
## 93	-0.0520908610	-0.0927721512	-3.972796e-02	-0.0905101124	0.0679028447
## 94	-0.0360152371	-0.0337870066	4.564901e-02	-0.0772718591	0.0698119535
## 95	-0.0354742168	0.0608910845	7.130369e-02	-0.0527725758	0.0320211431
## 96	0.0135154614	-0.0059075363	7.936282e-03	0.0553743932	0.0107728848
## 97	0.0001866445	0.0379429746	-1.571874e-02	-0.0870794131	0.0460408969
## 98	-0.0038004878	-0.0645144473	3.490210e-02	-0.0024259516	0.0171157490
## 99	-0.0652725312	0.0065101691	4.360392e-02	-0.0683493275	-0.0336541194
## 100	-0.0094559835	0.0134818843	6.387557e-03	0.0239709650	0.1161738242
## 101	0.0308247482	-0.0077605697	-4.229266e-03	0.0041568838	-0.0401854976
## 102	0.0041521244	-0.0222338445	2.463629e-02	0.0016907726	-0.0012777371
## 103	-0.0711633086	-0.0197498086	2.777272e-02	-0.0580482531	0.0026723160
## 104	-0.0196991717	-0.0756736567	-9.223051e-02	-0.0134198316	-0.0545288231
## 105	0.0261298983	-0.0826737396	-2.706152e-02	-0.0314815058	-0.0001200601
## 106	0.1114885134	0.0088294570	7.343869e-02	0.0640264255	-0.0195929455
## 107	0.0079793985	-0.0576082880	2.672936e-02	0.0205684615	-0.0087446138
## 108	0.0917728296	0.0422691169	2.218800e-02	-0.0147207004	0.1242453969
## 109	0.0455626983	-0.0323642857	-1.563269e-03	0.0172710065	0.0216673310
## 110	0.0450015602	-0.0398997016	9.224895e-03	-0.0045139798	-0.0091109173
## 111	0.0762930953	0.0662456243	4.145156e-02	0.0598384141	0.0005219000
## 112	0.0510864066	-0.0517118914	-4.542572e-02	0.0318543145	0.0420438007
## 113	-0.0533191280	-0.0405142352	-7.077463e-02	0.0019496762	0.0248610742
## 114	-0.0516064344	0.0141588081	2.681513e-02	0.0239656210	0.0382288557
## 115	0.0006054190	-0.0141038548	3.833366e-02	0.0851314506	0.0663789118
## 116	0.0348520511	-0.0045236306	-5.525730e-03	0.0049861804	0.0216854888
## 117	-0.0086135119	-0.0071562984	-4.551087e-02	-0.0187639501	0.0130536277
## 118	-0.0190063618	0.0007755756	4.011741e-02	0.0358013603	-0.0120013243
## 119	-0.0721448229	0.0448964715	-3.825115e-02	-0.0337753245	0.0396980376
## 120	0.0030812725	0.0008732080	9.186024e-03	0.0096525976	-0.0088595437
## 121	-0.0484283082	0.0021105517	7.305563e-02	0.0087811634	0.0485473704
## 122	0.0539571654	0.0408879066	-7.799948e-03	-0.1410318609	-0.0047346357
## 123	0.0692857423	-0.0263319281	7.220076e-03	-0.0933334061	-0.0123979490
## 124	-0.0205236723	0.0080468410	2.229924e-02	0.0449349063	-0.0748253149
## 125	0.0352903437	-0.0341203604	-5.077183e-02	-0.0299909032	-0.0421787907
## 126	-0.0210578683	0.0117979920	5.136721e-02	0.0127552485	-0.0022199684

```

## 127 -0.0427737906 0.0144457699 -2.792501e-02 0.0031164713 0.0074732896
## 128 -0.0814477140 0.0311917278 -1.958947e-02 0.0382609464 -0.0795460180
## 129 -0.0362984665 -0.0429845655 -6.616465e-02 0.0120801237 -0.0593499974
## 130 -0.0043136443 0.0062866247 -4.096357e-02 -0.0574248707 -0.0309697797
## 131 0.0513588266 -0.0200585532 -1.835161e-02 0.0492611193 0.0485719510
## 132 -0.0024920596 0.0289983534 -3.470603e-03 -0.0234281335 -0.0736942985
## 133 -0.0055952970 0.0279204535 5.060120e-03 0.0460600080 0.0219600448
## 134 -0.0246838858 -0.0229365000 -7.930988e-03 -0.0075490011 -0.0717799196
## 135 0.0568759731 -0.0175799268 -4.421103e-02 -0.0179319641 0.0303617368
## 136 0.0242436562 -0.0455273087 -1.822407e-03 0.0508989704 0.0001951582
## 137 -0.0067837849 0.0115104153 -7.865591e-02 -0.0366395107 0.0393243322
## 138 0.0186044762 0.0388382198 2.512737e-02 -0.0189699593 -0.0075315815
## 139 -0.0468649829 0.0570756548 -2.254913e-02 -0.0111834534 -0.0568578237
## 140 0.0462135495 0.0087502362 -3.653001e-02 -0.0174633135 0.0544317814
## 141 0.0516851258 0.0541027864 -2.182968e-02 -0.0395945958 -0.0205334928
## 142 0.0273763856 0.0687011403 4.171406e-02 -0.0281385949 0.0174918635
## 143 -0.0085745555 -0.0451953639 8.005217e-02 0.0207072679 0.0943185487
## 144 -0.0445811631 0.0288246801 4.222832e-02 -0.0849073689 -0.0045102421
## 145 -0.0638984277 0.0583270652 4.175713e-02 0.0046422342 0.0675689571
## 146 0.0077985470 -0.0621916995 7.788243e-02 -0.0560344311 0.0120897461
## 147 0.0222311146 -0.0185956330 2.680013e-02 0.0959041290 -0.0195122572
## 148 -0.0537580114 -0.0290942647 5.234575e-02 -0.0299477690 0.0905239130
## 149 0.0245253709 -0.0027984278 -1.687724e-02 -0.0260248661 0.0682957218
## 150 0.0233240713 -0.0427007058 -1.191651e-01 0.0478346419 -0.0199295198
## 151 0.0445838844 0.0231582108 -5.639217e-03 -0.0075915819 0.0339413055
## 152 0.0107653354 0.0181537904 1.376937e-02 -0.0216968672 -0.0066997093
## 153 -0.0272820508 -0.0399854512 -1.631248e-03 0.0587040471 0.0097704684
## 154 -0.0181949609 -0.0309152629 8.361368e-02 -0.0373229567 -0.0083431671
## 155 0.0445053153 0.0525468409 1.006129e-01 0.0141070149 0.0471118187
## 156 -0.0068252070 -0.0299930874 2.611718e-02 0.0240522852 0.0222636435
## 157 -0.0009910631 -0.0156437752 1.639609e-02 0.0344927933 0.0153263263
## 158 -0.0274285792 0.0120859028 1.403168e-02 0.0895280702 -0.0287052525
## 159 -0.0935099389 0.0504900358 -2.330384e-02 -0.0338899808 -0.0120352205
## 160 -0.0392630102 0.0199473438 -2.114895e-03 -0.0702989094 0.0658340241
## 161 0.0029529375 -0.0181402316 -3.034172e-02 0.0158831994 -0.0957214292
## 162 0.0286384646 -0.0680605545 2.792610e-02 -0.0104769468 -0.0001444968
## 163 -0.0240402543 -0.0909808995 -4.833463e-02 -0.0914502607 0.0508934369
## 164 -0.0675228829 0.0626479404 7.223935e-02 0.0245311042 0.0596641437
## 165 -0.0177365014 -0.0782668019 -1.075014e-02 -0.0449708928 -0.0123074072
## 166 -0.0489298565 -0.0973731950 -3.406175e-02 -0.0908670263 0.0370559020
## 167 0.0219785130 -0.0486878253 1.508815e-02 0.0527733673 -0.0036618037
## 168 0.0104261444 0.0783080730 -1.159609e-01 0.0031258929 0.0454039242
## 169 0.0222330495 -0.0991340289 -4.526931e-02 0.0856651436 0.0164789868
## 170 0.0212129072 0.1439941510 5.080385e-02 -0.0485531244 -0.0135411454
## 171 -0.1082986668 0.0224162706 -2.020027e-02 0.0569454788 0.0381599230
## 172 0.0402754305 0.0090074189 -2.271164e-02 0.0003890271 0.0067005272
## 173 0.0012072697 -0.0804334874 7.157832e-05 -0.0007728336 0.0189283411
## 174 -0.0217011658 -0.0660356669 6.520649e-02 -0.0196138606 -0.0904230387
## 175 -0.0447881444 -0.0148916196 5.306531e-03 -0.0513240355 -0.0505079846
## 176 -0.0437025693 0.0028569078 2.138901e-02 -0.0138475308 0.0221529396
## 177 0.0308765073 -0.0660638345 -7.991747e-02 0.0209370563 0.0023535560
## 178 0.0367359674 0.0544559415 8.918195e-03 0.0310803167 -0.0514456845
## 179 -0.0052512431 0.0027600714 -3.045040e-02 0.0265214911 -0.0470864619
## 180 0.0725291174 0.0608664100 -8.190128e-03 0.1455305234 0.0288317580

```

```
## 181 -0.0399557123  0.0391193321  4.416325e-02 -0.0522254559  0.0666696138
## 182  0.0534607345  0.0153481450  7.278698e-02  0.0719429845 -0.0501267833
## 183  0.0527001918 -0.0583819625 -3.655766e-02  0.0692628484 -0.0316482201
## 184  0.0407136182 -0.0890642475  6.302324e-02 -0.0404074260  0.1100337036
## 185 -0.0058205548 -0.0153790952 -2.714383e-03 -0.0022617190 -0.0118803751
## 186 -0.0183272097 -0.1026506911  1.238248e-02  0.0025015695 -0.0174078641
## 187  0.0039691878  0.0153423425 -5.652929e-02  0.0597731695  0.0340790203
## 188 -0.0275296975 -0.0052837854  4.040518e-02  0.0210022006 -0.0860766129
## 189 -0.0051474385  0.0209054725 -5.927647e-02  0.0307860019  0.0097222450
## 190 -0.0302136317 -0.0283018336  4.473647e-02  0.0171728239 -0.0112836989
## 191  0.0113149998 -0.0506619702  3.001966e-02 -0.0286741000  0.0224391324
## 192 -0.0670065675  0.0096397181  1.740778e-02  0.0270188048 -0.0346460075
## 193 -0.0219093221 -0.0127800814 -7.503280e-02 -0.0581047116 -0.0045020460
## 194  0.0113864350 -0.0125174031 -3.155179e-03 -0.0204285114  0.0260459801
## 195  0.0416516455 -0.0347170956  6.289056e-02 -0.0114499512  0.0239779132
## 196 -0.0066369728 -0.0463872158 -6.768162e-02 -0.0050740708  0.0022955663
## 197  0.0230582880 -0.0038858832  3.514207e-02 -0.0154755134  0.0536392530
## 198 -0.0494734323  0.0174790723 -1.243541e-02 -0.0082206225  0.0710097320
## 199 -0.0340093861  0.0089676543  5.765838e-03 -0.0253984399  0.0113767103
## [ reached 'max' / getOption("max.print") -- omitted 801 rows ]
```

Now the function is called, passing through matrix `a`, `lambda1`, `lambda2`, and our desired rank `k`. The output is stored as a list in `fin_sprout`. Note that if a different initial point is desired, `x0` and `y0` should be modified, but the default value as the first k right singular vectors is sufficient for this example.

If further printout is desired, set `verbose=TRUE` for progress updates (time, difference for convergence, F value) per iteration.

```
# function call
fin_sprout <- spca.amanpg(z, lambda1, lambda2, k=4)
print(paste(fin_sprout$iter, "iterations,", fin_sprout$sparsity, "sparsity,", fin_sprout$time))

## [1] "280 iterations, 0.491 sparsity, 1.22384309768677"
```

The loadings can be viewed from `fin_sprout$loadings`. Note that many entries are set to zero as a result of the induced sparsity.

```
# View loadings
as.data.frame(fin_sprout$loadings)
```

##		V1	V2	V3	V4
## 1		0.0880974045	0.0000000000	0.0000000000	0.0000000000
## 2		0.0000000000	0.0000000000	0.0000000000	0.0000000000
## 3		0.0285271864	0.0324180097	0.0000000000	0.0784247197
## 4		0.0000000000	-0.0456984216	0.0000000000	0.0906653493
## 5		0.0103525994	-0.0010864730	0.0000000000	-0.2210455435
## 6		0.0000000000	0.0000000000	0.0000000000	0.0000000000
## 7		0.0586876126	0.0000000000	0.0000000000	0.0000000000
## 8		0.0012638966	0.0000000000	0.0000000000	0.0996717901
## 9		0.0046009612	0.0000000000	0.0000000000	0.0000000000
## 10		0.0000000000	0.0012140885	-0.0019560772	0.0000000000
## 11		0.0000000000	0.0000000000	-0.0071807254	-0.1487546824
## 12		-0.0249856249	0.0000000000	-0.0178951983	0.0000000000
## 13		0.0000000000	-0.0000161839	0.0000000000	0.0274841430
## 14		0.0000000000	0.0317374931	0.0000000000	0.0122397346
## 15		0.0267453479	-0.0742174892	-0.0356341323	-0.0257334675
## 16		-0.0576872333	0.0613060980	0.0000000000	0.0000000000

## 17	0.0498519718	0.0059788350	0.0704430728	0.0000000000
## 18	0.0300697672	0.0000000000	0.0000000000	0.0305963048
## 19	0.0000000000	0.0000000000	0.0000000000	-0.0065753338
## 20	0.0094360083	-0.0364064591	0.0084838321	0.0000000000
## 21	0.0000000000	0.0000000000	0.0000000000	0.0298703158
## 22	-0.0366258823	0.0000000000	-0.0252612060	0.0000000000
## 23	-0.1025444787	-0.0138626940	-0.0388833964	0.0000000000
## 24	0.0000000000	-0.0009945143	0.0419951262	-0.0354196238
## 25	0.0024919190	-0.0075420188	0.0042950399	0.0000000000
## 26	0.0404187426	0.0570870633	0.0000000000	0.0000000000
## 27	0.0000000000	0.0000000000	0.0000000000	0.0000000000
## 28	0.0000000000	0.0000000000	0.0000000000	-0.0382870648
## 29	0.0000000000	0.0000000000	-0.0003446455	0.0333061118
## 30	0.0000000000	-0.0784734631	0.0000000000	0.0000000000
## 31	0.0000000000	-0.0129108880	-0.0253296242	0.0120452726
## 32	0.0000000000	0.0000000000	0.0000000000	0.0180030329
## 33	-0.1113602218	0.0297988958	0.0000000000	0.0000000000
## 34	0.0000000000	0.0000000000	-0.0038224464	0.0000000000
## 35	0.0000000000	0.0000000000	0.0000000000	0.0185856806
## 36	0.0259380574	0.0000000000	0.0000000000	0.0000000000
## 37	0.0110773186	-0.0486474696	0.0000000000	0.0000000000
## 38	0.0688103256	0.0000000000	0.0028659565	0.0000000000
## 39	-0.0529812342	-0.0702940039	-0.0169494152	0.0687077745
## 40	-0.0414264983	-0.1420904004	-0.0293782466	0.0000000000
## 41	0.0000000000	0.0000000000	0.0000000000	0.0011881675
## 42	0.0000000000	0.0391971077	-0.0243602405	0.0000000000
## 43	-0.0453171629	0.0000000000	0.0085145993	0.0000000000
## 44	0.0000000000	-0.0362357197	-0.1276877092	0.0279682291
## 45	-0.0167147894	0.0862211961	-0.0064139380	0.0000000000
## 46	0.0000000000	0.0000000000	0.0819297810	-0.0157637036
## 47	0.0441277874	-0.0562159017	0.0000000000	0.1097098151
## 48	0.0000000000	-0.0206987833	0.0862523003	0.0000000000
## 49	0.0000000000	0.0685397191	0.0000000000	0.0120835359
## 50	0.0521606120	0.0000000000	0.0397232450	0.0286976054
## 51	0.0000000000	0.0172402286	0.0594446734	0.0000000000
## 52	0.0000000000	-0.0911780048	0.0000000000	0.0623484749
## 53	0.0676238362	0.0508825308	0.0000000000	0.0741364689
## 54	0.0600765223	0.0000000000	-0.0275588377	-0.0506835857
## 55	0.0000000000	0.0175844171	0.0000000000	-0.0771864557
## 56	0.0130377247	-0.0916235257	0.0000000000	-0.0376117034
## 57	0.0000000000	-0.0500581985	0.0083552088	0.0000000000
## 58	0.0544862795	0.0516835170	-0.0191534609	0.0100494289
## 59	0.0000000000	0.0801711219	0.0000000000	0.0237926147
## 60	0.0000000000	0.0080561207	-0.0636903239	-0.0206138569
## 61	0.0896578356	0.0000000000	0.0000000000	-0.0187406502
## 62	0.0000000000	0.0160986534	0.0000000000	0.1021263254
## 63	0.0714802263	0.0851336833	0.0014776902	0.0000000000
## 64	-0.0684167464	0.0124238504	0.1308413487	0.0584472139
## 65	-0.0535929635	-0.0084447284	0.0000000000	0.0000000000
## 66	0.0000000000	0.0505248435	-0.0192811155	0.0000000000
## 67	-0.0589868316	0.0000000000	-0.0361004286	0.0361385424
## 68	0.0000000000	-0.0579136333	0.0000000000	0.0000000000
## 69	0.1110863654	-0.0564694488	-0.0314568936	0.0000000000
## 70	0.0000000000	-0.0444292687	-0.0309446530	-0.1649907764

## 71	0.0000000000	-0.0143557237	0.0052338456	0.0000000000
## 72	0.0039304410	0.1507408123	0.0511372972	-0.0918726621
## 73	0.0000000000	0.0053613563	0.0000000000	0.0000000000
## 74	-0.0274121503	0.0000000000	0.0478383312	-0.1415609463
## 75	0.0008531090	0.0000000000	0.0000000000	-0.0318177006
## 76	0.0000000000	-0.0226096133	-0.0244230753	0.0000000000
## 77	0.0000000000	-0.0418260521	-0.0941110331	0.0303595181
## 78	-0.0156868722	0.0855023734	0.0000000000	0.0032802609
## 79	-0.0230300988	-0.0190953784	0.0000000000	0.0000000000
## 80	0.0000000000	0.0000000000	0.0000000000	0.0000000000
## 81	-0.0283379805	0.0034011346	0.0000000000	0.0000000000
## 82	0.0000000000	0.0486518231	0.0197462067	0.0000000000
## 83	0.0000000000	0.0000000000	-0.0841231431	-0.0602673707
## 84	0.0316036072	0.0304276770	-0.0408149780	0.0000000000
## 85	0.0000000000	0.0000000000	0.0845754688	0.0832609523
## 86	0.0000000000	-0.0142284021	-0.0002814041	0.0000000000
## 87	-0.0980034729	-0.1086672464	0.0000000000	-0.0208664516
## 88	0.0000000000	0.0000000000	0.0000000000	0.0000000000
## 89	0.0000000000	0.0000000000	-0.0434429854	0.0000000000
## 90	0.0000000000	0.0000000000	0.0000000000	-0.0461185221
## 91	0.0000000000	-0.0954251433	0.0142688841	0.0000000000
## 92	-0.0278263151	-0.0503293365	-0.0163455777	-0.0355154304
## 93	0.0000000000	-0.0950503957	0.0277073713	0.0000000000
## 94	0.0397411919	0.0000000000	-0.0097915968	0.0439214425
## 95	0.0000000000	-0.0343401745	0.0000000000	0.0000000000
## 96	-0.0956371538	0.0000000000	0.1147256951	0.0000000000
## 97	0.0627720423	0.0061644033	-0.0635961672	-0.0480095147
## 98	0.0000000000	-0.2242788497	0.0294610230	0.0000000000
## 99	-0.1186944026	-0.0340543031	0.0625962761	0.0000000000
## 100	0.0000000000	0.0153398866	0.0572582153	0.0000000000
## 101	0.0000000000	0.0000000000	-0.0802922140	0.0000000000
## 102	0.0087005693	0.0000000000	0.0000000000	0.0000000000
## 103	-0.1443427170	-0.0072016439	0.0000000000	0.0000000000
## 104	-0.0769532843	0.0513164379	0.0000000000	0.0136435678
## 105	0.0000000000	-0.0528662425	0.0159111632	0.0000000000
## 106	0.0000000000	0.0158091562	0.0009902077	0.0000000000
## 107	0.0000000000	0.0665205083	-0.0124891146	0.0143592828
## 108	0.0000000000	-0.0901544343	-0.0100446684	0.0000000000
## 109	-0.0010152288	0.0000000000	0.0000000000	-0.0361736482
## 110	-0.0520468648	0.0000000000	-0.0519018029	-0.0558854445
## 111	0.0131741510	-0.0600932453	-0.0656585540	0.0000000000
## 112	0.0000000000	0.0000000000	-0.0223531931	-0.0534376020
## 113	-0.0054873783	0.0000000000	-0.1482737536	-0.0315396091
## 114	0.0000000000	0.0000000000	0.0352027140	0.0019480889
## 115	-0.1626142361	0.0000000000	-0.0682522852	0.0000000000
## 116	0.0000000000	0.0000000000	0.0445426717	-0.0318076834
## 117	0.0294907710	0.0720688531	0.0000000000	0.0596808645
## 118	-0.0076530229	0.0440752282	0.0000000000	0.0205082672
## 119	0.0000000000	0.0000000000	-0.0836533274	-0.0303246527
## 120	-0.0543414079	0.0000000000	0.0000000000	0.0000000000
## 121	-0.0028643489	0.0000000000	0.0246562683	0.0000000000
## 122	0.0000000000	0.0000000000	-0.0276133514	-0.0368702337
## 123	0.0000000000	0.0000000000	0.0154264791	0.0000000000
## 124	0.0215592988	0.0000000000	-0.1083199029	-0.1465460488

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## 125 0.0840077168 -0.0782700151 0.0000000000 0.0000000000
## 126 0.0000000000 0.0029326141 0.0000000000 0.0000000000
## 127 -0.0508730305 -0.0260360945 0.0772203962 0.0000000000
## 128 0.1340798454 0.0000000000 0.0692263346 0.0000000000
## 129 0.0281302849 0.0000000000 0.0547037508 0.0000000000
## 130 0.1204128570 -0.0105456144 0.0000000000 -0.0122708539
## 131 0.0178847824 0.0000000000 0.0000000000 -0.0959414250
## 132 0.0000000000 0.0000000000 0.0000000000 0.0000000000
## 133 -0.0168437360 0.0018000876 0.0736749573 0.0000000000
## 134 0.0355075217 -0.0126014495 0.0000000000 -0.0365919185
## 135 0.0000000000 0.0357851478 0.0000000000 0.0000000000
## 136 0.1051269244 -0.1636001360 0.0000000000 0.0000000000
## 137 0.0977553176 0.0000000000 0.0753867069 -0.0044042882
## 138 0.0000000000 0.0000000000 0.0000000000 0.0000000000
## 139 -0.0261732880 0.0259717998 0.0000000000 -0.0223512443
## 140 0.0000000000 -0.0327957505 0.0511343274 -0.0045011152
## 141 -0.0164767468 0.0033529213 0.0000000000 0.0184957240
## 142 -0.0114396207 0.0501846644 -0.0872476662 -0.0157578721
## 143 0.0000000000 0.0000000000 0.0544990109 0.0000000000
## 144 0.0556024810 0.0000000000 -0.0048294307 0.0000000000
## 145 -0.0846316405 0.0000000000 0.0132696424 0.0000000000
## 146 0.0000000000 -0.0560990011 0.0000000000 0.0000000000
## 147 0.0202681361 0.0000000000 0.0000000000 0.0692878979
## 148 0.0000000000 -0.0462451706 -0.1332252838 0.0000000000
## 149 0.0000000000 0.0000000000 0.0098655447 -0.0286077584
## 150 0.0000000000 0.0000000000 0.0000000000 0.0000000000
## 151 -0.0125490442 0.0136945648 0.0000000000 0.0000000000
## 152 -0.0423821086 0.0000000000 -0.0492472909 0.0000000000
## 153 -0.0174738242 0.0000000000 0.0000000000 0.0000000000
## 154 -0.0524237644 0.0000000000 0.0000000000 0.0000000000
## 155 0.1074635489 0.0043826848 0.0000000000 0.0671880710
## 156 0.0703352960 0.0000000000 0.0000000000 -0.0136977729
## 157 0.0000000000 -0.0374714366 0.0000000000 0.0000000000
## 158 0.0000000000 0.0000000000 0.0000000000 0.0000000000
## 159 0.0000000000 0.0446324780 0.0000000000 -0.0204158807
## 160 -0.0130502782 0.0000000000 0.0317616775 0.0000000000
## 161 0.0000000000 0.0000000000 -0.0104252183 0.0000000000
## 162 0.0883616953 0.0000000000 -0.1386243473 0.0618326995
## 163 0.0000000000 0.1194702909 0.0000000000 -0.0736690962
## 164 0.0000000000 0.0454114878 -0.0468997124 -0.0362913805
## 165 -0.0231521542 0.0000000000 0.0000000000 0.0000000000
## 166 -0.0507419372 0.0000000000 0.0000000000 -0.0055430873
## 167 0.0000000000 0.0000000000 0.0000000000 0.1019774157
## 168 0.0000000000 0.0000000000 -0.0052288849 0.0149307599
## 169 -0.0594395829 -0.0170340570 0.0529346640 -0.0097568105
## 170 0.0000000000 0.0000000000 0.0330499068 -0.0125686499
## 171 -0.1347448320 -0.0416921085 0.0486698199 0.0000000000
## 172 0.0000000000 0.0000000000 0.0026613783 0.0000000000
## 173 -0.0409992694 0.0626302520 0.0000000000 0.0000000000
## 174 0.0105605068 -0.0721536415 0.0678613177 0.0000000000
## 175 0.0226605130 -0.0013051343 0.0000000000 -0.0217081964
## 176 0.0000000000 -0.0063587167 0.0607182623 0.0000000000
## 177 0.0000000000 -0.0591071217 0.0591792106 0.0000000000
## 178 -0.1141130109 -0.0109924614 0.0000000000 -0.0404127019

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## 179	0.0000000000	0.0543035919	0.0000000000	-0.1354216919
## 180	0.0896136706	0.0149517625	0.0000000000	0.0000000000
## 181	0.0314161060	0.0126474221	-0.0244972455	0.0231734130
## 182	0.0000000000	0.0030091037	-0.0510693086	-0.0334571279
## 183	0.0000000000	0.0000000000	0.0000000000	0.0587783080
## 184	0.0318069321	0.0000000000	0.0000000000	0.0000000000
## 185	0.0000000000	0.0033974525	0.0795687014	0.0000000000
## 186	0.0707648394	0.0799315575	0.0871733483	0.0000000000
## 187	0.0000000000	-0.1100064929	0.0000000000	0.0004763262
## 188	0.0000000000	-0.0053595334	0.0000000000	0.1825867437
## 189	0.0000000000	0.0488108662	0.0039775495	0.0019966321
## 190	0.0000000000	-0.0413685191	0.0000000000	0.1383432854
## 191	0.0974945551	0.0000000000	0.0000000000	0.0000000000
## 192	0.0000000000	0.0474834700	0.0000000000	0.0000000000
## 193	0.0000000000	0.0000000000	-0.0266949095	0.0000000000
## 194	-0.1073489129	-0.0732524846	0.0000000000	0.0000000000
## 195	0.0000000000	-0.0716917489	0.0000000000	-0.0616259114
## 196	-0.0589584380	0.0000000000	-0.0180723128	0.0000000000
## 197	0.1074310893	-0.0254107457	-0.0006304841	0.0000000000
## 198	0.0541129597	0.0000000000	0.0000000000	0.0132808787
## 199	-0.1011799817	0.0000000000	0.1078182873	0.0144072838
## 200	0.0000000000	0.0000000000	-0.0171317421	0.0213367926
## 201	0.0000000000	-0.0251886299	0.0000000000	-0.0582879882
## 202	-0.0651960869	0.0000000000	-0.0595091799	0.0341180453
## 203	0.0720454434	0.0674158109	0.0000000000	0.0000000000
## 204	0.1087801289	0.0000000000	0.0000000000	0.0000000000
## 205	0.0000000000	0.0071039943	0.0000000000	0.0000000000
## 206	-0.0438191365	0.0171156271	0.0000000000	0.0000000000
## 207	0.0106992167	-0.0257929660	0.0000000000	0.0000000000
## 208	0.0000000000	0.1417365190	0.1003726064	0.0000000000
## 209	-0.0776122970	0.0000000000	0.0471131123	0.0000000000
## 210	0.0073237409	0.0003374673	-0.0162295827	0.0000000000
## 211	0.0958478702	0.0000000000	0.0784625056	-0.0247944425
## 212	-0.0661295802	0.1251513707	-0.0552378443	-0.0079213396
## 213	-0.0981832799	0.1438265683	0.0000000000	0.0230095233
## 214	0.0337592655	0.0000000000	-0.0101381860	0.0000000000
## 215	0.0000000000	0.0495302606	0.0000000000	0.0000000000
## 216	0.1455062980	0.0000000000	0.0000000000	-0.0201628445
## 217	0.0043752944	0.0141692699	0.0443402278	-0.0381068654
## 218	0.0552832375	0.0000000000	0.0213277084	0.0145790135
## 219	0.0000000000	0.0101096476	0.0944788463	0.0000000000
## 220	0.0000000000	0.0000000000	0.0000000000	0.0152382914
## 221	0.0000000000	0.1662605392	0.0000000000	-0.0406176028
## 222	0.0000000000	0.0000000000	-0.0783080546	-0.0210987616
## 223	0.0305660911	0.0000000000	-0.0642032451	-0.0254772543
## 224	0.0000000000	0.0000000000	0.0000000000	0.0000000000
## 225	0.0000000000	0.0000000000	-0.0741958455	0.0671027370
## 226	0.0000000000	-0.0039552228	-0.0003927629	0.0007472004
## 227	-0.1122107360	-0.0090744919	-0.0370899929	0.0000000000
## 228	-0.0048291769	0.0180679808	0.0000000000	0.0000000000
## 229	0.1693076501	0.0000000000	0.0000000000	-0.0191341252
## 230	-0.0722089092	0.0000000000	0.0297813963	-0.1127421641
## 231	0.0000000000	0.0209886535	0.0000000000	0.0000000000
## 232	0.0000000000	0.0686611343	0.0000000000	0.0315677039

## 233	0.0000000000	0.0000000000	0.1019151540	0.0000000000
## 234	0.0000000000	0.0000000000	0.0000000000	0.0000000000
## 235	0.0000000000	0.0000000000	-0.0075351434	0.0000000000
## 236	0.0689700347	0.0000000000	0.0000000000	0.0000000000
## 237	0.0000000000	-0.0179473677	0.0495431048	-0.0038737095
## 238	0.0127979342	0.0369038746	0.0000000000	-0.0839724284
## 239	0.0067148260	-0.0167144824	0.0000000000	0.0000000000
## 240	-0.0722904457	0.0000000000	-0.0632522026	0.0639171845
## 241	0.0000000000	0.0273080120	0.0000000000	0.0000000000
## 242	-0.0063978678	0.0767051182	0.0000000000	0.0000000000
## 243	0.0092065391	0.0000000000	-0.0293887093	0.0000000000
## 244	0.0000000000	0.0000000000	-0.0818010897	0.1052744714
## 245	0.0000000000	-0.0136550129	0.0000000000	0.0000000000
## 246	0.0000000000	-0.0422623866	0.1780061293	-0.0421324606
## 247	0.0000000000	0.0027305452	0.1257819131	0.0000000000
## 248	0.0156814200	0.0000000000	0.0000000000	0.0000000000
## 249	0.0000000000	-0.0563008658	-0.1296923749	0.0000000000
## 250	0.0000000000	-0.0412479944	-0.0771202887	-0.0459853946
## 251	0.0000000000	0.0000000000	0.0049174631	0.0000000000
## 252	0.0000000000	0.0287395135	0.0000000000	0.0534978796
## 253	0.0000000000	-0.0222201128	-0.0741842242	-0.0947921695
## 254	-0.0021494944	0.0000000000	0.0000000000	0.0000000000
## 255	0.0000000000	-0.0923663896	0.0565391175	0.0000000000
## 256	0.0393888898	0.0969436893	0.0881274521	0.0000000000
## 257	-0.0381097443	0.0000000000	0.0616282394	0.0000000000
## 258	0.0585206826	0.0000000000	0.0000000000	0.0000000000
## 259	0.0389625215	0.1081182125	0.0673389064	0.0000000000
## 260	-0.0665821322	0.1163292818	0.0299717595	0.0000000000
## 261	0.0089181153	0.0561426802	0.0000000000	0.0000000000
## 262	0.0000000000	0.0000000000	0.0000000000	-0.0056047281
## 263	0.0000000000	0.0000000000	0.0043233770	0.0000000000
## 264	0.0001476204	0.0448892771	-0.0407607101	-0.0100030459
## 265	-0.0033800247	-0.0334849986	-0.0270969891	0.0271813219
## 266	0.0094625467	0.0999012573	0.0000000000	0.1416230171
## 267	0.0840049264	0.0520647184	0.0000000000	0.0000000000
## 268	-0.0310001885	-0.0551925062	0.0605156001	0.0089213764
## 269	-0.0349241953	0.0000000000	-0.0525899422	0.0000000000
## 270	0.0000000000	-0.0168173718	-0.0207137974	0.0000000000
## 271	0.0000000000	0.0000000000	0.0000000000	0.1003376412
## 272	-0.0208883824	0.0000000000	-0.0716829719	0.0000000000
## 273	0.0852149275	0.0000000000	0.0000000000	0.1482718558
## 274	-0.0278294302	0.0000000000	0.0000000000	0.0000000000
## 275	0.0000000000	-0.0765682115	0.0182441444	0.0225158375
## 276	0.0000000000	0.0000000000	0.0189149386	0.0000000000
## 277	-0.0273674359	0.0000000000	0.0000000000	-0.0813397718
## 278	-0.0110380482	0.0000000000	0.0580977901	0.0000000000
## 279	0.0000000000	0.0000000000	0.0000000000	0.0000000000
## 280	0.0000000000	0.0000000000	-0.0383058944	0.0317442501
## 281	0.0729969541	0.0742659586	0.0000000000	0.0000000000
## 282	-0.0079606255	0.0000000000	-0.1207366243	0.0000000000
## 283	0.0200992241	0.0000000000	0.0176826680	0.0000000000
## 284	-0.0102460842	0.0000000000	0.0000000000	-0.0910885514
## 285	-0.0674477680	0.0000000000	0.0000000000	0.0000000000
## 286	0.0000000000	0.0000000000	0.0000000000	0.0220178890

```

## 287 0.0827217431 -0.0095529693 0.0202717154 0.1238453373
## 288 0.0000000000 -0.0456560980 -0.0549364134 0.0000000000
## 289 -0.0170035800 0.0000000000 -0.0663118289 0.0000000000
## 290 -0.0040380384 0.0410774940 -0.0171914610 -0.0280113562
## 291 0.0000000000 -0.0564613277 0.0000000000 -0.1171548904
## 292 0.0000000000 0.0665641167 0.0000000000 -0.0322390666
## 293 0.0000000000 0.0000000000 0.0000000000 0.0000000000
## 294 0.0000000000 -0.0657197307 0.0000000000 -0.0092019444
## 295 0.0000000000 0.0000000000 -0.0970668908 0.0285719570
## 296 0.0836712394 -0.1058830700 0.0000000000 -0.0547805933
## 297 -0.0166259116 0.0000000000 -0.0296510479 0.0377681128
## 298 0.0000000000 0.0577603115 0.0000000000 0.0256412071
## 299 0.0582653952 -0.0168144488 0.0000000000 0.0446463784
## 300 0.0000000000 -0.0572393517 -0.0330534018 -0.0557925766
## 301 -0.0848148703 0.0954216039 0.0666677746 0.0378628816
## 302 0.0000000000 0.0000000000 0.0000000000 0.0000000000
## 303 0.0000000000 0.0125388742 0.1191470378 0.0000000000
## 304 0.0000000000 0.0040360869 0.0000000000 0.0236264942
## 305 0.0276960262 0.0000000000 -0.0107291968 0.0491515747
## 306 0.0000000000 0.0000000000 0.0000000000 -0.0426874892
## 307 0.0000000000 0.0000000000 0.0000000000 -0.0002515643
## 308 0.0228534604 0.0272201769 0.0000000000 -0.1311699012
## 309 -0.0344118440 -0.0706663860 0.0612307841 0.0000000000
## 310 0.0000000000 0.0000000000 0.0791513115 0.0000000000
## 311 0.0685452311 0.0000000000 0.0000000000 -0.0955825118
## 312 0.0000000000 -0.0145132948 0.0000000000 0.0000000000
## 313 0.0000000000 -0.1097232867 0.1759005518 -0.0263208194
## 314 0.0000000000 0.0000000000 0.0003304401 -0.0337472959
## 315 -0.0102612272 0.0000000000 0.0985380633 -0.0080171981
## 316 0.0000000000 0.0638049813 0.0000000000 0.0568643939
## 317 0.0474294325 0.0639391613 0.1044548656 0.0000000000
## 318 -0.0357052681 0.0102802289 0.1685499472 0.0000000000
## 319 0.0198358156 0.0149144622 0.0000000000 0.0000000000
## 320 0.0000000000 -0.0213815063 0.0340340329 0.0000000000
## 321 0.0169044225 0.0000000000 0.0000000000 -0.1179187741
## 322 0.1052700317 0.0000000000 -0.0325500292 0.0000000000
## 323 0.0000000000 -0.0778768065 0.0000000000 0.0000000000
## 324 0.0000000000 0.0049034641 0.0000000000 0.0000000000
## 325 -0.0170219958 0.0000000000 0.0000000000 0.0000000000
## 326 0.0000000000 0.0426052995 0.0000000000 0.0177208969
## 327 0.0209954985 0.0779554647 0.0000000000 -0.0184898720
## 328 0.0000000000 0.0000000000 -0.0269173345 0.0000000000
## 329 0.0000000000 0.0000000000 0.0000000000 -0.0264424009
## 330 0.0000000000 -0.0021324177 -0.0140275790 -0.0029356218
## 331 0.0000000000 0.0000000000 0.0563327274 0.0000000000
## 332 0.0000000000 0.0000000000 0.0287483094 0.0000000000
## 333 0.0108112386 0.0000000000 -0.1223330224 -0.0304884537
## 334 0.0166335195 -0.0038265951 0.1083776052 0.0000000000
## 335 -0.0085535341 0.0543465576 0.0633828314 -0.0440409552
## 336 -0.0208582313 -0.0093532959 0.0000000000 0.0000000000
## 337 0.0000000000 -0.0455462719 0.0000000000 0.0000000000
## 338 0.0000000000 0.1170840809 0.0000000000 0.0000000000
## 339 0.1300552926 0.0531701334 0.0000000000 0.0570373268
## 340 -0.0576307454 0.1089320337 0.0000000000 0.0000000000

```

## 341	0.1358338430	0.0000000000	0.0842892463	-0.0319021663
## 342	0.0000000000	0.0000000000	0.0000000000	0.1321421220
## 343	-0.0443598942	0.0000000000	-0.1551049233	0.0000000000
## 344	0.0000000000	0.0000000000	-0.0056232871	0.0000000000
## 345	0.0000000000	0.2196678586	0.0000000000	0.0000000000
## 346	0.0000000000	0.0490189518	0.0000000000	0.0248733134
## 347	0.0668455044	0.0000000000	0.0000000000	0.0282717993
## 348	0.0000000000	0.0090659457	-0.0189897062	0.0000000000
## 349	0.0201968991	0.0000000000	0.0000000000	0.0000000000
## 350	-0.0270054933	0.0000000000	0.0000000000	-0.0050566588
## 351	0.0000000000	0.0178832063	0.0908976228	0.0000000000
## 352	-0.0667112509	-0.0431929709	0.0000000000	0.0000000000
## 353	0.0000000000	0.0162984966	0.0000000000	0.0000000000
## 354	0.1630189269	-0.0746643273	0.0344440933	-0.0943173954
## 355	0.0000000000	0.0086219954	-0.0512859033	0.0000000000
## 356	0.0000000000	0.0000000000	0.0000000000	0.0000000000
## 357	0.0000000000	0.0000000000	0.0000000000	0.0207573600
## 358	-0.0047004605	0.0000000000	0.0000000000	0.0127793820
## 359	-0.0528416730	-0.1168175855	0.0000000000	0.0000000000
## 360	0.0541927782	-0.0438332909	0.0000000000	0.1121411995
## 361	0.0000000000	0.0000000000	0.0000000000	-0.1029774596
## 362	0.0000000000	0.0000000000	0.0000000000	-0.0542903071
## 363	0.0000000000	0.1113475263	0.0000000000	-0.0382600880
## 364	0.0000000000	0.0342112220	-0.0569970134	0.0000000000
## 365	0.0000000000	0.0000000000	-0.0266849309	-0.1987001830
## 366	0.0000000000	0.1145575295	0.0000000000	-0.0296175472
## 367	-0.0010622919	0.0000000000	0.0000000000	0.0000000000
## 368	0.0234567476	0.0000000000	0.0000000000	-0.1395558517
## 369	0.0324488140	0.0000000000	0.0358517901	-0.1901248495
## 370	-0.1730606689	0.0257961719	0.0000000000	-0.0803446807
## 371	0.0230471911	0.1121214467	0.0000000000	0.0000000000
## 372	0.0655634510	0.0000000000	0.0000000000	0.0000000000
## 373	0.0000000000	0.0000000000	0.0000000000	-0.0627258968
## 374	0.0125768401	0.0000000000	0.0178551868	-0.0398203515
## 375	0.0000000000	0.0000000000	0.0203558461	0.0000000000
## 376	-0.0096835141	0.0352475301	0.0000000000	0.0000000000
## 377	0.0000000000	0.0000000000	0.0325470672	0.0562662737
## 378	0.1073616955	-0.0664131474	0.0220913068	0.0000000000
## 379	-0.1280147038	0.0455695484	0.0000000000	0.0000000000
## 380	0.0000000000	-0.0668523083	0.0981671510	-0.1251906878
## 381	0.0447239863	0.0000000000	-0.0015884625	0.0000000000
## 382	0.0532517028	0.0000000000	0.0467150456	0.0000000000
## 383	-0.0104916463	0.0000000000	0.0000000000	0.0307693223
## 384	0.1454870578	0.0513609358	0.0000000000	0.0000000000
## 385	0.0000000000	0.0000000000	0.0113617817	0.0000000000
## 386	0.0000000000	0.0000000000	-0.0350517286	0.0000000000
## 387	0.0000000000	0.0000000000	-0.0228866765	0.0000000000
## 388	0.0000000000	0.0000000000	0.0274534870	0.0000000000
## 389	0.0721869870	0.0809055228	-0.0672183270	-0.0133532411
## 390	0.0000000000	0.0836430960	0.0000000000	0.0000000000
## 391	0.0000000000	0.0689736564	0.0000000000	0.0000000000
## 392	0.0205973139	0.0873598855	0.0012410966	-0.0361517026
## 393	0.0000000000	0.0000000000	0.1927771513	0.0000000000
## 394	0.1161287672	0.0000000000	0.0000000000	-0.0169038683

```

## 395 0.0000000000 -0.0709625005 0.0620950734 0.0722473544
## 396 0.0980702585 0.0420573740 0.0000000000 0.0395638499
## 397 0.0000000000 -0.0025271334 0.0078688233 0.0000000000
## 398 -0.0244639588 0.0000000000 0.0000000000 0.0000000000
## 399 0.0000000000 -0.0126212878 0.0000000000 -0.0760924672
## 400 -0.0364887428 -0.0156096050 -0.0127665605 0.0000000000
## 401 -0.0027764730 0.0000000000 -0.0305043657 0.0000000000
## 402 0.0000000000 0.0000000000 0.0000000000 -0.0496571675
## 403 0.0052802287 0.0000000000 0.0000000000 -0.0588431003
## 404 0.0000000000 0.0000000000 -0.0428296464 0.0780989738
## 405 0.0000000000 -0.0525409247 0.0827043789 0.0000000000
## 406 0.2015766505 0.0000000000 0.0000000000 0.0429485106
## 407 -0.0542979334 0.0000000000 -0.0054592944 -0.0348739396
## 408 -0.0023352516 0.0840228802 0.0000000000 0.0000000000
## 409 -0.0307519338 0.1045512893 -0.0072347643 0.0000000000
## 410 0.0000000000 0.0000000000 0.0000000000 0.0000000000
## 411 -0.0262427107 0.0000000000 -0.0356541660 0.0000000000
## 412 0.0213038457 0.0222480792 0.0000000000 0.0000000000
## 413 0.0000000000 0.0000000000 -0.1505561303 0.0000000000
## 414 0.1525718140 -0.0015476235 0.0000000000 -0.0266199694
## 415 0.0012320036 0.0000000000 0.0000000000 -0.1575871894
## 416 0.0000000000 0.0000000000 0.0000000000 -0.0044409403
## 417 0.0072952940 -0.0439249167 0.0000000000 -0.0227725694
## 418 -0.0202514311 0.0000000000 0.0000000000 -0.0287001049
## 419 -0.0244796077 -0.0039137543 0.0126277807 0.0446487263
## 420 -0.0032457211 -0.0283440122 0.0000000000 0.0192908008
## 421 -0.1230329389 0.0000000000 0.1172423744 0.0000000000
## 422 0.0000000000 -0.0678255959 0.0221723387 0.0000000000
## 423 0.0000000000 -0.0613888296 -0.0529189680 0.0000000000
## 424 0.0000000000 0.1433730831 0.0000000000 -0.0586527346
## 425 -0.0269828883 -0.1055577517 -0.0778249706 0.0000000000
## 426 0.0137672802 -0.0333914659 0.0000000000 0.0393033230
## 427 0.0456429848 -0.0536262283 0.0000000000 0.0000000000
## 428 -0.0842669088 0.0000000000 0.0003529257 -0.0126087814
## 429 0.0000000000 0.0000000000 -0.0092957465 0.0137901268
## 430 -0.0242088393 0.0000000000 0.0000000000 0.0000000000
## 431 0.0000000000 0.0000000000 0.0000000000 0.0000000000
## 432 0.0504702445 0.0000000000 0.0000000000 0.0000000000
## 433 0.0000000000 0.0635145913 0.0204117487 0.0000000000
## 434 -0.0222913596 -0.0251315105 -0.0329109569 -0.0029265047
## 435 0.0000000000 0.0049572394 0.0000000000 0.0000000000
## 436 0.0000000000 0.0000000000 0.0000000000 0.0309384793
## 437 0.0000000000 0.0000000000 0.0000000000 0.0000000000
## 438 -0.0718344486 0.0000000000 0.0483820959 0.0000000000
## 439 0.0000000000 0.0777318982 -0.0713279849 -0.0465784470
## 440 0.0000000000 0.0087070823 0.0000000000 0.0980922706
## 441 0.0536356035 -0.0054741879 -0.0493212174 -0.0660834007
## 442 0.0000000000 0.0112774689 0.0000000000 0.0000000000
## 443 0.0000000000 0.0000000000 0.0736982113 0.0334746019
## 444 0.0546475651 0.0000000000 0.0000000000 -0.1052668823
## 445 0.0000000000 0.0240314808 0.0000000000 0.0174772052
## 446 0.0025643368 0.0000000000 -0.0672844353 0.0000000000
## 447 -0.0678617201 0.0591010084 0.0087084554 0.0000000000
## 448 0.0000000000 0.0000000000 0.0000000000 0.0000000000

```

```

## 449 -0.0243545289 0.0371101724 0.0000000000 0.0000000000
## 450 0.0061553240 -0.0028377795 -0.0979902126 0.0000000000
## 451 0.0000000000 0.0238626348 0.0000000000 0.0000000000
## 452 0.0000000000 0.0000000000 -0.0352150038 0.0000000000
## 453 0.0011926600 0.0000000000 -0.0647034404 0.0073746206
## 454 -0.0317463087 0.0000000000 0.0000000000 0.0169135450
## 455 0.0000000000 -0.0023887354 0.0412377380 0.0023244401
## 456 -0.0239544820 0.0000000000 0.0000000000 0.0241764940
## 457 -0.0262490590 0.0000000000 0.0782422038 0.0000000000
## 458 0.0000000000 -0.0019447952 -0.0494786613 0.0000000000
## 459 -0.0202264207 -0.0176326195 0.0000000000 0.0000000000
## 460 0.0000000000 0.0000000000 0.1375265972 -0.0016732246
## 461 0.0000000000 -0.0299126628 0.0000000000 -0.0330284970
## 462 -0.0994082566 0.0000000000 0.0000000000 0.0000000000
## 463 0.0000000000 -0.0683146669 0.0247951661 0.0000000000
## 464 -0.0013178841 -0.1345823437 0.0427329718 0.0000000000
## 465 0.0000000000 -0.0063083973 0.0000000000 0.0611232063
## 466 0.0000000000 -0.0063903994 -0.0057537077 0.0076285365
## 467 0.0000000000 0.0405334475 0.0244014814 -0.0363243505
## 468 0.0000000000 0.0000000000 -0.0098409431 0.0000000000
## 469 0.0000000000 0.0000000000 0.0000000000 0.0233759197
## 470 0.0000000000 0.0000000000 0.0000000000 0.0000000000
## 471 0.0210776641 0.0000000000 0.0178663728 0.0000000000
## 472 0.0000000000 0.0000000000 -0.0244208204 0.0000000000
## 473 0.0000000000 -0.0259082584 0.0000000000 0.0000000000
## 474 0.0000000000 0.0000000000 -0.0440491162 0.0135737153
## 475 0.0000000000 0.0063741658 0.0000000000 0.0362088952
## 476 0.0000000000 0.0580268309 0.0000000000 0.1387114536
## 477 0.0055526291 0.0672915504 0.0000000000 0.0000000000
## 478 -0.0353566177 -0.0124225454 -0.0201122668 0.0000000000
## 479 -0.0359951658 0.0000000000 0.0000000000 -0.0033312013
## 480 0.0708014919 -0.0228758144 0.0000000000 0.0620713928
## 481 0.0000000000 0.0000000000 0.0036519503 -0.1243787091
## 482 0.0000000000 0.0000000000 0.0000000000 0.0000000000
## 483 0.0000000000 -0.0302968292 0.0000000000 0.0000000000
## 484 0.0165751695 0.0000000000 0.0550368643 -0.0704078521
## 485 -0.0054324663 -0.0017586242 -0.0736204267 0.0000000000
## 486 -0.0107908868 0.0000000000 0.0000000000 -0.0890918464
## 487 0.0000000000 0.0073633072 0.0461309980 0.0000000000
## 488 -0.0073683477 -0.0119571599 0.0000000000 0.1163765791
## 489 0.0000000000 0.0133562740 -0.0617869616 0.0000000000
## 490 0.0000000000 0.0000000000 0.1081315395 0.0000000000
## 491 0.0000000000 0.0700930558 0.0000000000 0.0000000000
## 492 0.0000000000 0.0888747224 -0.0097836986 0.0000000000
## 493 0.0000000000 0.0000000000 0.0000000000 -0.0984349393
## 494 0.0509400793 0.0000000000 0.0000000000 0.0000000000
## 495 0.0029416117 0.0000000000 0.0000000000 0.0000000000
## 496 0.0000000000 -0.0212836503 0.0000000000 0.0000000000
## 497 0.0438542175 0.0000000000 -0.0458459442 -0.0210482319
## 498 0.0000000000 0.0000000000 0.0000000000 0.0000000000
## 499 0.0000000000 0.0000000000 0.1495287185 0.0197453776
## 500 -0.0543708336 0.0405598044 -0.0705882351 0.0000000000

```

The resulting scree plot looks like this.


```

pr.var <- (apply(fin_sprout$x, 2, sd))^2
pve <- pr.var / sum(pr.var)

par(mfrow=c(1,2))
plot(pve,
     xlab="Sparse PC",
     ylab="Proportion of Variance Explained",
     ylim=c(0,1),
     type="b")
plot(cumsum(pve),
     xlab="Sparse PC",
     ylab="Cumulative Proportion of Variance Explained",
     ylim=c(0,1),
     type="b")

```

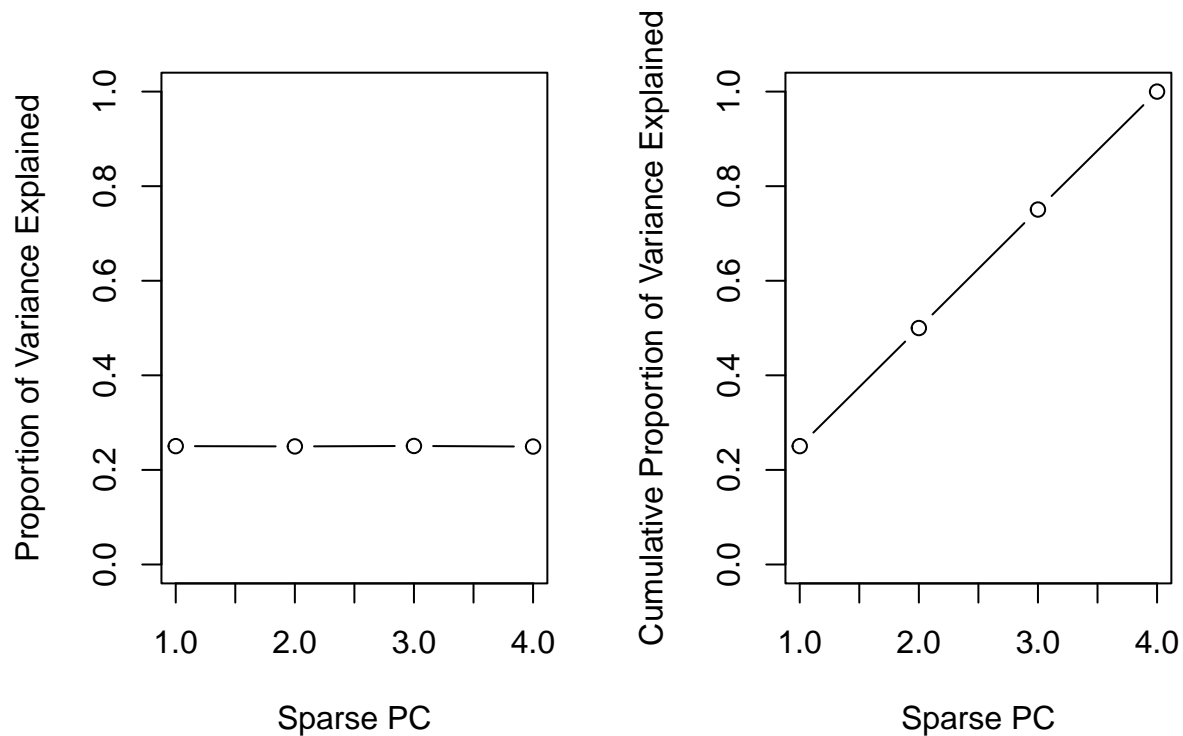


Figure 1: Scree plots for the finite lambda case.

The resulting biplot, with the zero loadings filtered out, can be obtained using the following:

```

y_sub = apply(fin_sprout$loadings, 1, function(row) all(row != 0))
loadings = fin_sprout$loadings[y_sub, ]

par(mfrow=c(1,1))
biplot(fin_sprout$x, loadings, xlab="PC 1", ylab="PC 2")

```

Now consider an alternative situation where we set λ_2 to a large constant Inf . The algorithm changes by

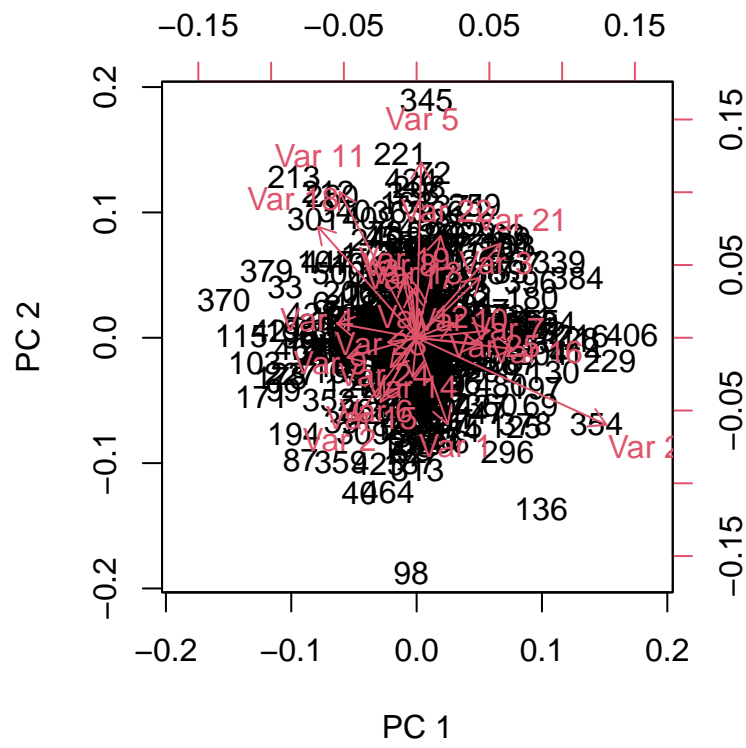


Figure 2: Biplot for the finite lambda case.

directly retracting B without using a while loop to determine an appropriate retraction step size and only iterating A.

```
# infinite lambda2
inf_sprout <- spca.amanpg(z, lambda1, lambda2=Inf, k=4)
print(paste(inf_sprout$iter, "iterations,", inf_sprout$sparsity, "sparsity,", inf_sprout$time))

## [1] "344 iterations, 0.253 sparsity, 1.55713391304016"

# extract loadings
as.data.frame(inf_sprout$loadings)
```

##		V1	V2	V3	V4
## 1		6.127824e-02	0.0070631909	1.486280e-02	0.000000e+00
## 2		0.000000e+00	0.0080496584	0.000000e+00	0.000000e+00
## 3		0.000000e+00	0.0670738819	-7.968807e-02	6.169128e-02
## 4		0.000000e+00	0.0000000000	5.015693e-03	1.115940e-01
## 5		6.741226e-02	-0.0194809115	4.906051e-02	-1.250086e-01
## 6		0.000000e+00	0.0000000000	0.000000e+00	-2.079335e-02
## 7		6.002909e-02	0.0475966617	0.000000e+00	0.000000e+00
## 8		0.000000e+00	0.0428026078	-1.318520e-02	6.997791e-02
## 9		1.563046e-02	0.0448185716	0.000000e+00	0.000000e+00
## 10		2.222916e-02	0.0000000000	-1.389572e-02	0.000000e+00
## 11		6.403859e-02	-0.0026415292	0.000000e+00	-9.414969e-02
## 12		0.000000e+00	-0.0203562130	-4.938019e-02	0.000000e+00
## 13		0.000000e+00	0.0000000000	-3.049031e-03	5.388934e-02
## 14		4.945767e-03	0.0224129566	0.000000e+00	0.000000e+00
## 15		9.125242e-02	-0.0518631502	2.017399e-02	0.000000e+00
## 16		-6.186142e-02	0.0000000000	-8.797532e-02	-2.052906e-02
## 17		0.000000e+00	0.0863750882	3.086105e-02	0.000000e+00
## 18		2.470904e-02	0.0391524004	0.000000e+00	0.000000e+00
## 19		2.233429e-02	0.0000000000	3.985352e-02	-4.554109e-02
## 20		0.000000e+00	0.0000000000	5.811470e-02	0.000000e+00
## 21		-4.576082e-03	0.0131264320	-2.631648e-02	3.411270e-02
## 22		-1.903677e-03	-0.0520673952	-3.704037e-02	-6.931306e-03
## 23		0.000000e+00	-0.0948211209	-2.463041e-02	-2.994516e-02
## 24		0.000000e+00	0.0000000000	7.769288e-02	-2.800795e-02
## 25		1.898158e-03	-0.0084670651	6.716651e-02	0.000000e+00
## 26		6.510909e-03	0.0744041251	-4.286118e-02	0.000000e+00
## 27		5.764436e-03	-0.0247954043	0.000000e+00	0.000000e+00
## 28		-5.017823e-03	-0.0301114493	2.982027e-02	-3.232789e-02
## 29		0.000000e+00	-0.0012436647	-1.804530e-02	4.621222e-02
## 30		2.768365e-02	-0.0226521087	6.386784e-03	5.542478e-02
## 31		0.000000e+00	-0.0403294252	-2.600696e-02	5.534942e-02
## 32		0.000000e+00	0.0000000000	-1.331517e-03	2.417253e-02
## 33		-8.706561e-02	0.0000000000	-2.828764e-02	-3.942486e-02
## 34		0.000000e+00	0.0000000000	-2.078506e-02	3.038090e-03
## 35		-1.636486e-02	-0.0115980646	0.000000e+00	8.186394e-02
## 36		2.835055e-02	0.0072848560	3.833495e-03	0.000000e+00
## 37		2.883254e-02	-0.0106233409	7.649585e-03	2.571223e-02
## 38		3.242133e-02	0.0438177862	2.162214e-02	0.000000e+00
## 39		-1.819249e-02	-0.0933710927	-3.025792e-03	7.101527e-02
## 40		1.893411e-03	-0.1533227145	3.278841e-02	1.370606e-03
## 41		1.236788e-02	0.0000000000	-3.551138e-03	1.972159e-02
## 42		0.000000e+00	0.0000000000	-6.704121e-02	0.000000e+00
## 43		-4.549104e-02	-0.0068878157	1.805753e-03	-2.972418e-02

```

## 44 3.891524e-02 -0.0792358188 -4.535630e-02 4.235401e-02
## 45 -2.254932e-02 0.0000000000 -8.060705e-02 -2.490071e-02
## 46 -4.020261e-02 0.0436014654 3.112477e-02 0.000000e+00
## 47 3.892361e-02 -0.0111764608 4.041702e-04 9.802505e-02
## 48 -1.567122e-02 0.0137158275 8.775471e-02 4.845471e-03
## 49 0.000000e+00 0.0362311377 -1.610933e-02 3.956401e-03
## 50 0.000000e+00 0.0473509640 3.000523e-02 6.750069e-02
## 51 -1.396311e-02 0.0537804339 3.292280e-02 -1.414473e-03
## 52 0.000000e+00 -0.0408439773 1.162657e-02 7.015681e-02
## 53 9.527834e-03 0.0944504706 -2.139467e-02 3.862964e-02
## 54 8.507035e-02 0.0000000000 3.205962e-03 -2.864767e-02
## 55 0.000000e+00 0.0395700182 0.000000e+00 -7.053962e-02
## 56 3.652695e-02 -0.0057069693 1.008887e-01 -5.981486e-04
## 57 0.000000e+00 0.0000000000 7.244357e-02 5.419920e-03
## 58 4.329773e-02 0.0612653504 -2.703132e-02 1.880540e-03
## 59 -4.442711e-02 0.0540557147 -7.208859e-02 9.445618e-03
## 60 4.851106e-02 0.0000000000 -4.440715e-02 -5.516289e-02
## 61 7.302719e-02 0.0420694081 0.000000e+00 -3.160338e-03
## 62 -1.927691e-02 0.0749012926 0.000000e+00 7.136560e-02
## 63 1.832263e-03 0.0932731751 -1.224672e-03 -7.212738e-03
## 64 -1.276269e-01 0.0258872280 2.041718e-02 1.991049e-02
## 65 -5.290611e-02 -0.0432197694 7.475709e-03 0.000000e+00
## 66 3.031291e-02 0.0307996784 -5.326480e-02 -5.636147e-02
## 67 -2.844315e-02 -0.0340046426 -7.811752e-02 6.407804e-04
## 68 1.190470e-02 -0.0586580503 6.308798e-03 3.993037e-02
## 69 1.166365e-01 0.0000000000 0.000000e+00 7.122677e-02
## 70 3.608549e-02 -0.0785843367 2.594645e-02 -8.825608e-02
## 71 -1.229783e-03 -0.0238220834 3.937318e-02 -6.594545e-03
## 72 0.000000e+00 0.1313195007 1.519176e-02 -1.436262e-01
## 73 0.000000e+00 0.0000000000 -2.367684e-02 -4.065756e-02
## 74 -5.721855e-02 -0.0178336671 4.110132e-02 -1.183098e-01
## 75 3.111485e-02 0.0064330746 0.000000e+00 -2.355741e-02
## 76 0.000000e+00 -0.0378885430 0.000000e+00 1.643869e-02
## 77 4.554763e-02 -0.0618384103 -4.862137e-02 6.495786e-02
## 78 -6.204569e-02 0.0320591682 -7.285847e-02 0.000000e+00
## 79 -4.412656e-02 -0.0255232828 0.000000e+00 0.000000e+00
## 80 -1.335963e-03 -0.0191615957 0.000000e+00 0.000000e+00
## 81 -4.510592e-02 0.0000000000 -8.382556e-03 -1.131090e-02
## 82 -2.067350e-02 0.0487654112 -8.346384e-03 0.000000e+00
## 83 4.749986e-02 -0.0273322850 -4.778813e-02 -5.960062e-02
## 84 4.935237e-02 0.0149804795 -5.958850e-02 9.071318e-03
## 85 -3.076355e-02 0.0296142249 0.000000e+00 7.038763e-02
## 86 1.151880e-02 -0.0403287543 0.000000e+00 2.298115e-02
## 87 -6.364883e-02 -0.1340174815 3.239311e-02 0.000000e+00
## 88 0.000000e+00 0.0000000000 2.061987e-02 -2.108730e-02
## 89 3.698303e-02 0.0000000000 -3.002028e-02 -1.349030e-02
## 90 0.000000e+00 -0.0177391402 5.413757e-02 -2.303993e-02
## 91 -8.018985e-03 -0.0607909082 9.247880e-02 5.034588e-02
## 92 4.631814e-03 -0.0887889414 2.781972e-03 -3.365776e-02
## 93 -8.803102e-03 -0.0381089918 8.935545e-02 0.000000e+00
## 94 2.963006e-02 0.0215552103 -1.684149e-02 7.830686e-02
## 95 1.769267e-02 0.0000000000 2.426784e-02 2.069682e-03
## 96 -1.530918e-01 0.0152586132 1.318292e-03 0.000000e+00
## 97 8.973473e-02 0.0044515958 -3.324863e-02 -2.666215e-02

```

```

## 98 0.000000e+00 -0.0739851695 1.266017e-01 9.064072e-02
## 99 -1.120004e-01 -0.0510561693 4.248397e-02 0.000000e+00
## 100 -3.657793e-02 0.0691514241 2.467430e-02 0.000000e+00
## 101 3.989210e-02 -0.0205581913 -6.845507e-02 2.271078e-02
## 102 5.743924e-02 0.0012563091 8.839680e-03 0.000000e+00
## 103 -7.202294e-02 -0.0931271978 -9.593192e-03 -2.982696e-03
## 104 -1.079765e-01 0.0000000000 -7.317866e-02 0.000000e+00
## 105 -3.733355e-02 -0.0281375199 5.142670e-02 1.999815e-03
## 106 0.000000e+00 0.0609436089 0.000000e+00 0.000000e+00
## 107 0.000000e+00 0.0076880704 -4.783381e-02 8.364387e-03
## 108 2.263444e-02 -0.0649224083 1.773135e-02 7.490021e-03
## 109 0.000000e+00 0.0000000000 1.828322e-03 -8.516931e-02
## 110 0.000000e+00 -0.0509329831 -1.362948e-02 -8.605055e-02
## 111 9.302982e-02 -0.0549541264 9.730087e-03 7.454525e-05
## 112 3.480078e-02 -0.0385071875 0.000000e+00 -7.121493e-02
## 113 4.152367e-02 -0.0890868116 -8.816803e-02 -5.337405e-02
## 114 -3.410182e-02 0.0406982145 0.000000e+00 1.724765e-02
## 115 -5.667487e-02 -0.1152345185 -7.675755e-02 -5.237794e-02
## 116 -3.835685e-02 0.0078113241 3.384448e-02 -2.770552e-02
## 117 0.000000e+00 0.0795680500 -2.158641e-02 3.044763e-02
## 118 -2.907658e-02 0.0280412622 -6.091212e-02 0.000000e+00
## 119 3.643718e-02 -0.0213989627 -4.981689e-02 -4.634971e-02
## 120 -4.415968e-02 0.0000000000 -5.805511e-03 -1.276077e-02
## 121 -5.745384e-02 0.0000000000 1.036422e-02 0.000000e+00
## 122 2.393474e-02 -0.0199022038 0.000000e+00 -2.939481e-02
## 123 -1.028664e-02 0.0150151213 3.710800e-02 -8.246282e-03
## 124 1.313140e-01 -0.0327396082 -9.530791e-03 -1.183341e-01
## 125 1.011754e-01 -0.0107645210 7.490682e-02 0.000000e+00
## 126 -5.042984e-04 0.0000000000 -1.476657e-02 -3.719170e-02
## 127 -7.467037e-02 -0.0127585543 7.436351e-02 -7.738008e-03
## 128 2.278731e-02 0.1104947073 4.391677e-02 3.644340e-02
## 129 0.000000e+00 0.0650023717 3.472354e-02 0.000000e+00
## 130 1.184014e-01 0.0000000000 4.617705e-02 -2.377893e-03
## 131 6.149050e-02 0.0000000000 1.857374e-02 -4.704461e-02
## 132 0.000000e+00 0.0210341440 0.000000e+00 0.000000e+00
## 133 -8.013651e-02 0.0000000000 4.136486e-02 -2.745646e-02
## 134 6.594315e-02 0.0000000000 7.624254e-02 -1.224201e-02
## 135 0.000000e+00 0.0070597813 -2.574972e-04 -2.530924e-02
## 136 8.005972e-02 -0.0266416360 1.274795e-01 5.301736e-02
## 137 3.600306e-03 0.0892373678 6.110617e-02 4.188054e-03
## 138 -9.976122e-03 0.0000000000 0.000000e+00 -2.510002e-02
## 139 -2.646733e-02 0.0048136656 0.000000e+00 -9.088851e-02
## 140 -2.840886e-03 -0.0016994119 7.427187e-02 0.000000e+00
## 141 -5.014528e-02 0.0000000000 -2.060613e-02 1.328761e-02
## 142 7.672457e-03 -0.0113803187 -9.514877e-02 -4.523212e-02
## 143 -2.195179e-02 0.0186090703 5.192420e-02 1.338636e-02
## 144 8.366389e-02 0.0122097519 0.000000e+00 8.743206e-03
## 145 -7.406183e-02 -0.0233620062 1.235243e-02 -2.128219e-03
## 146 1.041884e-02 -0.0179838788 3.661293e-02 0.000000e+00
## 147 1.871361e-02 0.0143869583 0.000000e+00 1.082771e-01
## 148 9.050013e-02 -0.0930812200 -5.339161e-02 0.000000e+00
## 149 0.000000e+00 0.0000000000 4.167558e-02 -5.519775e-02
## 150 0.000000e+00 0.0127687280 1.143561e-02 -7.355348e-04
## 151 -2.519214e-02 0.0000000000 0.000000e+00 -3.698978e-02

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## 152 -7.071015e-03 -0.0496897013 -9.205899e-02 0.000000e+00
## 153 -3.538613e-03 -0.0318414840 0.000000e+00 0.000000e+00
## 154 -4.393237e-02 -0.0162571148 -1.357399e-03 -3.542511e-02
## 155 6.762792e-02 0.0709763809 0.000000e+00 4.116519e-02
## 156 5.091810e-02 0.0275201075 0.000000e+00 0.000000e+00
## 157 -9.221524e-03 0.0000000000 0.000000e+00 4.977262e-02
## 158 5.058583e-03 0.0000000000 -1.774249e-02 -2.714479e-02
## 159 0.000000e+00 0.0214546862 -1.879975e-02 -4.385251e-02
## 160 -6.185235e-02 0.0000000000 8.216168e-03 0.000000e+00
## 161 0.000000e+00 0.0000000000 -5.097509e-02 -5.624635e-03
## 162 1.118616e-01 0.0000000000 -9.221716e-02 8.195353e-02
## 163 0.000000e+00 0.0349286114 -3.773538e-02 -1.029996e-01
## 164 5.546809e-02 0.0082577688 -5.658009e-02 -7.743687e-02
## 165 -2.072909e-02 -0.0039877211 0.000000e+00 -2.326395e-02
## 166 -1.348473e-02 -0.0444614667 0.000000e+00 -2.697659e-02
## 167 -1.382273e-02 0.0000000000 0.000000e+00 7.858587e-02
## 168 0.000000e+00 -0.0170271078 -3.243442e-02 3.203390e-02
## 169 -5.746633e-02 -0.0327928230 7.296966e-02 -2.212122e-02
## 170 -2.401299e-02 0.0000000000 2.990021e-02 -2.818523e-02
## 171 -1.227360e-01 -0.0411691069 0.000000e+00 0.000000e+00
## 172 -3.037901e-02 0.0278186345 3.041735e-03 0.000000e+00
## 173 -6.289503e-02 0.0032829368 0.000000e+00 -5.570347e-02
## 174 0.000000e+00 0.0000000000 1.183792e-01 4.687512e-02
## 175 4.119610e-02 -0.0023933744 3.502521e-02 -1.489786e-02
## 176 -1.753460e-02 0.0000000000 6.401661e-02 0.000000e+00
## 177 1.649189e-03 0.0000000000 1.175264e-01 0.000000e+00
## 178 -2.845848e-02 -0.0989710682 0.000000e+00 -8.061526e-02
## 179 0.000000e+00 0.0296024785 0.000000e+00 -1.381247e-01
## 180 5.460737e-02 0.0885567211 2.671151e-02 0.000000e+00
## 181 4.157109e-02 0.0242419584 -5.612929e-02 6.483328e-03
## 182 2.475722e-02 0.0000000000 -2.726287e-02 -6.493030e-02
## 183 -3.184330e-02 0.0000000000 -5.636633e-02 4.978570e-02
## 184 0.000000e+00 0.0676888322 0.000000e+00 1.694090e-03
## 185 -6.669320e-02 0.0395514786 1.132867e-02 0.000000e+00
## 186 -1.719901e-03 0.1505837650 0.000000e+00 1.522989e-03
## 187 0.000000e+00 -0.0769555125 1.679738e-02 5.441358e-02
## 188 0.000000e+00 0.0065919032 0.000000e+00 1.428767e-01
## 189 -2.568226e-02 0.0515687414 0.000000e+00 0.000000e+00
## 190 -1.327487e-02 -0.0176489233 0.000000e+00 1.336050e-01
## 191 4.947232e-02 0.0477068496 2.689662e-05 1.030546e-03
## 192 -2.873819e-02 0.0411797257 -4.082473e-02 0.000000e+00
## 193 2.721045e-02 0.0000000000 -1.112631e-02 0.000000e+00
## 194 -6.796553e-02 -0.1052492374 0.000000e+00 2.621425e-02
## 195 0.000000e+00 -0.0603368387 4.254392e-02 0.000000e+00
## 196 -3.120868e-02 -0.0475248888 -6.139136e-02 -2.957803e-03
## 197 1.044453e-01 0.0000000000 3.508068e-02 2.136075e-02
## 198 5.619384e-02 0.0000000000 0.000000e+00 2.723280e-02
## 199 -1.468254e-01 0.0000000000 2.553370e-02 0.000000e+00
## 200 0.000000e+00 0.0000000000 -5.920364e-02 2.510800e-03
## 201 2.399979e-02 -0.0326266126 3.828996e-02 -4.667888e-02
## 202 0.000000e+00 -0.0614623247 -5.626899e-02 2.363002e-02
## 203 1.629405e-02 0.0754018018 -2.982711e-02 0.000000e+00
## 204 8.991451e-02 0.0352045144 5.434568e-02 1.181485e-02
## 205 -8.907809e-03 0.0000000000 -4.172264e-02 0.000000e+00

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## 206 -3.486397e-02 0.0000000000 0.000000e+00 -3.335468e-02
## 207 1.447423e-02 0.0000000000 5.514573e-02 0.000000e+00
## 208 -6.512082e-02 0.1180202592 0.000000e+00 -5.650307e-02
## 209 -7.710826e-02 0.0000000000 1.302925e-02 0.000000e+00
## 210 3.870121e-02 0.0000000000 0.000000e+00 -1.898417e-03
## 211 1.925332e-02 0.1109974147 6.911395e-02 0.000000e+00
## 212 -3.494764e-02 0.0046331610 -1.274597e-01 -8.478512e-02
## 213 -1.026625e-01 0.0548892673 -8.042748e-02 -1.701490e-02
## 214 5.952746e-02 0.0030279245 0.000000e+00 6.730710e-03
## 215 0.000000e+00 0.0288377731 -2.209758e-02 -1.824373e-02
## 216 8.318710e-02 0.0641538777 0.000000e+00 0.000000e+00
## 217 0.000000e+00 0.0694575318 1.585888e-02 -3.418065e-02
## 218 0.000000e+00 0.0396782385 1.103297e-02 5.613390e-02
## 219 -7.040406e-02 0.0350867308 4.302869e-02 -9.582223e-03
## 220 -3.985577e-02 0.0000000000 0.000000e+00 2.287101e-02
## 221 -1.326944e-02 0.0748988044 -7.565656e-02 -1.141255e-01
## 222 3.024603e-02 -0.0560717285 -2.359650e-02 -4.422825e-02
## 223 9.098727e-02 0.0000000000 -2.695961e-02 -2.729848e-02
## 224 0.000000e+00 -0.0336466413 0.000000e+00 0.000000e+00
## 225 3.752109e-02 -0.0238571393 -3.499573e-02 7.383274e-02
## 226 2.320683e-02 -0.0196496309 0.000000e+00 4.872315e-02
## 227 -2.382084e-02 -0.1018536781 -5.952882e-02 0.000000e+00
## 228 -1.924036e-02 0.0122932764 -4.179728e-02 0.000000e+00
## 229 1.401679e-01 0.0298794077 5.284613e-02 0.000000e+00
## 230 -6.442765e-02 -0.0316323690 5.361668e-02 -5.751402e-02
## 231 -7.006631e-03 0.0258039547 -4.998561e-02 -1.150469e-02
## 232 -1.342684e-02 0.0605638931 -4.149579e-02 0.000000e+00
## 233 -2.185578e-03 0.0577013156 8.464179e-02 -1.376909e-02
## 234 6.148832e-03 0.0000000000 -2.040777e-02 2.204848e-02
## 235 0.000000e+00 -0.0139797896 -1.519213e-02 6.611285e-03
## 236 6.555413e-02 0.0473616380 1.237753e-02 0.000000e+00
## 237 -7.599617e-04 0.0000000000 7.811809e-02 0.000000e+00
## 238 0.000000e+00 0.0381060272 1.857441e-02 -6.126268e-02
## 239 2.355220e-02 0.0000000000 3.757138e-02 0.000000e+00
## 240 -1.919366e-02 -0.0167367963 -8.027192e-02 1.227588e-02
## 241 -7.434184e-03 0.0111809315 -1.059733e-02 -2.774764e-02
## 242 -1.036213e-02 0.0062343066 -5.638050e-02 -5.048396e-02
## 243 4.581316e-02 0.0156038111 -3.371186e-02 -1.529316e-02
## 244 1.513830e-02 -0.0204560053 -8.035132e-02 1.028890e-01
## 245 -6.146021e-03 -0.0055410569 1.486414e-02 0.000000e+00
## 246 -7.644922e-02 0.0000000000 1.389196e-01 -2.254619e-03
## 247 -8.007702e-02 0.0751500937 1.624158e-02 1.827093e-03
## 248 4.043777e-03 0.0495497974 3.047603e-04 2.719989e-02
## 249 7.972973e-02 -0.0797019259 -2.949354e-02 2.778237e-02
## 250 6.939004e-02 -0.0797873006 1.263687e-02 -3.820839e-02
## 251 0.000000e+00 0.0000000000 2.849230e-02 5.694932e-02
## 252 0.000000e+00 0.0588304857 -1.181496e-02 3.252251e-02
## 253 6.696607e-02 -0.0648867526 0.000000e+00 -3.693590e-02
## 254 -4.940932e-02 0.0013835560 0.000000e+00 0.000000e+00
## 255 0.000000e+00 -0.0155246929 9.464772e-02 0.000000e+00
## 256 -8.484726e-03 0.1577357236 1.745125e-02 -2.041599e-02
## 257 -8.552323e-02 0.0000000000 0.000000e+00 0.000000e+00
## 258 6.173473e-02 0.0389111608 1.495547e-02 0.000000e+00
## 259 -5.967627e-04 0.1233946356 1.789903e-03 -1.909011e-02

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## 260 -9.386059e-02 0.0289462454 -9.967008e-03 -4.402114e-02
## 261 4.629758e-03 0.0521312608 0.000000e+00 -2.861051e-02
## 262 0.000000e+00 0.0000000000 -5.186016e-03 -5.044687e-02
## 263 0.000000e+00 0.0000000000 2.867070e-02 0.000000e+00
## 264 4.900506e-02 0.0123579541 -6.341235e-02 -3.715119e-02
## 265 0.000000e+00 -0.0643455611 -2.368605e-02 1.707711e-02
## 266 -4.474322e-03 0.0918134331 -8.365668e-02 8.729368e-02
## 267 5.142347e-02 0.1000553257 0.000000e+00 0.000000e+00
## 268 -4.497611e-02 -0.0251397943 7.516065e-02 1.628351e-02
## 269 -2.664914e-03 -0.0588218843 -2.918662e-02 0.000000e+00
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## 271 -4.639124e-03 0.0000000000 -9.897537e-03 6.578971e-02
## 272 0.000000e+00 -0.0394025009 -7.004953e-02 1.691085e-02
## 273 1.847578e-02 0.0629041799 0.000000e+00 1.262000e-01
## 274 -3.656662e-02 -0.0080298339 0.000000e+00 -2.000757e-02
## 275 0.000000e+00 -0.0344952327 5.507121e-02 3.809828e-02
## 276 -2.225763e-02 0.0000000000 1.856927e-02 4.546372e-02
## 277 -1.231992e-02 0.0000000000 0.000000e+00 -1.151188e-01
## 278 -5.071814e-02 0.0000000000 4.476541e-02 -2.227751e-02
## 279 4.127898e-02 0.0000000000 0.000000e+00 0.000000e+00
## 280 0.000000e+00 0.0000000000 -9.074426e-02 4.659169e-02
## 281 2.081386e-02 0.1015273439 -2.097885e-02 -8.101902e-04
## 282 0.000000e+00 -0.0363759194 -1.343677e-01 0.000000e+00
## 283 3.450635e-02 0.0222185836 7.443723e-02 -2.389087e-02
## 284 -5.312395e-04 -0.0079673279 2.069256e-04 -1.034244e-01
## 285 -5.624917e-02 -0.0259967889 0.000000e+00 0.000000e+00
## 286 -5.523806e-02 0.0151789161 -3.256174e-02 3.679621e-02
## 287 1.674553e-02 0.0419284779 1.738959e-02 1.200563e-01
## 288 3.693834e-02 -0.0731432585 0.000000e+00 0.000000e+00
## 289 2.650183e-03 -0.0580711330 -3.273581e-02 -2.976651e-02
## 290 0.000000e+00 0.0000000000 -6.250533e-02 -6.127966e-02
## 291 0.000000e+00 -0.0707231998 7.751988e-02 -5.691004e-02
## 292 -2.185177e-02 0.0384590178 -2.989796e-02 -8.106173e-02
## 293 2.350428e-02 -0.0076735543 -1.883382e-03 0.000000e+00
## 294 1.995721e-02 -0.0344071317 5.834766e-02 0.000000e+00
## 295 6.231673e-02 -0.0130187394 -4.475389e-02 0.000000e+00
## 296 1.156268e-01 -0.0291333873 5.549510e-02 0.000000e+00
## 297 -4.610837e-03 -0.0317873569 -5.797065e-02 2.209831e-02
## 298 -8.982546e-03 0.0833814720 -3.869870e-02 0.000000e+00
## 299 1.834911e-02 0.0272955433 0.000000e+00 1.044803e-01
## 300 7.737435e-02 -0.0659702158 1.593623e-02 -1.836524e-02
## 301 -1.348799e-01 0.0539965678 -3.377974e-02 0.000000e+00
## 302 0.000000e+00 0.0031710923 8.371042e-03 3.206071e-03
## 303 -7.453987e-02 0.0648119616 3.618761e-02 0.000000e+00
## 304 0.000000e+00 0.0271079331 -2.031435e-02 3.985091e-02
## 305 4.075766e-02 0.0000000000 -1.112054e-02 6.744755e-02
## 306 0.000000e+00 0.0172571103 2.929802e-03 -3.483579e-02
## 307 0.000000e+00 0.0160622732 5.194635e-03 -2.202756e-02
## 308 4.382893e-02 0.0128453971 4.823975e-02 -1.131565e-01
## 309 -4.539957e-02 -0.0431199712 6.227656e-02 3.709815e-03
## 310 -8.064267e-02 0.0122347499 1.015086e-02 1.140729e-02
## 311 7.410699e-02 0.0284736287 3.189952e-02 -6.432847e-02
## 312 1.882719e-02 0.0053608320 1.239399e-02 0.000000e+00
## 313 -3.575429e-02 0.0000000000 1.972824e-01 0.000000e+00

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## 314 0.000000e+00 0.0000000000 3.149059e-02 -4.543582e-02
## 315 -5.299887e-02 0.0000000000 7.878354e-02 -4.861985e-02
## 316 0.000000e+00 0.0356793221 -1.698176e-02 0.000000e+00
## 317 -1.029329e-02 0.1307299855 3.948824e-02 0.000000e+00
## 318 -1.393191e-01 0.0701623761 4.433513e-02 -1.858273e-02
## 319 2.398181e-02 0.0422946505 -1.912199e-03 0.000000e+00
## 320 0.000000e+00 0.0000000000 7.066729e-02 2.929287e-02
## 321 2.362723e-02 0.0247127367 4.967235e-03 -7.889229e-02
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## 323 3.301849e-02 -0.0555089124 7.411442e-03 0.000000e+00
## 324 0.000000e+00 0.0074268890 0.000000e+00 0.000000e+00
## 325 -2.574712e-02 0.0000000000 -3.479000e-02 1.336039e-03
## 326 -3.747684e-02 0.0127915573 -3.868884e-02 0.000000e+00
## 327 1.796885e-02 0.0653215896 0.000000e+00 -7.577353e-02
## 328 1.193042e-02 -0.0061894427 -3.786259e-02 1.152462e-02
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## 330 4.219300e-02 -0.0362182329 0.000000e+00 -1.102619e-03
## 331 -1.093252e-02 0.0198028605 4.557340e-02 0.000000e+00
## 332 -3.076906e-02 0.0108577413 0.000000e+00 -1.623650e-02
## 333 7.817723e-02 -0.0249689406 -4.469122e-02 -3.306783e-02
## 334 0.000000e+00 0.0243142413 7.653803e-02 1.937837e-03
## 335 -5.092746e-02 0.0165228327 2.613605e-02 -9.080735e-02
## 336 -2.876553e-02 -0.0396001054 1.818391e-02 0.000000e+00
## 337 0.000000e+00 -0.0279140989 5.446966e-02 1.087922e-02
## 338 -1.114940e-02 0.0437146237 -4.791958e-02 -5.303260e-02
## 339 6.670783e-02 0.1011638077 -1.543207e-02 5.504530e-02
## 340 -7.089903e-02 0.0268161794 -5.901709e-02 -3.660743e-02
## 341 3.929521e-02 0.0869825275 1.329152e-01 0.000000e+00
## 342 -3.362388e-03 0.0000000000 -6.329004e-02 8.587612e-02
## 343 0.000000e+00 -0.0586276590 -1.286094e-01 0.000000e+00
## 344 0.000000e+00 -0.0330884996 -4.028702e-03 -1.700955e-02
## 345 0.000000e+00 0.1161779311 -1.092452e-01 -5.059218e-02
## 346 0.000000e+00 0.0541532039 -5.371995e-02 1.072432e-02
## 347 2.403029e-02 0.0671194920 -3.741638e-02 4.022174e-02
## 348 5.029893e-04 0.0035934292 -5.604265e-02 0.000000e+00
## 349 1.429149e-02 0.0165394624 0.000000e+00 5.266632e-03
## 350 -1.665232e-02 0.0000000000 5.888784e-03 -4.083921e-02
## 351 -5.615255e-02 0.0705293538 0.000000e+00 0.000000e+00
## 352 -3.334062e-02 -0.0602847624 0.000000e+00 1.600965e-02
## 353 0.000000e+00 0.0350225731 -3.218011e-02 0.000000e+00
## 354 1.022884e-01 0.0163861483 1.440545e-01 -8.561678e-03
## 355 3.518310e-02 0.0000000000 -2.988040e-02 -4.932855e-02
## 356 4.308492e-03 0.0000000000 8.331500e-03 4.943075e-03
## 357 -1.526896e-02 0.0008789118 -2.538194e-02 2.611345e-02
## 358 -3.558925e-02 -0.0220402025 -3.756508e-04 3.169359e-02
## 359 0.000000e+00 -0.0944563351 3.488676e-02 1.082226e-02
## 360 3.118847e-02 0.0000000000 0.000000e+00 1.198545e-01
## 361 0.000000e+00 0.0000000000 8.968857e-03 -8.738230e-02
## 362 0.000000e+00 -0.0154943525 0.000000e+00 -5.708458e-02
## 363 -1.355017e-02 0.0626304026 -1.797560e-02 -7.611609e-02
## 364 0.000000e+00 0.0000000000 -1.086310e-01 0.000000e+00
## 365 2.710324e-02 -0.0719874627 0.000000e+00 -9.230868e-02
## 366 0.000000e+00 0.0942864948 -5.263259e-02 -6.007474e-02
## 367 -2.179033e-02 -0.0102248928 -1.782518e-02 0.000000e+00

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## 368 2.577674e-02 0.0012650872 0.000000e+00 -5.729287e-02
## 369 4.979413e-02 0.0000000000 1.112259e-01 -1.169279e-01
## 370 -7.018021e-02 -0.0394775470 -1.113903e-02 -1.692453e-01
## 371 4.095211e-02 0.0883761042 -1.284936e-02 -3.792293e-02
## 372 6.197603e-02 0.0404052795 0.000000e+00 0.000000e+00
## 373 0.000000e+00 0.0000000000 1.304421e-02 -6.961705e-02
## 374 0.000000e+00 0.0137931028 2.170990e-02 -3.414261e-03
## 375 -2.170638e-02 0.0000000000 4.861020e-03 0.000000e+00
## 376 -3.620488e-02 0.0000000000 0.000000e+00 -3.640473e-02
## 377 -2.436829e-02 0.0512989172 -8.267996e-05 9.816912e-02
## 378 5.177099e-02 0.0406913465 7.710117e-02 3.490989e-02
## 379 -7.639485e-02 -0.0161985196 -7.504244e-02 -2.499660e-02
## 380 0.000000e+00 -0.0018849187 1.428862e-01 -6.633471e-02
## 381 5.711800e-02 0.0000000000 0.000000e+00 3.876108e-02
## 382 0.000000e+00 0.0557684769 5.064726e-02 2.702419e-02
## 383 -7.284361e-02 0.0000000000 -2.611418e-02 5.530432e-02
## 384 8.451248e-02 0.1145539653 0.000000e+00 1.262614e-03
## 385 0.000000e+00 0.0000000000 3.895389e-02 0.000000e+00
## 386 0.000000e+00 -0.0126727661 -2.780268e-02 -1.478368e-04
## 387 0.000000e+00 -0.0078494225 -1.278562e-02 -3.281463e-02
## 388 -2.992953e-05 0.0440414564 1.232295e-02 -1.316238e-02
## 389 9.096198e-02 0.0488610964 -9.057399e-02 -3.882075e-02
## 390 3.017692e-03 0.0585781574 -2.058607e-02 -3.346580e-02
## 391 0.000000e+00 0.0415749240 0.000000e+00 -6.374629e-02
## 392 0.000000e+00 0.0714949993 0.000000e+00 -8.119712e-02
## 393 -1.040843e-01 0.0458287582 9.917505e-02 0.000000e+00
## 394 9.696506e-02 0.0700573286 2.323830e-03 0.000000e+00
## 395 -7.967885e-03 0.0030111819 5.220455e-02 1.260260e-01
## 396 3.879260e-02 0.0930334004 -1.952880e-03 4.869863e-02
## 397 0.000000e+00 0.0000000000 2.290639e-02 9.314864e-03
## 398 -1.453399e-02 -0.0261652308 0.000000e+00 -7.258072e-04
## 399 0.000000e+00 -0.0553806641 0.000000e+00 -3.744025e-02
## 400 -1.463879e-02 -0.0575588624 0.000000e+00 1.112094e-02
## 401 0.000000e+00 -0.0080699900 -3.757328e-02 -2.138139e-02
## 402 2.045403e-02 -0.0142643214 3.306990e-02 -5.570729e-02
## 403 3.774359e-02 0.0142578595 0.000000e+00 -6.507029e-02
## 404 2.603594e-02 -0.0061495112 -2.932839e-02 4.781973e-02
## 405 -3.841023e-02 0.0000000000 1.156799e-01 -2.130834e-02
## 406 1.081213e-01 0.0979998802 0.000000e+00 1.079082e-01
## 407 0.000000e+00 -0.0607035434 -1.171142e-02 -6.104782e-02
## 408 -3.122623e-02 0.0371741142 -7.654540e-03 -2.474527e-02
## 409 -2.481877e-02 0.0127831084 -1.154380e-01 -5.156123e-02
## 410 2.113939e-02 -0.0179854785 4.030292e-02 -1.080269e-02
## 411 -2.038041e-02 -0.0321495750 -3.448309e-02 0.000000e+00
## 412 3.306142e-03 0.0531516492 -1.748444e-02 1.467491e-02
## 413 5.372277e-02 -0.0875894722 -5.302489e-02 -2.636617e-02
## 414 1.002177e-01 0.0347012572 7.226531e-02 0.000000e+00
## 415 1.208049e-02 0.0000000000 5.348331e-02 -9.911170e-02
## 416 0.000000e+00 0.0000000000 -3.112922e-02 -3.949493e-02
## 417 3.790957e-02 -0.0256233116 0.000000e+00 0.000000e+00
## 418 -2.429298e-02 -0.0011839756 0.000000e+00 -6.649604e-02
## 419 -7.565254e-02 -0.0127958373 4.600972e-03 5.128435e-02
## 420 -4.417868e-02 -0.0334944525 5.924982e-03 6.660116e-02
## 421 -1.475860e-01 0.0000000000 2.605161e-02 0.000000e+00

```

```

## 422 0.000000e+00 0.0000000000 8.741523e-02 0.000000e+00
## 423 6.193846e-02 -0.0991117020 4.560411e-03 -2.366740e-02
## 424 0.000000e+00 0.0535151787 -6.727209e-03 -1.075256e-01
## 425 6.642889e-03 -0.1559607640 0.000000e+00 1.658022e-02
## 426 1.579845e-02 0.0000000000 0.000000e+00 7.005624e-02
## 427 4.878313e-02 0.0000000000 2.757556e-02 8.659604e-02
## 428 -6.668975e-02 -0.0069193639 -6.907663e-03 -5.705870e-02
## 429 2.798322e-02 0.0000000000 -1.317323e-02 1.958614e-02
## 430 -3.928239e-02 -0.0055015550 -1.552516e-02 6.800020e-04
## 431 1.433839e-02 0.0000000000 -2.687090e-03 -8.085826e-03
## 432 3.676591e-02 0.0000000000 0.000000e+00 0.000000e+00
## 433 -7.191562e-03 0.1018081198 0.000000e+00 0.000000e+00
## 434 0.000000e+00 -0.0822650005 0.000000e+00 -4.559353e-03
## 435 0.000000e+00 0.0294061686 0.000000e+00 0.000000e+00
## 436 -2.265811e-02 -0.0025942384 -4.890210e-02 2.536222e-02
## 437 0.000000e+00 -0.0090685950 -1.492971e-02 -6.560558e-03
## 438 -8.872472e-02 0.0000000000 0.000000e+00 0.000000e+00
## 439 4.726655e-02 0.0000000000 -4.578211e-02 -9.024955e-02
## 440 0.000000e+00 0.0116427852 -3.359691e-02 3.943349e-02
## 441 1.017178e-01 -0.0107150708 2.236937e-02 -3.534810e-02
## 442 0.000000e+00 0.0409662141 0.000000e+00 -2.633320e-02
## 443 -4.553712e-02 0.0490226314 1.134703e-02 3.552859e-02
## 444 3.730862e-02 0.0000000000 9.390758e-02 -6.435502e-02
## 445 0.000000e+00 0.0018223388 -6.847604e-02 6.238740e-04
## 446 5.592929e-02 0.0000000000 -4.852873e-02 9.255560e-03
## 447 -6.446099e-02 0.0000000000 -1.441976e-02 -5.863592e-02
## 448 0.000000e+00 0.0000000000 0.000000e+00 0.000000e+00
## 449 -3.354977e-02 0.0000000000 -3.390268e-02 -3.762692e-04
## 450 9.311586e-02 -0.0490365757 -6.971639e-03 0.000000e+00
## 451 4.749286e-03 0.0342133260 -8.667954e-04 -5.112870e-03
## 452 0.000000e+00 -0.0185104320 0.000000e+00 -3.911446e-02
## 453 3.671485e-02 0.0050532788 -6.077497e-02 1.119232e-02
## 454 -4.591641e-02 0.0000000000 -3.944247e-02 0.000000e+00
## 455 -4.125468e-02 -0.0094239310 4.385291e-02 3.197133e-02
## 456 -2.279379e-02 -0.0186935104 -2.614391e-02 3.135975e-02
## 457 -8.630260e-02 0.0000000000 3.065473e-02 0.000000e+00
## 458 1.150712e-02 -0.0741726436 -6.590243e-03 1.366268e-02
## 459 0.000000e+00 -0.0607733522 0.000000e+00 -7.587389e-03
## 460 -5.594260e-02 0.0264301701 7.338159e-02 -1.655422e-02
## 461 1.138978e-02 0.0000000000 0.000000e+00 0.000000e+00
## 462 -5.458095e-02 -0.0639068581 0.000000e+00 0.000000e+00
## 463 0.000000e+00 -0.0153714281 9.358822e-02 0.000000e+00
## 464 -2.901713e-02 -0.0689103896 6.992959e-02 4.469868e-02
## 465 0.000000e+00 -0.0011570101 -1.518839e-02 7.889353e-02
## 466 9.068413e-03 -0.0135142313 -1.698799e-03 2.546477e-02
## 467 0.000000e+00 0.0310367819 5.423799e-02 -8.542017e-02
## 468 1.573432e-02 0.0000000000 0.000000e+00 -1.396901e-02
## 469 -1.244033e-02 -0.0019633361 0.000000e+00 5.058002e-02
## 470 3.147804e-02 0.0000000000 0.000000e+00 -7.510388e-03
## 471 1.463070e-03 0.0129832590 2.501612e-02 0.000000e+00
## 472 0.000000e+00 -0.0120835518 -1.856791e-02 0.000000e+00
## 473 0.000000e+00 -0.0199311938 0.000000e+00 4.057520e-02
## 474 3.299595e-03 0.0000000000 -8.026523e-02 2.522739e-02
## 475 0.000000e+00 0.0310340762 -3.463762e-02 1.466299e-02

```

```
## 476 -2.491848e-02  0.0736252743 -5.010239e-02  8.076667e-02
## 477  3.416296e-03  0.0526079604 -4.076787e-02 -2.026365e-02
## 478  0.000000e+00 -0.0658273884  0.000000e+00  0.000000e+00
## 479 -1.871038e-02 -0.0319169886  3.604395e-02 -4.190099e-02
## 480  4.801697e-02  0.0000000000  7.340047e-03  1.132905e-01
## 481  0.000000e+00  0.0000000000  3.619021e-02 -6.869296e-02
## 482  0.000000e+00  0.0000000000 -4.608655e-03  0.000000e+00
## 483  4.061737e-03 -0.0298444568  1.117972e-02  2.224371e-02
## 484  3.899331e-03  0.0362594319  6.828929e-02 -4.169418e-02
## 485  0.000000e+00 -0.0342371016 -6.341443e-02  0.000000e+00
## 486  0.000000e+00 -0.0226816051  3.655625e-03 -7.900243e-02
## 487 -1.212936e-02  0.0563260946  3.270388e-02  0.000000e+00
## 488 -3.102751e-02 -0.0006616930  0.000000e+00  8.273031e-02
## 489  0.000000e+00  0.0000000000 -7.128181e-02 -6.238790e-03
## 490 -5.024100e-02  0.0001725433  7.312000e-02  0.000000e+00
## 491  0.000000e+00  0.0419324741 -9.771969e-03 -1.104866e-02
## 492  9.305291e-04  0.0362234569 -6.182515e-02 -2.341576e-02
## 493  2.505648e-03  0.0068740934  4.674419e-02 -6.050587e-02
## 494  2.029232e-02  0.0442771637  0.000000e+00  0.000000e+00
## 495  8.638459e-03  0.0000000000  0.000000e+00  6.098590e-03
## 496  0.000000e+00 -0.0421410493  0.000000e+00  0.000000e+00
## 497  1.157679e-01  0.0000000000  0.000000e+00 -2.245348e-02
## 498  0.000000e+00  0.0000000000 -1.842729e-02  0.000000e+00
## 499 -9.754115e-02  0.0203257844  7.956065e-02  2.018525e-02
## 500  0.000000e+00 -0.0101003195 -6.267743e-02 -3.843426e-02
```

We obtain the scree plot and the biplot using the same method.

```
pr.var <- (apply(inf_sprout$x, 2, sd))^2
pve <- pr.var / sum(pr.var)

par(mfrow=c(1,2))
plot(pve,
     xlab="Sparse PC",
     ylab="Proportion of Variance Explained",
     ylim=c(0,1),
     type="b")
plot(cumsum(pve),
     xlab="Sparse PC",
     ylab="Cumulative Proportion of Variance Explained",
     ylim=c(0,1),
     type="b")
```

For data with high dimensionality, the biplot is still much harder to read with to a lower sparsity value.

```
y_sub = apply(inf_sprout$loadings, 1, function(row) all(row != 0))
loadings = inf_sprout$loadings[y_sub, ]

par(mfrow=c(1,1))
biplot(inf_sprout$x, loadings, xlab="PC 1", ylab="PC 2")
```

Python Example Note that the Python package depends on numpy.

The following example accomplishes the same situation (down to the same randomly-generated data) but in Python.

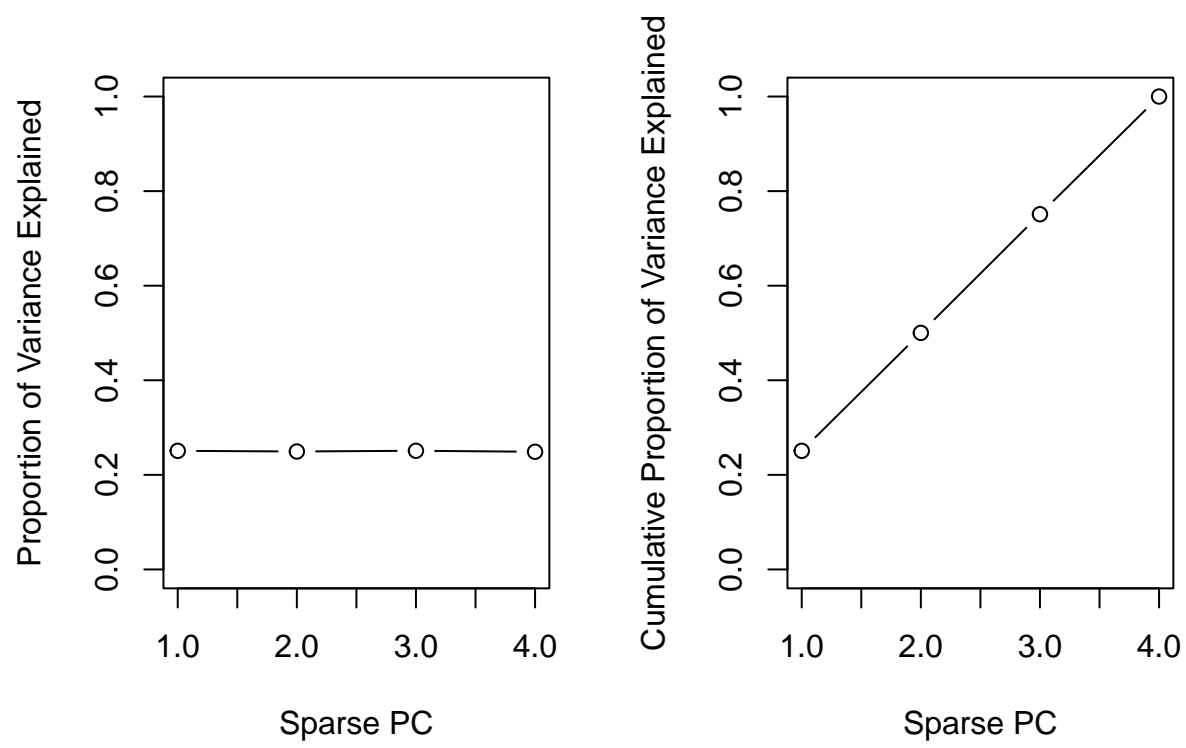


Figure 3: Scree plot for $\lambda = \infty$ case.

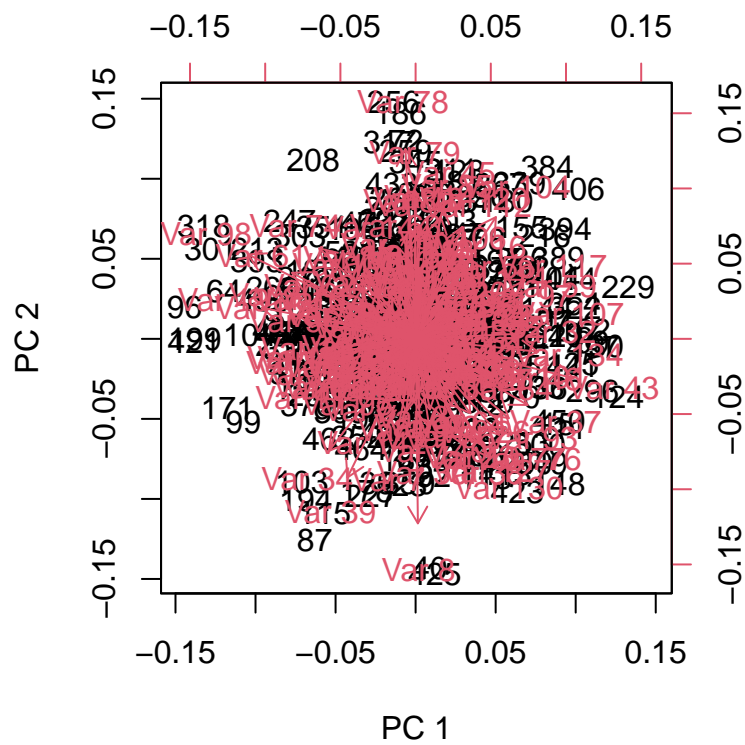


Figure 4: Biplot for $\lambda = \infty$ case. Observe that with lower sparsity in the loadings and high-dimensional data, the biplot becomes less readable.

```

import numpy as np
from sparsepca import spca

k = 4 # rank
p = 500 # dimensions
n = 1000 # sample size
lambda1 = 0.1 * np.ones((n, 1))
lambda2 = 1

np.random.seed(10)
z = np.random.normal(0, 1, size=(n, p)) # generate random normal 1000x500 matrix

fin_sprout = spca(z, lambda1, lambda2, k=k)
print(f"Finite: {fin_sprout['iter']} iterations with final value
      {fin_sprout['f_manpg']], sparsity {fin_sprout['sparsity']],
      timediff {fin_sprout['time']}.")

fin_sprout['loadings']

inf_sprout = spca(z, lambda1, np.inf, k=k)
print(f"Infinite: {inf_sprout['iter']} iterations with final value
      {inf_sprout['f_manpg']], sparsity {inf_sprout['sparsity']],
      timediff {inf_sprout['time']}.")

inf_sprout['loadings']

```

References

- Chen, S., Ma, S., Xue, L., and Zou, H. (2020) “An Alternating Manifold Proximal Gradient Method for Sparse Principal Component Analysis and Sparse Canonical Correlation Analysis” *INFORMS Journal on Optimization* 2:3, 192-208 <doi:10.1287/ijoo.2019.0032>.
- Zou, H., Hastie, T., & Tibshirani, R. (2006). Sparse principal component analysis. *Journal of Computational and Graphical Statistics*, 15(2), 265-286 <doi:10.1198/106186006X113430>.
- Zou, H., & Xue, L. (2018). A selective overview of sparse principal component analysis. *Proceedings of the IEEE*, 106(8), 1311-1320 <doi:10.1109/JPROC.2018.2846588>.