

# GYANADA

21BCE7727

## LAB 5

```
In [4]: data <- read.csv("C:/Users/gyanada/Downloads/stock/yahoo_stock.csv")
```

```
In [5]: dim(data)
```

1825 · 7

```
In [6]: head(data)
```

A data.frame: 6 × 7

	Date	High	Low	Open	Close	Volume	Adj.Close
	<chr>	<dbl>	<dbl>	<dbl>	<dbl>	<dbl>	<dbl>
1	2015-11-23	2095.61	2081.39	2089.41	2086.59	3587980000	2086.59
2	2015-11-24	2094.12	2070.29	2084.42	2089.14	3884930000	2089.14
3	2015-11-25	2093.00	2086.30	2089.30	2088.87	2852940000	2088.87
4	2015-11-26	2093.00	2086.30	2089.30	2088.87	2852940000	2088.87
5	2015-11-27	2093.29	2084.13	2088.82	2090.11	1466840000	2090.11
6	2015-11-28	2093.29	2084.13	2088.82	2090.11	1466840000	2090.11

```
In [9]: x<-is.na(data)
```

```
In [10]: print(x)
```

	Date	High	Low	Open	Close	Volume	Adj.Close
[1,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[2,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[3,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[4,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[5,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[6,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[7,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[8,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[9,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[10,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[11,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[12,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[13,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[14,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[15,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[16,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[17,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[18,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[19,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[20,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[21,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[22,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[23,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[24,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[25,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[26,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[27,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[28,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[29,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[30,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[31,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[32,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[33,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[34,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[35,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[36,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[37,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[38,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[39,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[40,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[41,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[42,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
[43,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

```
[44,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[45,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[46,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[47,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[48,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[49,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[50,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[51,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[52,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[53,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[54,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[55,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[56,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[57,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[58,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[59,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[60,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[61,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[62,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[63,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[64,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[65,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[66,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[67,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[68,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[69,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[70,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[71,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[72,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[73,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[74,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[75,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[76,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[77,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[78,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[79,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[80,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[81,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[82,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[83,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[84,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[85,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[86,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[87,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

```
[88,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[89,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[90,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[91,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[92,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[93,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[94,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[95,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[96,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[97,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[98,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[99,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[100,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[101,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[102,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[103,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[104,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[105,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[106,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[107,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[108,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[109,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[110,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[111,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[112,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[113,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[114,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[115,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[116,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[117,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[118,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[119,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[120,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[121,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[122,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[123,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[124,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[125,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[126,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[127,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[128,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[129,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[130,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[131,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

```
[132,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[133,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[134,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[135,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[136,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[137,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[138,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[139,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[140,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[141,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[142,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[143,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[144,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[145,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[146,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[147,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[148,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[149,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[150,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[151,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[152,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[153,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[154,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[155,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[156,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[157,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[158,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[159,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[160,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[161,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[162,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[163,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[164,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[165,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[166,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[167,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[168,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[169,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[170,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[171,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[172,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[173,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[174,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[175,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

```
[176,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[177,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[178,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[179,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[180,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[181,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[182,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[183,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[184,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[185,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[186,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[187,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[188,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[189,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[190,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[191,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[192,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[193,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[194,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[195,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[196,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[197,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[198,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[199,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[200,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[201,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[202,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[203,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[204,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[205,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[206,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[207,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[208,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[209,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[210,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[211,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[212,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[213,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[214,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[215,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[216,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[217,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[218,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[219,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

```
[220,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[221,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[222,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[223,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[224,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[225,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[226,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[227,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[228,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[229,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[230,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[231,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[232,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[233,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[234,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[235,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[236,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[237,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[238,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[239,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[240,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[241,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[242,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[243,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[244,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[245,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[246,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[247,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[248,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[249,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[250,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[251,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[252,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[253,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[254,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[255,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[256,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[257,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[258,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[259,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[260,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[261,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[262,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[263,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

```
[264,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[265,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[266,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[267,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[268,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[269,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[270,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[271,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[272,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[273,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[274,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[275,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[276,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[277,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[278,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[279,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[280,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[281,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[282,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[283,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[284,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[285,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[286,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[287,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[288,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[289,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[290,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[291,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[292,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[293,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[294,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[295,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[296,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[297,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[298,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[299,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[300,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[301,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[302,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[303,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[304,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[305,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[306,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[307,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

```
[308,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[309,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[310,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[311,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[312,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[313,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[314,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[315,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[316,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[317,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[318,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[319,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[320,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[321,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[322,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[323,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[324,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[325,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[326,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[327,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[328,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[329,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[330,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[331,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[332,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[333,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[334,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[335,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[336,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[337,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[338,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[339,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[340,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[341,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[342,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[343,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[344,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[345,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[346,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[347,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[348,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[349,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[350,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[351,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

```
[352,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[353,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[354,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[355,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[356,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[357,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[358,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[359,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[360,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[361,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[362,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[363,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[364,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[365,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[366,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[367,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[368,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[369,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[370,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[371,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[372,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[373,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[374,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[375,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[376,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[377,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[378,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[379,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[380,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[381,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[382,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[383,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[384,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[385,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[386,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[387,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[388,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[389,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[390,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[391,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[392,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[393,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[394,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[395,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

```
[396,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[397,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[398,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[399,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[400,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[401,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[402,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[403,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[404,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[405,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[406,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[407,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[408,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[409,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[410,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[411,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[412,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[413,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[414,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[415,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[416,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[417,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[418,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[419,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[420,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[421,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[422,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[423,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[424,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[425,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[426,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[427,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[428,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[429,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[430,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[431,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[432,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[433,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[434,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[435,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[436,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[437,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[438,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[439,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

[440,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[441,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[442,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[443,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[444,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[445,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[446,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[447,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[448,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[449,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[450,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[451,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[452,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[453,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[454,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[455,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[456,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[457,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[458,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[459,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[460,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[461,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[462,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[463,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[464,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[465,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[466,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[467,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[468,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[469,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[470,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[471,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[472,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[473,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[474,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[475,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[476,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[477,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[478,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[479,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[480,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[481,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[482,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[483,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE

```
[484,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[485,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[486,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[487,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[488,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[489,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[490,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[491,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[492,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[493,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[494,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[495,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[496,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[497,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[498,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[499,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[500,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[501,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[502,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[503,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[504,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[505,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[506,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[507,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[508,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[509,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[510,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[511,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[512,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[513,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[514,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[515,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[516,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[517,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[518,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[519,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[520,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[521,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[522,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[523,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[524,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[525,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[526,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[527,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

```
[528,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[529,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[530,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[531,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[532,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[533,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[534,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[535,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[536,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[537,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[538,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[539,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[540,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[541,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[542,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[543,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[544,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[545,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[546,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[547,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[548,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[549,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[550,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[551,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[552,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[553,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[554,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[555,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[556,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[557,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[558,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[559,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[560,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[561,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[562,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[563,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[564,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[565,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[566,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[567,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[568,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[569,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[570,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[571,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

```
[572,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[573,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[574,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[575,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[576,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[577,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[578,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[579,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[580,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[581,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[582,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[583,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[584,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[585,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[586,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[587,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[588,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[589,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[590,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[591,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[592,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[593,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[594,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[595,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[596,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[597,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[598,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[599,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[600,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[601,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[602,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[603,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[604,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[605,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[606,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[607,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[608,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[609,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[610,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[611,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[612,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[613,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[614,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[615,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

```
[616,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[617,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[618,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[619,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[620,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[621,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[622,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[623,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[624,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[625,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[626,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[627,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[628,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[629,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[630,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[631,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[632,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[633,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[634,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[635,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[636,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[637,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[638,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[639,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[640,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[641,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[642,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[643,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[644,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[645,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[646,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[647,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[648,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[649,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[650,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[651,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[652,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[653,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[654,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[655,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[656,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[657,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[658,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[659,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

```
[660,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[661,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[662,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[663,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[664,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[665,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[666,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[667,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[668,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[669,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[670,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[671,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[672,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[673,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[674,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[675,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[676,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[677,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[678,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[679,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[680,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[681,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[682,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[683,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[684,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[685,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[686,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[687,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[688,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[689,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[690,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[691,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[692,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[693,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[694,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[695,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[696,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[697,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[698,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[699,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[700,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[701,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[702,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[703,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

[704,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[705,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[706,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[707,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[708,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[709,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[710,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[711,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[712,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[713,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[714,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[715,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[716,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[717,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[718,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[719,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[720,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[721,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[722,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[723,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[724,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[725,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[726,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[727,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[728,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[729,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[730,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[731,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[732,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[733,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[734,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[735,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[736,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[737,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[738,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[739,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[740,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[741,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[742,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[743,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[744,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[745,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[746,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[747,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE

[748,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[749,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[750,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[751,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[752,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[753,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[754,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[755,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[756,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[757,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[758,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[759,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[760,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[761,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[762,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[763,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[764,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[765,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[766,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[767,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[768,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[769,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[770,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[771,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[772,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[773,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[774,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[775,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[776,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[777,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[778,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[779,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[780,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[781,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[782,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[783,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[784,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[785,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[786,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[787,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[788,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[789,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[790,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[791,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE

```
[792,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[793,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[794,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[795,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[796,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[797,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[798,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[799,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[800,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[801,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[802,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[803,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[804,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[805,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[806,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[807,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[808,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[809,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[810,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[811,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[812,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[813,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[814,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[815,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[816,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[817,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[818,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[819,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[820,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[821,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[822,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[823,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[824,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[825,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[826,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[827,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[828,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[829,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[830,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[831,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[832,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[833,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[834,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[835,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

```
[836,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[837,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[838,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[839,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[840,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[841,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[842,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[843,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[844,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[845,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[846,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[847,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[848,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[849,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[850,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[851,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[852,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[853,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[854,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[855,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[856,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[857,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[858,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[859,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[860,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[861,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[862,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[863,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[864,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[865,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[866,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[867,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[868,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[869,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[870,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[871,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[872,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[873,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[874,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[875,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[876,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[877,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[878,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[879,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

[880,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[881,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[882,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[883,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[884,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[885,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[886,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[887,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[888,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[889,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[890,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[891,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[892,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[893,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[894,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[895,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[896,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[897,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[898,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[899,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[900,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[901,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[902,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[903,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[904,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[905,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[906,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[907,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[908,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[909,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[910,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[911,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[912,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[913,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[914,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[915,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[916,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[917,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[918,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[919,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[920,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[921,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[922,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[923,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE

```
[924,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[925,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[926,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[927,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[928,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[929,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[930,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[931,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[932,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[933,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[934,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[935,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[936,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[937,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[938,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[939,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[940,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[941,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[942,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[943,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[944,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[945,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[946,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[947,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[948,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[949,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[950,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[951,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[952,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[953,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[954,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[955,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[956,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[957,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[958,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[959,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[960,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[961,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[962,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[963,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[964,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[965,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[966,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[967,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

```
[968,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[969,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[970,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[971,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[972,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[973,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[974,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[975,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[976,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[977,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[978,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[979,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[980,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[981,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[982,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[983,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[984,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[985,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[986,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[987,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[988,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[989,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[990,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[991,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[992,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[993,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[994,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[995,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[996,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[997,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[998,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[999,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1000,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1001,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1002,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1003,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1004,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1005,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1006,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1007,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1008,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1009,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1010,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1011,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

```
[1012,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1013,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1014,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1015,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1016,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1017,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1018,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1019,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1020,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1021,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1022,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1023,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1024,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1025,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1026,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1027,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1028,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1029,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1030,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1031,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1032,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1033,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1034,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1035,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1036,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1037,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1038,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1039,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1040,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1041,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1042,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1043,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1044,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1045,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1046,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1047,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1048,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1049,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1050,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1051,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1052,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1053,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1054,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1055,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

```
[1056,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1057,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1058,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1059,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1060,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1061,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1062,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1063,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1064,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1065,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1066,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1067,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1068,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1069,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1070,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1071,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1072,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1073,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1074,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1075,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1076,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1077,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1078,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1079,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1080,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1081,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1082,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1083,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1084,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1085,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1086,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1087,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1088,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1089,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1090,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1091,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1092,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1093,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1094,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1095,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1096,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1097,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1098,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1099,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

```
[1100,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1101,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1102,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1103,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1104,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1105,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1106,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1107,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1108,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1109,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1110,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1111,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1112,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1113,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1114,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1115,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1116,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1117,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1118,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1119,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1120,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1121,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1122,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1123,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1124,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1125,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1126,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1127,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1128,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1129,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1130,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1131,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1132,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1133,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1134,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1135,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1136,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1137,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1138,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1139,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1140,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1141,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1142,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1143,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

[1144,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1145,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1146,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1147,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1148,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1149,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1150,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1151,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1152,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1153,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1154,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1155,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1156,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1157,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1158,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1159,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1160,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1161,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1162,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1163,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1164,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1165,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1166,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1167,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1168,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1169,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1170,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1171,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1172,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1173,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1174,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1175,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1176,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1177,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1178,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1179,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1180,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1181,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1182,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1183,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1184,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1185,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1186,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1187,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE

[1188,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1189,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1190,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1191,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1192,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1193,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1194,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1195,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1196,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1197,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1198,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1199,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1200,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1201,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1202,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1203,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1204,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1205,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1206,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1207,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1208,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1209,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1210,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1211,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1212,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1213,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1214,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1215,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1216,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1217,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1218,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1219,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1220,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1221,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1222,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1223,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1224,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1225,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1226,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1227,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1228,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1229,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1230,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1231,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE

[1232,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1233,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1234,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1235,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1236,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1237,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1238,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1239,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1240,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1241,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1242,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1243,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1244,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1245,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1246,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1247,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1248,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1249,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1250,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1251,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1252,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1253,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1254,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1255,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1256,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1257,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1258,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1259,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1260,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1261,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1262,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1263,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1264,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1265,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1266,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1267,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1268,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1269,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1270,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1271,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1272,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1273,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1274,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1275,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE

```
[1276,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1277,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1278,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1279,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1280,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1281,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1282,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1283,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1284,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1285,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1286,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1287,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1288,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1289,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1290,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1291,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1292,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1293,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1294,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1295,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1296,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1297,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1298,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1299,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1300,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1301,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1302,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1303,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1304,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1305,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1306,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1307,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1308,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1309,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1310,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1311,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1312,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1313,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1314,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1315,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1316,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1317,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1318,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1319,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

```
[1320,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1321,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1322,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1323,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1324,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1325,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1326,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1327,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1328,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1329,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1330,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1331,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1332,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1333,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1334,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1335,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1336,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1337,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1338,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1339,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1340,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1341,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1342,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1343,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1344,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1345,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1346,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1347,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1348,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1349,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1350,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1351,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1352,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1353,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1354,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1355,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1356,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1357,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1358,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1359,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1360,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1361,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1362,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1363,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

```
[1364,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1365,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1366,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1367,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1368,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1369,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1370,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1371,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1372,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1373,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1374,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1375,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1376,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1377,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1378,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1379,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1380,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1381,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1382,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1383,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1384,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1385,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1386,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1387,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1388,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1389,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1390,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1391,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1392,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1393,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1394,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1395,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1396,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1397,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1398,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1399,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1400,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1401,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1402,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1403,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1404,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1405,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1406,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1407,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

```
[1408,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1409,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1410,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1411,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1412,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1413,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1414,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1415,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1416,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1417,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1418,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1419,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1420,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1421,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1422,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1423,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1424,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1425,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1426,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1427,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1428,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1429,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1430,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1431,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1432,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1433,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1434,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1435,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1436,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1437,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1438,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1439,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1440,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1441,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1442,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1443,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1444,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1445,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1446,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1447,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1448,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1449,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1450,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1451,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

```
[1452,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1453,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1454,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1455,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1456,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1457,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1458,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1459,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1460,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1461,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1462,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1463,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1464,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1465,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1466,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1467,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1468,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1469,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1470,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1471,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1472,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1473,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1474,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1475,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1476,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1477,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1478,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1479,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1480,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1481,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1482,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1483,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1484,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1485,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1486,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1487,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1488,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1489,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1490,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1491,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1492,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1493,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1494,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1495,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

```
[1496,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1497,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1498,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1499,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1500,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1501,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1502,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1503,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1504,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1505,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1506,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1507,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1508,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1509,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1510,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1511,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1512,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1513,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1514,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1515,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1516,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1517,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1518,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1519,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1520,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1521,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1522,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1523,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1524,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1525,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1526,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1527,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1528,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1529,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1530,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1531,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1532,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1533,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1534,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1535,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1536,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1537,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1538,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1539,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

[1540,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1541,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1542,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1543,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1544,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1545,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1546,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1547,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1548,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1549,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1550,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1551,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1552,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1553,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1554,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1555,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1556,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1557,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1558,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1559,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1560,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1561,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1562,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1563,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1564,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1565,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1566,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1567,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1568,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1569,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1570,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1571,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1572,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1573,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1574,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1575,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1576,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1577,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1578,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1579,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1580,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1581,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1582,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1583,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE

```
[1584,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1585,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1586,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1587,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1588,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1589,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1590,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1591,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1592,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1593,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1594,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1595,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1596,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1597,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1598,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1599,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1600,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1601,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1602,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1603,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1604,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1605,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1606,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1607,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1608,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1609,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1610,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1611,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1612,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1613,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1614,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1615,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1616,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1617,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1618,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1619,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1620,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1621,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1622,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1623,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1624,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1625,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1626,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1627,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

```
[1628,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1629,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1630,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1631,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1632,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1633,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1634,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1635,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1636,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1637,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1638,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1639,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1640,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1641,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1642,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1643,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1644,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1645,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1646,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1647,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1648,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1649,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1650,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1651,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1652,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1653,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1654,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1655,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1656,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1657,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1658,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1659,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1660,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1661,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1662,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1663,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1664,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1665,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1666,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1667,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1668,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1669,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1670,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1671,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

```
[1672,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1673,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1674,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1675,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1676,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1677,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1678,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1679,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1680,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1681,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1682,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1683,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1684,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1685,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1686,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1687,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1688,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1689,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1690,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1691,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1692,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1693,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1694,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1695,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1696,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1697,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1698,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1699,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1700,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1701,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1702,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1703,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1704,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1705,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1706,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1707,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1708,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1709,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1710,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1711,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1712,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1713,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1714,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1715,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

```
[1716,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1717,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1718,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1719,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1720,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1721,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1722,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1723,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1724,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1725,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1726,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1727,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1728,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1729,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1730,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1731,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1732,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1733,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1734,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1735,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1736,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1737,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1738,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1739,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1740,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1741,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1742,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1743,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1744,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1745,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1746,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1747,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1748,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1749,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1750,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1751,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1752,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1753,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1754,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1755,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1756,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1757,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1758,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1759,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

```
[1760,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1761,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1762,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1763,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1764,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1765,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1766,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1767,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1768,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1769,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1770,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1771,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1772,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1773,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1774,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1775,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1776,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1777,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1778,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1779,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1780,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1781,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1782,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1783,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1784,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1785,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1786,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1787,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1788,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1789,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1790,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1791,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1792,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1793,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1794,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1795,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1796,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1797,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1798,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1799,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1800,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1801,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1802,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1803,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

```
[1804,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1805,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1806,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1807,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1808,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1809,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1810,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1811,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1812,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1813,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1814,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1815,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1816,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1817,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1818,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1819,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1820,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1821,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1822,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1823,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1824,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE  
[1825,] FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

```
In [11]: data1 <-na.omit(data)
```

```
In [13]: head(data1)
```

A data.frame: 6 × 7

	Date	High	Low	Open	Close	Volume	Adj.Close
	<chr>	<dbl>	<dbl>	<dbl>	<dbl>	<dbl>	<dbl>
1	2015-11-23	2095.61	2081.39	2089.41	2086.59	3587980000	2086.59
2	2015-11-24	2094.12	2070.29	2084.42	2089.14	3884930000	2089.14
3	2015-11-25	2093.00	2086.30	2089.30	2088.87	2852940000	2088.87
4	2015-11-26	2093.00	2086.30	2089.30	2088.87	2852940000	2088.87
5	2015-11-27	2093.29	2084.13	2088.82	2090.11	1466840000	2090.11
6	2015-11-28	2093.29	2084.13	2088.82	2090.11	1466840000	2090.11

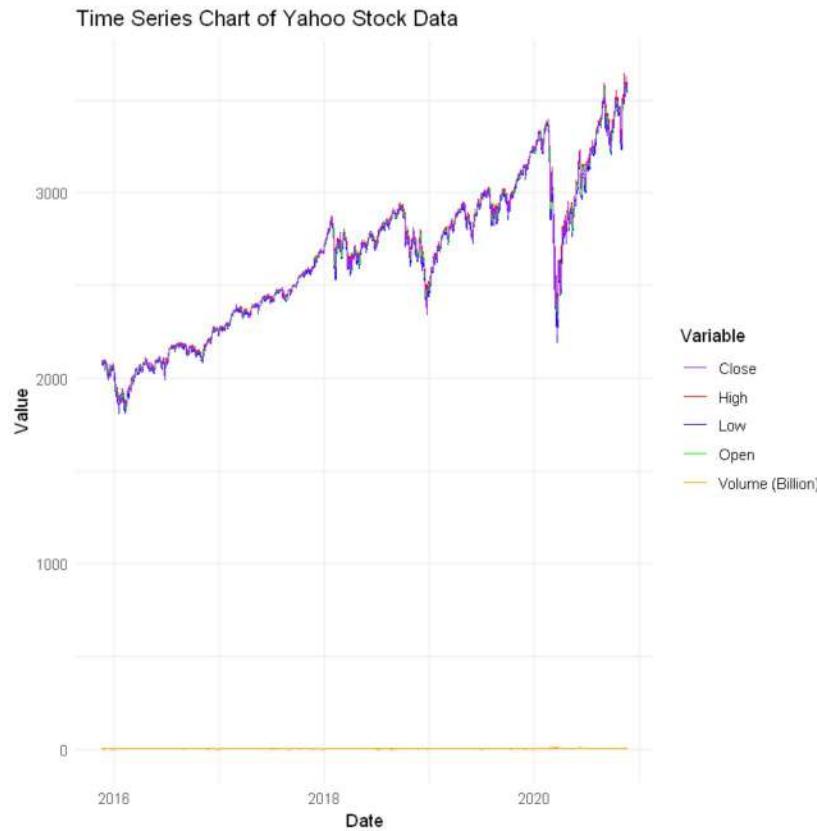
```
In [14]: summary(data)
```

	Date	High	Low	Open	Close
Length:	1825	Min. :1847	Min. :1810	Min. :1833	Min. :1829
Class :	character	1st Qu.:2348	1st Qu.:2322	1st Qu.:2342	1st Qu.:2329
Mode :	character	Median :2696	Median :2668	Median :2685	Median :2683
		Mean :2661	Mean :2633	Mean :2648	Mean :2648
		3rd Qu.:2931	3rd Qu.:2901	3rd Qu.:2914	3rd Qu.:2918
		Max. :3646	Max. :3600	Max. :3612	Max. :3627
Volume		Adj.Close			
Min.	:1.297e+09	Min. :1829			
1st Qu.	:3.258e+09	1st Qu.:2329			
Median	:3.610e+09	Median :2683			
Mean	:3.870e+09	Mean :2648			
3rd Qu.	:4.143e+09	3rd Qu.:2918			
Max.	:9.045e+09	Max. :3627			

```
In [16]: library(ggplot2)  
data$Date <- as.Date(data$Date)
```

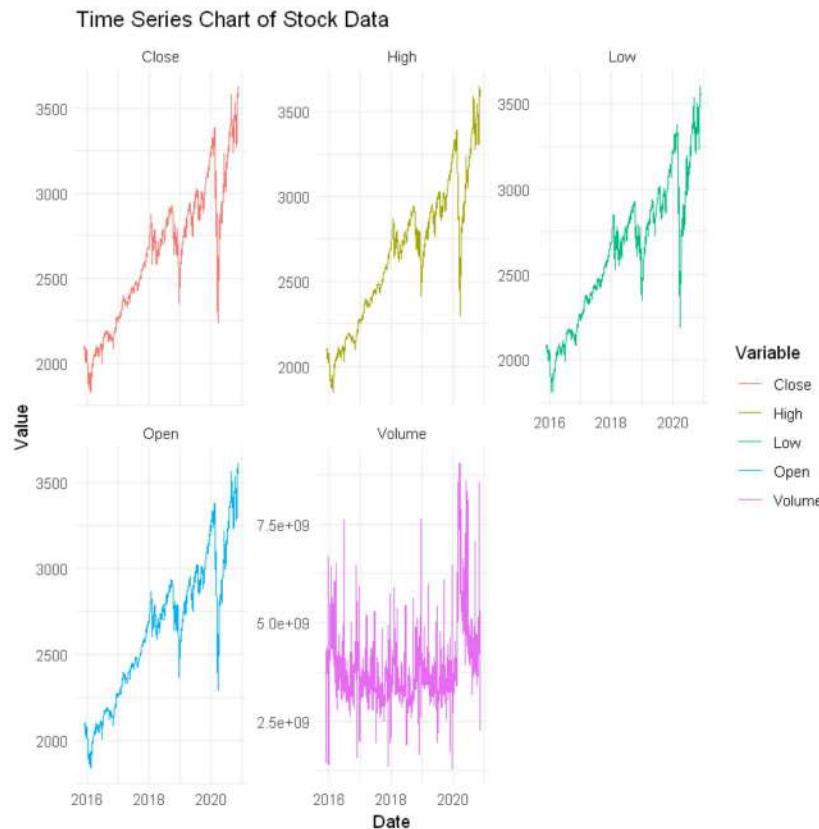
Warning message:  
"package 'ggplot2' was built under R version 4.2.3"

```
In [17]: ggplot(data, aes(x = Date)) +  
  geom_line(aes(y = High, color = "High")) +  
  geom_line(aes(y = Low, color = "Low")) +  
  geom_line(aes(y = Open, color = "Open")) +  
  geom_line(aes(y = Close, color = "Close")) +  
  geom_line(aes(y = Volume / 1e9, color = "Volume (Billion)")) +  
  scale_color_manual(values = c("High" = "red", "Low" = "blue", "Open" = "green", "Close" = "purple", "Volume (Billion)" = "black")) +  
  labs(title = "Time Series Chart of Yahoo Stock Data",  
       x = "Date",  
       y = "Value",  
       color = "Variable") +  
  theme_minimal()
```



```
In [19]: library(tidyr)
data_long <- pivot_longer(data, cols = c(High, Low, Open, Close, Volume), names_to = "Variable", values_to = "Value")
ggplot(data_long, aes(x = Date, y = Value, color = Variable)) +
  geom_line() +
  facet_wrap(~ Variable, scales = "free_y") +
  labs(title = "Time Series Chart of Stock Data",
       x = "Date",
       y = "Value") +
  theme_minimal()
```

Warning message:  
"package 'tidyverse' was built under R version 4.2.3"



```
In [21]: library(lubridate)
```

Warning message:  
"package 'lubridate' was built under R version 4.2.3"

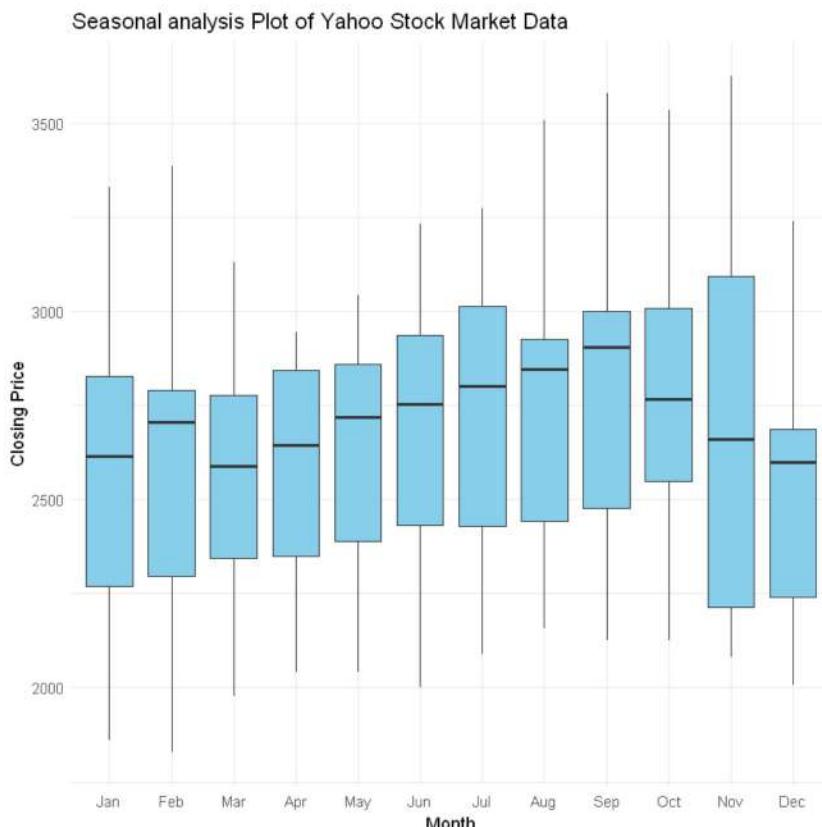
Attaching package: 'lubridate'

The following objects are masked from 'package:base':

date, intersect, setdiff, union

In [33]:

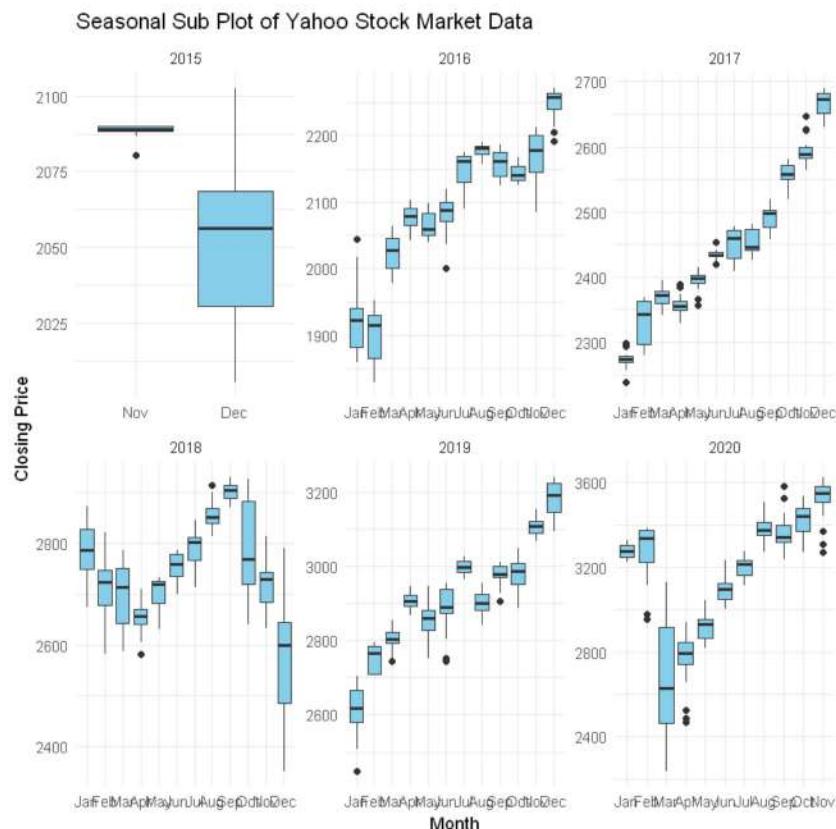
```
#seasonal analysis
ggplot(data, aes(x = factor(month(Date, label = TRUE)), y = Close)) + # Use factor() to get month labels
  geom_boxplot(fill = "skyblue") +
  labs(title = "Seasonal analysis Plot of Yahoo Stock Market Data",
       x = "Month",
       y = "Closing Price") +
  theme_minimal()
```



In [34]:

```
data$Year <- year(data$Date)
```

```
In [35]: ggplot(data, aes(x = factor(month(Date, label = TRUE)), y = Close)) +  
  geom_boxplot(fill = "skyblue") +  
  facet_wrap(~ Year, ncol = 3, scales = "free") + # Create separate plot for each year  
  labs(title = "Seasonal Sub Plot of Yahoo Stock Market Data",  
       x = "Month",  
       y = "Closing Price") +  
  theme_minimal()
```



```
In [36]: correlation_matrix <- cor(data[, c("Close", "High", "Low", "Open", "Volume")])
print(correlation_matrix)
```

	Close	High	Low	Open	Volume
Close	1.00000000	0.9989583	0.9990199	0.99834414	0.06340085
High	0.99895826	1.0000000	0.9981539	0.99932811	0.08421190
Low	0.99901990	0.9981539	1.0000000	0.99879394	0.04455660
Open	0.99834414	0.9993281	0.9987939	1.00000000	0.06972893
Volume	0.06340085	0.0842119	0.0445566	0.06972893	1.00000000

```
In [38]: # specific time period occurrences analysis
```

```
In [39]: start_date <- as.Date("2015-11-01")
end_date <- as.Date("2015-12-30")
```

```
In [40]: stock_data <- data.frame(
  Date = seq(as.Date("2015-11-01"), by = "day", length.out = 100),
  Close = rnorm(100, mean = 100, sd = 10)
)
```

```
In [41]: event_window_data <- stock_data[stock_data$Date >= start_date & stock_data$Date <= end_date, ]
```

```
In [42]: returns <- diff(log(event_window_data$Close))
```

```
In [43]: print(returns)
```

```
[1] -0.136179845  0.053712255 -0.208606068 -0.075164565  0.337261177
[6]  0.062671341 -0.322016397 -0.063820440  0.317171570 -0.189341004
[11]  0.066205617  0.174470877 -0.007687391 -0.144083077 -0.124707284
[16]  0.092208491 -0.005475144 -0.060709454 -0.157297851  0.286651506
[21] -0.038309790 -0.078908785  0.184137633 -0.050908071  0.044014070
[26] -0.060223369 -0.086350766  0.169389344 -0.250050950  0.135883060
[31]  0.010475020  0.051776140  0.049646153 -0.114520244  0.231063607
[36] -0.253532874  0.057997179 -0.111867648  0.051567091  0.067159698
[41]  0.049339435 -0.252526811  0.232677705 -0.086447055  0.122915278
[46] -0.142144000  0.198505754 -0.195479020  0.113749629 -0.034214230
[51]  0.042144480 -0.196242959  0.049154003 -0.063390010  0.182554418
[56]  0.013275238 -0.251981639  0.254442231 -0.073644297
```

```
In [44]: market_returns <- rnorm(length(returns), mean = 0.02, sd = 0.03)
```

```
In [45]: print(market_returns)
```

```
[1]  0.054319429  0.054906006  0.037316728  0.055892540  0.005128730
[6]  0.029116727 -0.031092224  0.020928426  0.031854727  0.016887920
[11] 0.005869726  0.031896489  0.042389168  0.010139068  0.011175897
[16] 0.023984719  0.009553379  0.024198974 -0.008200243  0.062571902
[21] -0.019235581  0.012580097  0.015069062 -0.003955904 -0.008081611
[26] 0.005667796  0.032989618  0.088207792 -0.003817611 -0.066681916
[31] 0.012969622  0.056427668  0.010638672  0.049142150  0.068670399
[36] 0.018813750  0.024035016  0.030739561  0.041465137  0.050421708
[41] 0.049167692  0.038262238  0.003265454  0.031589723  0.041311795
[46] 0.028547533  0.049767332  0.059486855  0.037178608  0.003859657
[51] -0.015428654  0.058144303  0.002565300  0.035588378 -0.037738415
[56] 0.074484261  0.049612509  0.042001754  0.050338943
```

```
In [46]: expected_returns <- mean(market_returns)
```

```
In [47]: abnormal_returns <- returns - expected_returns
```

```
In [49]: abnormal_returns <- returns - expected_returns
t_test <- t.test(abnormal_returns)
if (t_test$p.value < 0.05) {
  print("Statistically significant abnormal returns observed.")
} else {
  print("No statistically significant abnormal returns observed.")
}
```

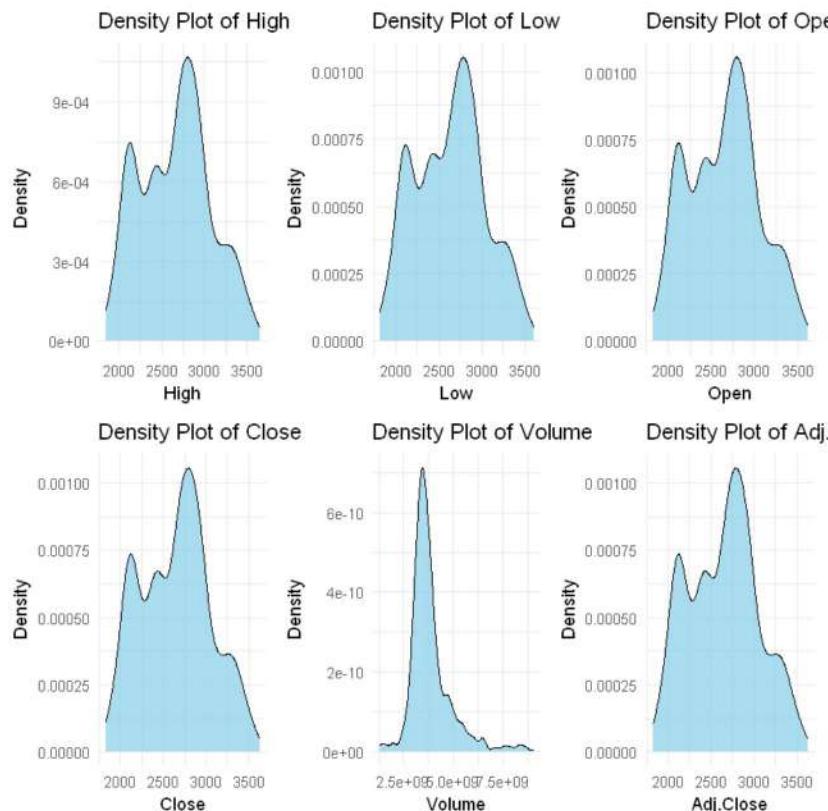
```
[1] "No statistically significant abnormal returns observed."
```

```
In [78]: colnames(data1)
```

```
'Date' · 'High' · 'Low' · 'Open' · 'Close' · 'Volume' · 'Adj.Close'
```

In [83]:

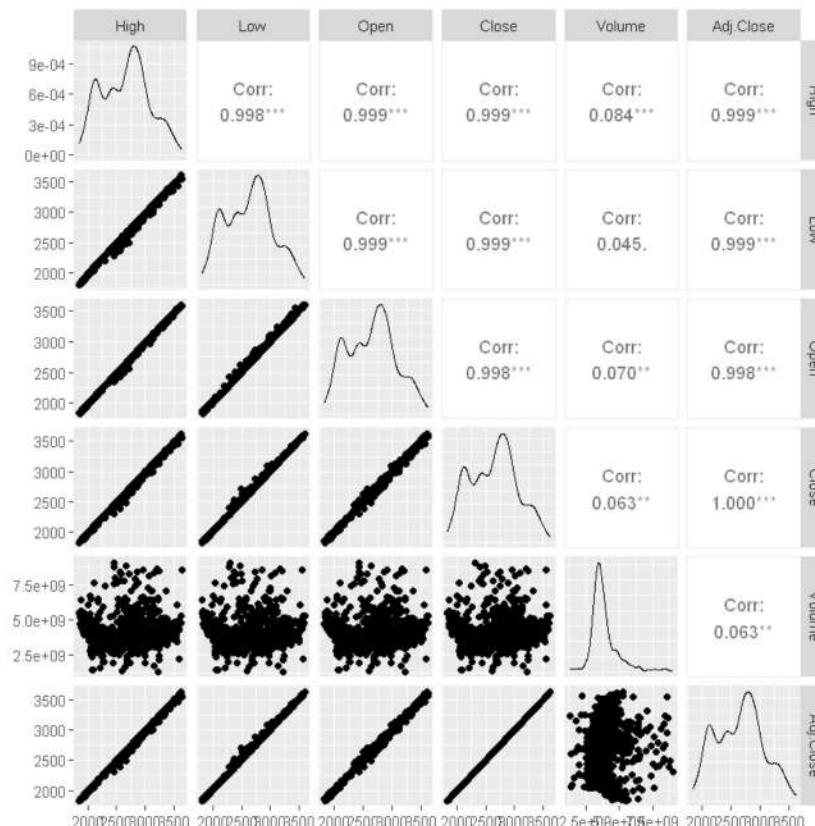
```
library(ggplot2)
library(patchwork)
numeric_columns <- data1[, sapply(data1, is.numeric)]
density_plots <- list()
for (column in colnames(numeric_columns)) {
  density_plots[[column]] <- ggplot(data1, aes(x = .data[[column]])) +
    geom_density(fill = "skyblue", alpha = 0.7) +
    labs(title = paste("Density Plot of", column),
        x = column,
        y = "Density") +
    theme_minimal()
}
grid <- wrap_plots(density_plots, nrow = 2)
print(grid)
```



```
In [84]: library(GGally)
numeric_columns <- data1[, sapply(data1, is.numeric)]
pair_plot <- ggpairs(data1, columns = colnames(numeric_columns))
print(pair_plot)
```

Registered S3 method overwritten by 'GGally':

method from  
+.gg ggplot2



END

```
In [ ]:
```