

Group project

March 25, 2024

We first start by importing the libraries and the data

```
[ ]: import pandas as pd
      from deap import base, creator, tools, algorithms
      import random
      import numpy as np
```

```
[ ]: excel_file = pd.read_excel('Group Project.xlsx', sheet_name = None)
      co2_emission = excel_file['CO2 Emission by Industry Sector']
      rbf_equity = excel_file['RBF Equity Portfolio']
```

We now perform data extraction and preprocessing

```
[ ]: percentage_returns = rbf_equity['Investment Return in % (annual)']
      percentage_returns = np.array(percentage_returns.apply(lambda x: float(x.
      ↳strip('%'))/100))
      total_investment = rbf_equity['Investment in $million'].sum()
      percentage_fossil = rbf_equity.iloc[3]['Investment in $million'] /
      ↳total_investment
      initial_allocation = rbf_equity['Investment in $million'] / total_investment
      num_sectors = len(rbf_equity)
```

We now define functions to generate a portfolio, evaluate a given portfolio and ensure that all portfolio generated by our algorithm are valid, i.e. all entries are non negative and their sum is 1

```
[ ]: def generate_allocation():
      allocations = np.array(initial_allocation.copy())
      new_fossil_percentage = random.uniform(0, percentage_fossil)
      difference = percentage_fossil - new_fossil_percentage
      fossil_index = 3
      allocations[fossil_index] = new_fossil_percentage
      total_redistribution = difference
      other_sectors = [i for i in range(len(allocations)) if i != fossil_index]

      random_deltas = np.random.rand(len(other_sectors))
      random_deltas /= sum(random_deltas)
      random_deltas *= total_redistribution
      for i, delta in zip(other_sectors, random_deltas):
          allocations[i] += delta
```

```

allocations /= np.sum(allocations)
return allocations

```

```

[ ]: def calculate_enb(allocation):
    """Calculate the Effective Number of Bets for a given allocation."""
    allocation = np.array(allocation)
    allocation = allocation[allocation > 0] / np.sum(allocation)
    enb = np.exp(-np.sum(allocation * np.log(allocation)))
    return enb

def calculate_hhi(allocation):
    """Calculate the Herfindahl-Hirschman Index for a given allocation."""
    return np.sum(np.square(allocation))

def calculate_portfolio_volatility(allocation, sector_std):
    w = np.array(allocation)
    C = np.diag(sector_std ** 2)
    portfolio_volatility = np.sqrt(np.dot(w.T, np.dot(C, w)))
    return portfolio_volatility

def evalPortfolio(individual):
    """Evaluate the portfolio based on the weighted returns, CO2 emissions, and
    ↪volatility."""
    fossil_fuel_index = 3
    weighted_volatility = calculate_portfolio_volatility(individual,
    ↪rbf_equity['Volatility (st. dev.)'])
    enb = calculate_enb(individual)
    hhi = calculate_hhi(individual)
    enb_penalty = np.exp(-enb)
    hhi_penalty = hhi ** 4
    fossil_fuel_penalty = (individual[fossil_fuel_index] * 100) ** 2
    weighted_co2 = np.dot(co2_emission['Total CO2e in t/$1 million invested'],
    ↪individual) * 100
    return (-weighted_co2, -weighted_volatility, -enb_penalty, -hhi_penalty,
    ↪-fossil_fuel_penalty)

```

```

[ ]: def checkBounds(minimum, maximum):
    def decorator(func):
        def wrapper(*args, **kwargs):
            fossil_fuel_index = 3
            green_energy_index = 2
            offspring = func(*args, **kwargs)
            for child in offspring:
                for i in range(len(child)):
                    if i != fossil_fuel_index:
                        min_bound = max(initial_allocation[i], minimum)
                        max_bound = maximum -
    ↪initial_allocation[fossil_fuel_index]

```

```

        else:
            min_bound = minimum
            max_bound = initial_allocation[fossil_fuel_index]
            if i == green_energy_index:
                child[i] *= 1.25
                max_bound = 1.25
            if child[i] < min_bound:
                child[i] = min_bound
            elif child[i] > max_bound:
                child[i] = max_bound
        total = sum(child)
        if total != 1:
            ## Normalize the child
            child[:] = [x / total for x in child]
    return offspring
return wrapper
return decorator

```

We now set up our Genetic Algorithm

```

[ ]: creator.create("FitnessMax", base.Fitness, weights=(0.2, 0.5, 1.5, 1.5, 3))
creator.create("Individual", list, fitness=creator.FitnessMax)
toolbox = base.Toolbox()

[ ]: toolbox.register("attr_float", generate_allocation)
toolbox.register("individual", tools.initIterate, creator.Individual, toolbox.
    ↪attr_float)
toolbox.register("population", tools.initRepeat, list, toolbox.individual)

[ ]: toolbox.register("evaluate", evalPortfolio)
toolbox.register("mate", tools.cxTwoPoint)
toolbox.register("mutate", tools.mutGaussian, mu=0, sigma=0.3, indpb=0.24)
toolbox.register("select", tools.selNSGA2)

[ ]: toolbox.decorate("mate", checkBounds(0,1))
toolbox.decorate("mutate", checkBounds(0,1))

[ ]: population = toolbox.population(n=100)
NGEN = 10000
CXPB = 0.6
MUTPB = 0.3
fitnesses = list(map(toolbox.evaluate, population))
for ind, fit in zip(population, fitnesses):
    ind.fitness.values = fit

```

We now start our genetic algorithm

```

[ ]: for gen in range(NGEN):
    print(f"Starting generation: {gen + 1}")
    offspring = toolbox.select(population, len(population))
    offspring = list(map(toolbox.clone, offspring))
    for child1, child2 in zip(offspring[::2], offspring[1::2]):
        if random.random() < CXPB:
            toolbox.mate(child1, child2)
            del child1.fitness.values
            del child2.fitness.values
    for mutant in offspring:
        if random.random() < MUTPB:
            toolbox.mutate(mutant)
            del mutant.fitness.values
    invalid_ind = [ind for ind in offspring if not ind.fitness.valid]
    fitnesses = map(toolbox.evaluate, invalid_ind)

    for ind, fit in zip(invalid_ind, fitnesses):
        ind.fitness.values = fit
    population = offspring
    all_fitnesses = np.array([ind.fitness.values[0] for ind in population]) #_
    ↪ Assuming we're focusing on the first objective
    fitness_variance = np.var(all_fitnesses)
    if fitness_variance < 1e-5: # Threshold for minimal change
        print(f"Stopping at generation {gen + 1} due to minimal change in_
    ↪ fitness.")

```

```

Starting generation: 1
Starting generation: 2
Starting generation: 3
Starting generation: 4
Starting generation: 5
Starting generation: 6
Starting generation: 7
Starting generation: 8
Starting generation: 9
Starting generation: 10
Starting generation: 11
Starting generation: 12
Starting generation: 13
Starting generation: 14
Starting generation: 15
Starting generation: 16
Starting generation: 17
Starting generation: 18
Starting generation: 19
Starting generation: 20
Starting generation: 21
Starting generation: 22

```

Starting generation: 23
Starting generation: 24
Starting generation: 25
Starting generation: 26
Starting generation: 27
Starting generation: 28
Starting generation: 29
Starting generation: 30
Starting generation: 31
Starting generation: 32
Starting generation: 33
Starting generation: 34
Starting generation: 35
Starting generation: 36
Starting generation: 37
Starting generation: 38
Starting generation: 39
Starting generation: 40
Starting generation: 41
Starting generation: 42
Starting generation: 43
Starting generation: 44
Starting generation: 45
Starting generation: 46
Starting generation: 47
Starting generation: 48
Starting generation: 49
Starting generation: 50
Starting generation: 51
Starting generation: 52
Starting generation: 53
Starting generation: 54
Starting generation: 55
Starting generation: 56
Starting generation: 57
Starting generation: 58
Starting generation: 59
Starting generation: 60
Starting generation: 61
Starting generation: 62
Starting generation: 63
Starting generation: 64
Starting generation: 65
Starting generation: 66
Starting generation: 67
Starting generation: 68
Starting generation: 69
Starting generation: 70

Starting generation: 71
Starting generation: 72
Starting generation: 73
Starting generation: 74
Starting generation: 75
Starting generation: 76
Starting generation: 77
Starting generation: 78
Starting generation: 79
Starting generation: 80
Starting generation: 81
Starting generation: 82
Starting generation: 83
Starting generation: 84
Starting generation: 85
Starting generation: 86
Starting generation: 87
Starting generation: 88
Starting generation: 89
Starting generation: 90
Starting generation: 91
Starting generation: 92
Starting generation: 93
Starting generation: 94
Starting generation: 95
Starting generation: 96
Starting generation: 97
Starting generation: 98
Starting generation: 99
Starting generation: 100
Starting generation: 101
Starting generation: 102
Starting generation: 103
Starting generation: 104
Starting generation: 105
Starting generation: 106
Starting generation: 107
Starting generation: 108
Starting generation: 109
Starting generation: 110
Starting generation: 111
Starting generation: 112
Starting generation: 113
Starting generation: 114
Starting generation: 115
Starting generation: 116
Starting generation: 117
Starting generation: 118

Starting generation: 119
Starting generation: 120
Starting generation: 121
Starting generation: 122
Starting generation: 123
Starting generation: 124
Starting generation: 125
Starting generation: 126
Starting generation: 127
Starting generation: 128
Starting generation: 129
Starting generation: 130
Starting generation: 131
Starting generation: 132
Starting generation: 133
Starting generation: 134
Starting generation: 135
Starting generation: 136
Starting generation: 137
Starting generation: 138
Starting generation: 139
Starting generation: 140
Starting generation: 141
Starting generation: 142
Starting generation: 143
Starting generation: 144
Starting generation: 145
Starting generation: 146
Starting generation: 147
Starting generation: 148
Starting generation: 149
Starting generation: 150
Starting generation: 151
Starting generation: 152
Starting generation: 153
Starting generation: 154
Starting generation: 155
Starting generation: 156
Starting generation: 157
Starting generation: 158
Starting generation: 159
Starting generation: 160
Starting generation: 161
Starting generation: 162
Starting generation: 163
Starting generation: 164
Starting generation: 165
Starting generation: 166

Starting generation: 167
Starting generation: 168
Starting generation: 169
Starting generation: 170
Starting generation: 171
Starting generation: 172
Starting generation: 173
Starting generation: 174
Starting generation: 175
Starting generation: 176
Starting generation: 177
Starting generation: 178
Starting generation: 179
Starting generation: 180
Starting generation: 181
Starting generation: 182
Starting generation: 183
Starting generation: 184
Starting generation: 185
Starting generation: 186
Starting generation: 187
Starting generation: 188
Starting generation: 189
Starting generation: 190
Starting generation: 191
Starting generation: 192
Starting generation: 193
Starting generation: 194
Starting generation: 195
Starting generation: 196
Starting generation: 197
Starting generation: 198
Starting generation: 199
Starting generation: 200
Starting generation: 201
Starting generation: 202
Starting generation: 203
Starting generation: 204
Starting generation: 205
Starting generation: 206
Starting generation: 207
Starting generation: 208
Starting generation: 209
Starting generation: 210
Starting generation: 211
Starting generation: 212
Starting generation: 213
Starting generation: 214

Starting generation: 215
Starting generation: 216
Starting generation: 217
Starting generation: 218
Starting generation: 219
Starting generation: 220
Starting generation: 221
Starting generation: 222
Starting generation: 223
Starting generation: 224
Starting generation: 225
Starting generation: 226
Starting generation: 227
Starting generation: 228
Starting generation: 229
Starting generation: 230
Starting generation: 231
Starting generation: 232
Starting generation: 233
Starting generation: 234
Starting generation: 235
Starting generation: 236
Starting generation: 237
Starting generation: 238
Starting generation: 239
Starting generation: 240
Starting generation: 241
Starting generation: 242
Starting generation: 243
Starting generation: 244
Starting generation: 245
Starting generation: 246
Starting generation: 247
Starting generation: 248
Starting generation: 249
Starting generation: 250
Starting generation: 251
Starting generation: 252
Starting generation: 253
Starting generation: 254
Starting generation: 255
Starting generation: 256
Starting generation: 257
Starting generation: 258
Starting generation: 259
Starting generation: 260
Starting generation: 261
Starting generation: 262

Starting generation: 263
Starting generation: 264
Starting generation: 265
Starting generation: 266
Starting generation: 267
Starting generation: 268
Starting generation: 269
Starting generation: 270
Starting generation: 271
Starting generation: 272
Starting generation: 273
Starting generation: 274
Starting generation: 275
Starting generation: 276
Starting generation: 277
Starting generation: 278
Starting generation: 279
Starting generation: 280
Starting generation: 281
Starting generation: 282
Starting generation: 283
Starting generation: 284
Starting generation: 285
Starting generation: 286
Starting generation: 287
Starting generation: 288
Starting generation: 289
Starting generation: 290
Starting generation: 291
Starting generation: 292
Starting generation: 293
Starting generation: 294
Starting generation: 295
Starting generation: 296
Starting generation: 297
Starting generation: 298
Starting generation: 299
Starting generation: 300
Starting generation: 301
Starting generation: 302
Starting generation: 303
Starting generation: 304
Starting generation: 305
Starting generation: 306
Starting generation: 307
Starting generation: 308
Starting generation: 309
Starting generation: 310

Starting generation: 311
Starting generation: 312
Starting generation: 313
Starting generation: 314
Starting generation: 315
Starting generation: 316
Starting generation: 317
Starting generation: 318
Starting generation: 319
Starting generation: 320
Starting generation: 321
Starting generation: 322
Starting generation: 323
Starting generation: 324
Starting generation: 325
Starting generation: 326
Starting generation: 327
Starting generation: 328
Starting generation: 329
Starting generation: 330
Starting generation: 331
Starting generation: 332
Starting generation: 333
Starting generation: 334
Starting generation: 335
Starting generation: 336
Starting generation: 337
Starting generation: 338
Starting generation: 339
Starting generation: 340
Starting generation: 341
Starting generation: 342
Starting generation: 343
Starting generation: 344
Starting generation: 345
Starting generation: 346
Starting generation: 347
Starting generation: 348
Starting generation: 349
Starting generation: 350
Starting generation: 351
Starting generation: 352
Starting generation: 353
Starting generation: 354
Starting generation: 355
Starting generation: 356
Starting generation: 357
Starting generation: 358

Starting generation: 359
Starting generation: 360
Starting generation: 361
Starting generation: 362
Starting generation: 363
Starting generation: 364
Starting generation: 365
Starting generation: 366
Starting generation: 367
Starting generation: 368
Starting generation: 369
Starting generation: 370
Starting generation: 371
Starting generation: 372
Starting generation: 373
Starting generation: 374
Starting generation: 375
Starting generation: 376
Starting generation: 377
Starting generation: 378
Starting generation: 379
Starting generation: 380
Starting generation: 381
Starting generation: 382
Starting generation: 383
Starting generation: 384
Starting generation: 385
Starting generation: 386
Starting generation: 387
Starting generation: 388
Starting generation: 389
Starting generation: 390
Starting generation: 391
Starting generation: 392
Starting generation: 393
Starting generation: 394
Starting generation: 395
Starting generation: 396
Starting generation: 397
Starting generation: 398
Starting generation: 399
Starting generation: 400
Starting generation: 401
Starting generation: 402
Starting generation: 403
Starting generation: 404
Starting generation: 405
Starting generation: 406

Starting generation: 407
Starting generation: 408
Starting generation: 409
Starting generation: 410
Starting generation: 411
Starting generation: 412
Starting generation: 413
Starting generation: 414
Starting generation: 415
Starting generation: 416
Starting generation: 417
Starting generation: 418
Starting generation: 419
Starting generation: 420
Starting generation: 421
Starting generation: 422
Starting generation: 423
Starting generation: 424
Starting generation: 425
Starting generation: 426
Starting generation: 427
Starting generation: 428
Starting generation: 429
Starting generation: 430
Starting generation: 431
Starting generation: 432
Starting generation: 433
Starting generation: 434
Starting generation: 435
Starting generation: 436
Starting generation: 437
Starting generation: 438
Starting generation: 439
Starting generation: 440
Starting generation: 441
Starting generation: 442
Starting generation: 443
Starting generation: 444
Starting generation: 445
Starting generation: 446
Starting generation: 447
Starting generation: 448
Starting generation: 449
Starting generation: 450
Starting generation: 451
Starting generation: 452
Starting generation: 453
Starting generation: 454

Starting generation: 455
Starting generation: 456
Starting generation: 457
Starting generation: 458
Starting generation: 459
Starting generation: 460
Starting generation: 461
Starting generation: 462
Starting generation: 463
Starting generation: 464
Starting generation: 465
Starting generation: 466
Starting generation: 467
Starting generation: 468
Starting generation: 469
Starting generation: 470
Starting generation: 471
Starting generation: 472
Starting generation: 473
Starting generation: 474
Starting generation: 475
Starting generation: 476
Starting generation: 477
Starting generation: 478
Starting generation: 479
Starting generation: 480
Starting generation: 481
Starting generation: 482
Starting generation: 483
Starting generation: 484
Starting generation: 485
Starting generation: 486
Starting generation: 487
Starting generation: 488
Starting generation: 489
Starting generation: 490
Starting generation: 491
Starting generation: 492
Starting generation: 493
Starting generation: 494
Starting generation: 495
Starting generation: 496
Starting generation: 497
Starting generation: 498
Starting generation: 499
Starting generation: 500
Starting generation: 501
Starting generation: 502

Starting generation: 503
Starting generation: 504
Starting generation: 505
Starting generation: 506
Starting generation: 507
Starting generation: 508
Starting generation: 509
Starting generation: 510
Starting generation: 511
Starting generation: 512
Starting generation: 513
Starting generation: 514
Starting generation: 515
Starting generation: 516
Starting generation: 517
Starting generation: 518
Starting generation: 519
Starting generation: 520
Starting generation: 521
Starting generation: 522
Starting generation: 523
Starting generation: 524
Starting generation: 525
Starting generation: 526
Starting generation: 527
Starting generation: 528
Starting generation: 529
Starting generation: 530
Starting generation: 531
Starting generation: 532
Starting generation: 533
Starting generation: 534
Starting generation: 535
Starting generation: 536
Starting generation: 537
Starting generation: 538
Starting generation: 539
Starting generation: 540
Starting generation: 541
Starting generation: 542
Starting generation: 543
Starting generation: 544
Starting generation: 545
Starting generation: 546
Starting generation: 547
Starting generation: 548
Starting generation: 549
Starting generation: 550

Starting generation: 551
Starting generation: 552
Starting generation: 553
Starting generation: 554
Starting generation: 555
Starting generation: 556
Starting generation: 557
Starting generation: 558
Starting generation: 559
Starting generation: 560
Starting generation: 561
Starting generation: 562
Starting generation: 563
Starting generation: 564
Starting generation: 565
Starting generation: 566
Starting generation: 567
Starting generation: 568
Starting generation: 569
Starting generation: 570
Starting generation: 571
Starting generation: 572
Starting generation: 573
Starting generation: 574
Starting generation: 575
Starting generation: 576
Starting generation: 577
Starting generation: 578
Starting generation: 579
Starting generation: 580
Starting generation: 581
Starting generation: 582
Starting generation: 583
Starting generation: 584
Starting generation: 585
Starting generation: 586
Starting generation: 587
Starting generation: 588
Starting generation: 589
Starting generation: 590
Starting generation: 591
Starting generation: 592
Starting generation: 593
Starting generation: 594
Starting generation: 595
Starting generation: 596
Starting generation: 597
Starting generation: 598

Starting generation: 599
Starting generation: 600
Starting generation: 601
Starting generation: 602
Starting generation: 603
Starting generation: 604
Starting generation: 605
Starting generation: 606
Starting generation: 607
Starting generation: 608
Starting generation: 609
Starting generation: 610
Starting generation: 611
Starting generation: 612
Starting generation: 613
Starting generation: 614
Starting generation: 615
Starting generation: 616
Starting generation: 617
Starting generation: 618
Starting generation: 619
Starting generation: 620
Starting generation: 621
Starting generation: 622
Starting generation: 623
Starting generation: 624
Starting generation: 625
Starting generation: 626
Starting generation: 627
Starting generation: 628
Starting generation: 629
Starting generation: 630
Starting generation: 631
Starting generation: 632
Starting generation: 633
Starting generation: 634
Starting generation: 635
Starting generation: 636
Starting generation: 637
Starting generation: 638
Starting generation: 639
Starting generation: 640
Starting generation: 641
Starting generation: 642
Starting generation: 643
Starting generation: 644
Starting generation: 645
Starting generation: 646

Starting generation: 647
Starting generation: 648
Starting generation: 649
Starting generation: 650
Starting generation: 651
Starting generation: 652
Starting generation: 653
Starting generation: 654
Starting generation: 655
Starting generation: 656
Starting generation: 657
Starting generation: 658
Starting generation: 659
Starting generation: 660
Starting generation: 661
Starting generation: 662
Starting generation: 663
Starting generation: 664
Starting generation: 665
Starting generation: 666
Starting generation: 667
Starting generation: 668
Starting generation: 669
Starting generation: 670
Starting generation: 671
Starting generation: 672
Starting generation: 673
Starting generation: 674
Starting generation: 675
Starting generation: 676
Starting generation: 677
Starting generation: 678
Starting generation: 679
Starting generation: 680
Starting generation: 681
Starting generation: 682
Starting generation: 683
Starting generation: 684
Starting generation: 685
Starting generation: 686
Starting generation: 687
Starting generation: 688
Starting generation: 689
Starting generation: 690
Starting generation: 691
Starting generation: 692
Starting generation: 693
Starting generation: 694

Starting generation: 695
Starting generation: 696
Starting generation: 697
Starting generation: 698
Starting generation: 699
Starting generation: 700
Starting generation: 701
Starting generation: 702
Starting generation: 703
Starting generation: 704
Starting generation: 705
Starting generation: 706
Starting generation: 707
Starting generation: 708
Starting generation: 709
Starting generation: 710
Starting generation: 711
Starting generation: 712
Starting generation: 713
Starting generation: 714
Starting generation: 715
Starting generation: 716
Starting generation: 717
Starting generation: 718
Starting generation: 719
Starting generation: 720
Starting generation: 721
Starting generation: 722
Starting generation: 723
Starting generation: 724
Starting generation: 725
Starting generation: 726
Starting generation: 727
Starting generation: 728
Starting generation: 729
Starting generation: 730
Starting generation: 731
Starting generation: 732
Starting generation: 733
Starting generation: 734
Starting generation: 735
Starting generation: 736
Starting generation: 737
Starting generation: 738
Starting generation: 739
Starting generation: 740
Starting generation: 741
Starting generation: 742

Starting generation: 743
Starting generation: 744
Starting generation: 745
Starting generation: 746
Starting generation: 747
Starting generation: 748
Starting generation: 749
Starting generation: 750
Starting generation: 751
Starting generation: 752
Starting generation: 753
Starting generation: 754
Starting generation: 755
Starting generation: 756
Starting generation: 757
Starting generation: 758
Starting generation: 759
Starting generation: 760
Starting generation: 761
Starting generation: 762
Starting generation: 763
Starting generation: 764
Starting generation: 765
Starting generation: 766
Starting generation: 767
Starting generation: 768
Starting generation: 769
Starting generation: 770
Starting generation: 771
Starting generation: 772
Starting generation: 773
Starting generation: 774
Starting generation: 775
Starting generation: 776
Starting generation: 777
Starting generation: 778
Starting generation: 779
Starting generation: 780
Starting generation: 781
Starting generation: 782
Starting generation: 783
Starting generation: 784
Starting generation: 785
Starting generation: 786
Starting generation: 787
Starting generation: 788
Starting generation: 789
Starting generation: 790

Starting generation: 791
Starting generation: 792
Starting generation: 793
Starting generation: 794
Starting generation: 795
Starting generation: 796
Starting generation: 797
Starting generation: 798
Starting generation: 799
Starting generation: 800
Starting generation: 801
Starting generation: 802
Starting generation: 803
Starting generation: 804
Starting generation: 805
Starting generation: 806
Starting generation: 807
Starting generation: 808
Starting generation: 809
Starting generation: 810
Starting generation: 811
Starting generation: 812
Starting generation: 813
Starting generation: 814
Starting generation: 815
Starting generation: 816
Starting generation: 817
Starting generation: 818
Starting generation: 819
Starting generation: 820
Starting generation: 821
Starting generation: 822
Starting generation: 823
Starting generation: 824
Starting generation: 825
Starting generation: 826
Starting generation: 827
Starting generation: 828
Starting generation: 829
Starting generation: 830
Starting generation: 831
Starting generation: 832
Starting generation: 833
Starting generation: 834
Starting generation: 835
Starting generation: 836
Starting generation: 837
Starting generation: 838

Starting generation: 839
Starting generation: 840
Starting generation: 841
Starting generation: 842
Starting generation: 843
Starting generation: 844
Starting generation: 845
Starting generation: 846
Starting generation: 847
Starting generation: 848
Starting generation: 849
Starting generation: 850
Starting generation: 851
Starting generation: 852
Starting generation: 853
Starting generation: 854
Starting generation: 855
Starting generation: 856
Starting generation: 857
Starting generation: 858
Starting generation: 859
Starting generation: 860
Starting generation: 861
Starting generation: 862
Starting generation: 863
Starting generation: 864
Starting generation: 865
Starting generation: 866
Starting generation: 867
Starting generation: 868
Starting generation: 869
Starting generation: 870
Starting generation: 871
Starting generation: 872
Starting generation: 873
Starting generation: 874
Starting generation: 875
Starting generation: 876
Starting generation: 877
Starting generation: 878
Starting generation: 879
Starting generation: 880
Starting generation: 881
Starting generation: 882
Starting generation: 883
Starting generation: 884
Starting generation: 885
Starting generation: 886

Starting generation: 887
Starting generation: 888
Starting generation: 889
Starting generation: 890
Starting generation: 891
Starting generation: 892
Starting generation: 893
Starting generation: 894
Starting generation: 895
Starting generation: 896
Starting generation: 897
Starting generation: 898
Starting generation: 899
Starting generation: 900
Starting generation: 901
Starting generation: 902
Starting generation: 903
Starting generation: 904
Starting generation: 905
Starting generation: 906
Starting generation: 907
Starting generation: 908
Starting generation: 909
Starting generation: 910
Starting generation: 911
Starting generation: 912
Starting generation: 913
Starting generation: 914
Starting generation: 915
Starting generation: 916
Starting generation: 917
Starting generation: 918
Starting generation: 919
Starting generation: 920
Starting generation: 921
Starting generation: 922
Starting generation: 923
Starting generation: 924
Starting generation: 925
Starting generation: 926
Starting generation: 927
Starting generation: 928
Starting generation: 929
Starting generation: 930
Starting generation: 931
Starting generation: 932
Starting generation: 933
Starting generation: 934

Starting generation: 935
Starting generation: 936
Starting generation: 937
Starting generation: 938
Starting generation: 939
Starting generation: 940
Starting generation: 941
Starting generation: 942
Starting generation: 943
Starting generation: 944
Starting generation: 945
Starting generation: 946
Starting generation: 947
Starting generation: 948
Starting generation: 949
Starting generation: 950
Starting generation: 951
Starting generation: 952
Starting generation: 953
Starting generation: 954
Starting generation: 955
Starting generation: 956
Starting generation: 957
Starting generation: 958
Starting generation: 959
Starting generation: 960
Starting generation: 961
Starting generation: 962
Starting generation: 963
Starting generation: 964
Starting generation: 965
Starting generation: 966
Starting generation: 967
Starting generation: 968
Starting generation: 969
Starting generation: 970
Starting generation: 971
Starting generation: 972
Starting generation: 973
Starting generation: 974
Starting generation: 975
Starting generation: 976
Starting generation: 977
Starting generation: 978
Starting generation: 979
Starting generation: 980
Starting generation: 981
Starting generation: 982

Starting generation: 983
Starting generation: 984
Starting generation: 985
Starting generation: 986
Starting generation: 987
Starting generation: 988
Starting generation: 989
Starting generation: 990
Starting generation: 991
Starting generation: 992
Starting generation: 993
Starting generation: 994
Starting generation: 995
Starting generation: 996
Starting generation: 997
Starting generation: 998
Starting generation: 999
Starting generation: 1000
Starting generation: 1001
Starting generation: 1002
Starting generation: 1003
Starting generation: 1004
Starting generation: 1005
Starting generation: 1006
Starting generation: 1007
Starting generation: 1008
Starting generation: 1009
Starting generation: 1010
Starting generation: 1011
Starting generation: 1012
Starting generation: 1013
Starting generation: 1014
Starting generation: 1015
Starting generation: 1016
Starting generation: 1017
Starting generation: 1018
Starting generation: 1019
Starting generation: 1020
Starting generation: 1021
Starting generation: 1022
Starting generation: 1023
Starting generation: 1024
Starting generation: 1025
Starting generation: 1026
Starting generation: 1027
Starting generation: 1028
Starting generation: 1029
Starting generation: 1030

Starting generation: 1031
Starting generation: 1032
Starting generation: 1033
Starting generation: 1034
Starting generation: 1035
Starting generation: 1036
Starting generation: 1037
Starting generation: 1038
Starting generation: 1039
Starting generation: 1040
Starting generation: 1041
Starting generation: 1042
Starting generation: 1043
Starting generation: 1044
Starting generation: 1045
Starting generation: 1046
Starting generation: 1047
Starting generation: 1048
Starting generation: 1049
Starting generation: 1050
Starting generation: 1051
Starting generation: 1052
Starting generation: 1053
Starting generation: 1054
Starting generation: 1055
Starting generation: 1056
Starting generation: 1057
Starting generation: 1058
Starting generation: 1059
Starting generation: 1060
Starting generation: 1061
Starting generation: 1062
Starting generation: 1063
Starting generation: 1064
Starting generation: 1065
Starting generation: 1066
Starting generation: 1067
Starting generation: 1068
Starting generation: 1069
Starting generation: 1070
Starting generation: 1071
Starting generation: 1072
Starting generation: 1073
Starting generation: 1074
Starting generation: 1075
Starting generation: 1076
Starting generation: 1077
Starting generation: 1078

Starting generation: 1079
Starting generation: 1080
Starting generation: 1081
Starting generation: 1082
Starting generation: 1083
Starting generation: 1084
Starting generation: 1085
Starting generation: 1086
Starting generation: 1087
Starting generation: 1088
Starting generation: 1089
Starting generation: 1090
Starting generation: 1091
Starting generation: 1092
Starting generation: 1093
Starting generation: 1094
Starting generation: 1095
Starting generation: 1096
Starting generation: 1097
Starting generation: 1098
Starting generation: 1099
Starting generation: 1100
Starting generation: 1101
Starting generation: 1102
Starting generation: 1103
Starting generation: 1104
Starting generation: 1105
Starting generation: 1106
Starting generation: 1107
Starting generation: 1108
Starting generation: 1109
Starting generation: 1110
Starting generation: 1111
Starting generation: 1112
Starting generation: 1113
Starting generation: 1114
Starting generation: 1115
Starting generation: 1116
Starting generation: 1117
Starting generation: 1118
Starting generation: 1119
Starting generation: 1120
Starting generation: 1121
Starting generation: 1122
Starting generation: 1123
Starting generation: 1124
Starting generation: 1125
Starting generation: 1126

Starting generation: 1127
Starting generation: 1128
Starting generation: 1129
Starting generation: 1130
Starting generation: 1131
Starting generation: 1132
Starting generation: 1133
Starting generation: 1134
Starting generation: 1135
Starting generation: 1136
Starting generation: 1137
Starting generation: 1138
Starting generation: 1139
Starting generation: 1140
Starting generation: 1141
Starting generation: 1142
Starting generation: 1143
Starting generation: 1144
Starting generation: 1145
Starting generation: 1146
Starting generation: 1147
Starting generation: 1148
Starting generation: 1149
Starting generation: 1150
Starting generation: 1151
Starting generation: 1152
Starting generation: 1153
Starting generation: 1154
Starting generation: 1155
Starting generation: 1156
Starting generation: 1157
Starting generation: 1158
Starting generation: 1159
Starting generation: 1160
Starting generation: 1161
Starting generation: 1162
Starting generation: 1163
Starting generation: 1164
Starting generation: 1165
Starting generation: 1166
Starting generation: 1167
Starting generation: 1168
Starting generation: 1169
Starting generation: 1170
Starting generation: 1171
Starting generation: 1172
Starting generation: 1173
Starting generation: 1174

Starting generation: 1175
Starting generation: 1176
Starting generation: 1177
Starting generation: 1178
Starting generation: 1179
Starting generation: 1180
Starting generation: 1181
Starting generation: 1182
Starting generation: 1183
Starting generation: 1184
Starting generation: 1185
Starting generation: 1186
Starting generation: 1187
Starting generation: 1188
Starting generation: 1189
Starting generation: 1190
Starting generation: 1191
Starting generation: 1192
Starting generation: 1193
Starting generation: 1194
Starting generation: 1195
Starting generation: 1196
Starting generation: 1197
Starting generation: 1198
Starting generation: 1199
Starting generation: 1200
Starting generation: 1201
Starting generation: 1202
Starting generation: 1203
Starting generation: 1204
Starting generation: 1205
Starting generation: 1206
Starting generation: 1207
Starting generation: 1208
Starting generation: 1209
Starting generation: 1210
Starting generation: 1211
Starting generation: 1212
Starting generation: 1213
Starting generation: 1214
Starting generation: 1215
Starting generation: 1216
Starting generation: 1217
Starting generation: 1218
Starting generation: 1219
Starting generation: 1220
Starting generation: 1221
Starting generation: 1222

Starting generation: 1223
Starting generation: 1224
Starting generation: 1225
Starting generation: 1226
Starting generation: 1227
Starting generation: 1228
Starting generation: 1229
Starting generation: 1230
Starting generation: 1231
Starting generation: 1232
Starting generation: 1233
Starting generation: 1234
Starting generation: 1235
Starting generation: 1236
Starting generation: 1237
Starting generation: 1238
Starting generation: 1239
Starting generation: 1240
Starting generation: 1241
Starting generation: 1242
Starting generation: 1243
Starting generation: 1244
Starting generation: 1245
Starting generation: 1246
Starting generation: 1247
Starting generation: 1248
Starting generation: 1249
Starting generation: 1250
Starting generation: 1251
Starting generation: 1252
Starting generation: 1253
Starting generation: 1254
Starting generation: 1255
Starting generation: 1256
Starting generation: 1257
Starting generation: 1258
Starting generation: 1259
Starting generation: 1260
Starting generation: 1261
Starting generation: 1262
Starting generation: 1263
Starting generation: 1264
Starting generation: 1265
Starting generation: 1266
Starting generation: 1267
Starting generation: 1268
Starting generation: 1269
Starting generation: 1270

Starting generation: 1271
Starting generation: 1272
Starting generation: 1273
Starting generation: 1274
Starting generation: 1275
Starting generation: 1276
Starting generation: 1277
Starting generation: 1278
Starting generation: 1279
Starting generation: 1280
Starting generation: 1281
Starting generation: 1282
Starting generation: 1283
Starting generation: 1284
Starting generation: 1285
Starting generation: 1286
Starting generation: 1287
Starting generation: 1288
Starting generation: 1289
Starting generation: 1290
Starting generation: 1291
Starting generation: 1292
Starting generation: 1293
Starting generation: 1294
Starting generation: 1295
Starting generation: 1296
Starting generation: 1297
Starting generation: 1298
Starting generation: 1299
Starting generation: 1300
Starting generation: 1301
Starting generation: 1302
Starting generation: 1303
Starting generation: 1304
Starting generation: 1305
Starting generation: 1306
Starting generation: 1307
Starting generation: 1308
Starting generation: 1309
Starting generation: 1310
Starting generation: 1311
Starting generation: 1312
Starting generation: 1313
Starting generation: 1314
Starting generation: 1315
Starting generation: 1316
Starting generation: 1317
Starting generation: 1318

Starting generation: 1319
Starting generation: 1320
Starting generation: 1321
Starting generation: 1322
Starting generation: 1323
Starting generation: 1324
Starting generation: 1325
Starting generation: 1326
Starting generation: 1327
Starting generation: 1328
Starting generation: 1329
Starting generation: 1330
Starting generation: 1331
Starting generation: 1332
Starting generation: 1333
Starting generation: 1334
Starting generation: 1335
Starting generation: 1336
Starting generation: 1337
Starting generation: 1338
Starting generation: 1339
Starting generation: 1340
Starting generation: 1341
Starting generation: 1342
Starting generation: 1343
Starting generation: 1344
Starting generation: 1345
Starting generation: 1346
Starting generation: 1347
Starting generation: 1348
Starting generation: 1349
Starting generation: 1350
Starting generation: 1351
Starting generation: 1352
Starting generation: 1353
Starting generation: 1354
Starting generation: 1355
Starting generation: 1356
Starting generation: 1357
Starting generation: 1358
Starting generation: 1359
Starting generation: 1360
Starting generation: 1361
Starting generation: 1362
Starting generation: 1363
Starting generation: 1364
Starting generation: 1365
Starting generation: 1366

Starting generation: 1367
Starting generation: 1368
Starting generation: 1369
Starting generation: 1370
Starting generation: 1371
Starting generation: 1372
Starting generation: 1373
Starting generation: 1374
Starting generation: 1375
Starting generation: 1376
Starting generation: 1377
Starting generation: 1378
Starting generation: 1379
Starting generation: 1380
Starting generation: 1381
Starting generation: 1382
Starting generation: 1383
Starting generation: 1384
Starting generation: 1385
Starting generation: 1386
Starting generation: 1387
Starting generation: 1388
Starting generation: 1389
Starting generation: 1390
Starting generation: 1391
Starting generation: 1392
Starting generation: 1393
Starting generation: 1394
Starting generation: 1395
Starting generation: 1396
Starting generation: 1397
Starting generation: 1398
Starting generation: 1399
Starting generation: 1400
Starting generation: 1401
Starting generation: 1402
Starting generation: 1403
Starting generation: 1404
Starting generation: 1405
Starting generation: 1406
Starting generation: 1407
Starting generation: 1408
Starting generation: 1409
Starting generation: 1410
Starting generation: 1411
Starting generation: 1412
Starting generation: 1413
Starting generation: 1414

Starting generation: 1415
Starting generation: 1416
Starting generation: 1417
Starting generation: 1418
Starting generation: 1419
Starting generation: 1420
Starting generation: 1421
Starting generation: 1422
Starting generation: 1423
Starting generation: 1424
Starting generation: 1425
Starting generation: 1426
Starting generation: 1427
Starting generation: 1428
Starting generation: 1429
Starting generation: 1430
Starting generation: 1431
Starting generation: 1432
Starting generation: 1433
Starting generation: 1434
Starting generation: 1435
Starting generation: 1436
Starting generation: 1437
Starting generation: 1438
Starting generation: 1439
Starting generation: 1440
Starting generation: 1441
Starting generation: 1442
Starting generation: 1443
Starting generation: 1444
Starting generation: 1445
Starting generation: 1446
Starting generation: 1447
Starting generation: 1448
Starting generation: 1449
Starting generation: 1450
Starting generation: 1451
Starting generation: 1452
Starting generation: 1453
Starting generation: 1454
Starting generation: 1455
Starting generation: 1456
Starting generation: 1457
Starting generation: 1458
Starting generation: 1459
Starting generation: 1460
Starting generation: 1461
Starting generation: 1462

Starting generation: 1463
Starting generation: 1464
Starting generation: 1465
Starting generation: 1466
Starting generation: 1467
Starting generation: 1468
Starting generation: 1469
Starting generation: 1470
Starting generation: 1471
Starting generation: 1472
Starting generation: 1473
Starting generation: 1474
Starting generation: 1475
Starting generation: 1476
Starting generation: 1477
Starting generation: 1478
Starting generation: 1479
Starting generation: 1480
Starting generation: 1481
Starting generation: 1482
Starting generation: 1483
Starting generation: 1484
Starting generation: 1485
Starting generation: 1486
Starting generation: 1487
Starting generation: 1488
Starting generation: 1489
Starting generation: 1490
Starting generation: 1491
Starting generation: 1492
Starting generation: 1493
Starting generation: 1494
Starting generation: 1495
Starting generation: 1496
Starting generation: 1497
Starting generation: 1498
Starting generation: 1499
Starting generation: 1500
Starting generation: 1501
Starting generation: 1502
Starting generation: 1503
Starting generation: 1504
Starting generation: 1505
Starting generation: 1506
Starting generation: 1507
Starting generation: 1508
Starting generation: 1509
Starting generation: 1510

Starting generation: 1511
Starting generation: 1512
Starting generation: 1513
Starting generation: 1514
Starting generation: 1515
Starting generation: 1516
Starting generation: 1517
Starting generation: 1518
Starting generation: 1519
Starting generation: 1520
Starting generation: 1521
Starting generation: 1522
Starting generation: 1523
Starting generation: 1524
Starting generation: 1525
Starting generation: 1526
Starting generation: 1527
Starting generation: 1528
Starting generation: 1529
Starting generation: 1530
Starting generation: 1531
Starting generation: 1532
Starting generation: 1533
Starting generation: 1534
Starting generation: 1535
Starting generation: 1536
Starting generation: 1537
Starting generation: 1538
Starting generation: 1539
Starting generation: 1540
Starting generation: 1541
Starting generation: 1542
Starting generation: 1543
Starting generation: 1544
Starting generation: 1545
Starting generation: 1546
Starting generation: 1547
Starting generation: 1548
Starting generation: 1549
Starting generation: 1550
Starting generation: 1551
Starting generation: 1552
Starting generation: 1553
Starting generation: 1554
Starting generation: 1555
Starting generation: 1556
Starting generation: 1557
Starting generation: 1558

Starting generation: 1559
Starting generation: 1560
Starting generation: 1561
Starting generation: 1562
Starting generation: 1563
Starting generation: 1564
Starting generation: 1565
Starting generation: 1566
Starting generation: 1567
Starting generation: 1568
Starting generation: 1569
Starting generation: 1570
Starting generation: 1571
Starting generation: 1572
Starting generation: 1573
Starting generation: 1574
Starting generation: 1575
Starting generation: 1576
Starting generation: 1577
Starting generation: 1578
Starting generation: 1579
Starting generation: 1580
Starting generation: 1581
Starting generation: 1582
Starting generation: 1583
Starting generation: 1584
Starting generation: 1585
Starting generation: 1586
Starting generation: 1587
Starting generation: 1588
Starting generation: 1589
Starting generation: 1590
Starting generation: 1591
Starting generation: 1592
Starting generation: 1593
Starting generation: 1594
Starting generation: 1595
Starting generation: 1596
Starting generation: 1597
Starting generation: 1598
Starting generation: 1599
Starting generation: 1600
Starting generation: 1601
Starting generation: 1602
Starting generation: 1603
Starting generation: 1604
Starting generation: 1605
Starting generation: 1606

Starting generation: 1607
Starting generation: 1608
Starting generation: 1609
Starting generation: 1610
Starting generation: 1611
Starting generation: 1612
Starting generation: 1613
Starting generation: 1614
Starting generation: 1615
Starting generation: 1616
Starting generation: 1617
Starting generation: 1618
Starting generation: 1619
Starting generation: 1620
Starting generation: 1621
Starting generation: 1622
Starting generation: 1623
Starting generation: 1624
Starting generation: 1625
Starting generation: 1626
Starting generation: 1627
Starting generation: 1628
Starting generation: 1629
Starting generation: 1630
Starting generation: 1631
Starting generation: 1632
Starting generation: 1633
Starting generation: 1634
Starting generation: 1635
Starting generation: 1636
Starting generation: 1637
Starting generation: 1638
Starting generation: 1639
Starting generation: 1640
Starting generation: 1641
Starting generation: 1642
Starting generation: 1643
Starting generation: 1644
Starting generation: 1645
Starting generation: 1646
Starting generation: 1647
Starting generation: 1648
Starting generation: 1649
Starting generation: 1650
Starting generation: 1651
Starting generation: 1652
Starting generation: 1653
Starting generation: 1654

Starting generation: 1655
Starting generation: 1656
Starting generation: 1657
Starting generation: 1658
Starting generation: 1659
Starting generation: 1660
Starting generation: 1661
Starting generation: 1662
Starting generation: 1663
Starting generation: 1664
Starting generation: 1665
Starting generation: 1666
Starting generation: 1667
Starting generation: 1668
Starting generation: 1669
Starting generation: 1670
Starting generation: 1671
Starting generation: 1672
Starting generation: 1673
Starting generation: 1674
Starting generation: 1675
Starting generation: 1676
Starting generation: 1677
Starting generation: 1678
Starting generation: 1679
Starting generation: 1680
Starting generation: 1681
Starting generation: 1682
Starting generation: 1683
Starting generation: 1684
Starting generation: 1685
Starting generation: 1686
Starting generation: 1687
Starting generation: 1688
Starting generation: 1689
Starting generation: 1690
Starting generation: 1691
Starting generation: 1692
Starting generation: 1693
Starting generation: 1694
Starting generation: 1695
Starting generation: 1696
Starting generation: 1697
Starting generation: 1698
Starting generation: 1699
Starting generation: 1700
Starting generation: 1701
Starting generation: 1702

Starting generation: 1703
Starting generation: 1704
Starting generation: 1705
Starting generation: 1706
Starting generation: 1707
Starting generation: 1708
Starting generation: 1709
Starting generation: 1710
Starting generation: 1711
Starting generation: 1712
Starting generation: 1713
Starting generation: 1714
Starting generation: 1715
Starting generation: 1716
Starting generation: 1717
Starting generation: 1718
Starting generation: 1719
Starting generation: 1720
Starting generation: 1721
Starting generation: 1722
Starting generation: 1723
Starting generation: 1724
Starting generation: 1725
Starting generation: 1726
Starting generation: 1727
Starting generation: 1728
Starting generation: 1729
Starting generation: 1730
Starting generation: 1731
Starting generation: 1732
Starting generation: 1733
Starting generation: 1734
Starting generation: 1735
Starting generation: 1736
Starting generation: 1737
Starting generation: 1738
Starting generation: 1739
Starting generation: 1740
Starting generation: 1741
Starting generation: 1742
Starting generation: 1743
Starting generation: 1744
Starting generation: 1745
Starting generation: 1746
Starting generation: 1747
Starting generation: 1748
Starting generation: 1749
Starting generation: 1750

Starting generation: 1751
Starting generation: 1752
Starting generation: 1753
Starting generation: 1754
Starting generation: 1755
Starting generation: 1756
Starting generation: 1757
Starting generation: 1758
Starting generation: 1759
Starting generation: 1760
Starting generation: 1761
Starting generation: 1762
Starting generation: 1763
Starting generation: 1764
Starting generation: 1765
Starting generation: 1766
Starting generation: 1767
Starting generation: 1768
Starting generation: 1769
Starting generation: 1770
Starting generation: 1771
Starting generation: 1772
Starting generation: 1773
Starting generation: 1774
Starting generation: 1775
Starting generation: 1776
Starting generation: 1777
Starting generation: 1778
Starting generation: 1779
Starting generation: 1780
Starting generation: 1781
Starting generation: 1782
Starting generation: 1783
Starting generation: 1784
Starting generation: 1785
Starting generation: 1786
Starting generation: 1787
Starting generation: 1788
Starting generation: 1789
Starting generation: 1790
Starting generation: 1791
Starting generation: 1792
Starting generation: 1793
Starting generation: 1794
Starting generation: 1795
Starting generation: 1796
Starting generation: 1797
Starting generation: 1798

Starting generation: 1799
Starting generation: 1800
Starting generation: 1801
Starting generation: 1802
Starting generation: 1803
Starting generation: 1804
Starting generation: 1805
Starting generation: 1806
Starting generation: 1807
Starting generation: 1808
Starting generation: 1809
Starting generation: 1810
Starting generation: 1811
Starting generation: 1812
Starting generation: 1813
Starting generation: 1814
Starting generation: 1815
Starting generation: 1816
Starting generation: 1817
Starting generation: 1818
Starting generation: 1819
Starting generation: 1820
Starting generation: 1821
Starting generation: 1822
Starting generation: 1823
Starting generation: 1824
Starting generation: 1825
Starting generation: 1826
Starting generation: 1827
Starting generation: 1828
Starting generation: 1829
Starting generation: 1830
Starting generation: 1831
Starting generation: 1832
Starting generation: 1833
Starting generation: 1834
Starting generation: 1835
Starting generation: 1836
Starting generation: 1837
Starting generation: 1838
Starting generation: 1839
Starting generation: 1840
Starting generation: 1841
Starting generation: 1842
Starting generation: 1843
Starting generation: 1844
Starting generation: 1845
Starting generation: 1846

Starting generation: 1847
Starting generation: 1848
Starting generation: 1849
Starting generation: 1850
Starting generation: 1851
Starting generation: 1852
Starting generation: 1853
Starting generation: 1854
Starting generation: 1855
Starting generation: 1856
Starting generation: 1857
Starting generation: 1858
Starting generation: 1859
Starting generation: 1860
Starting generation: 1861
Starting generation: 1862
Starting generation: 1863
Starting generation: 1864
Starting generation: 1865
Starting generation: 1866
Starting generation: 1867
Starting generation: 1868
Starting generation: 1869
Starting generation: 1870
Starting generation: 1871
Starting generation: 1872
Starting generation: 1873
Starting generation: 1874
Starting generation: 1875
Starting generation: 1876
Starting generation: 1877
Starting generation: 1878
Starting generation: 1879
Starting generation: 1880
Starting generation: 1881
Starting generation: 1882
Starting generation: 1883
Starting generation: 1884
Starting generation: 1885
Starting generation: 1886
Starting generation: 1887
Starting generation: 1888
Starting generation: 1889
Starting generation: 1890
Starting generation: 1891
Starting generation: 1892
Starting generation: 1893
Starting generation: 1894

Starting generation: 1895
Starting generation: 1896
Starting generation: 1897
Starting generation: 1898
Starting generation: 1899
Starting generation: 1900
Starting generation: 1901
Starting generation: 1902
Starting generation: 1903
Starting generation: 1904
Starting generation: 1905
Starting generation: 1906
Starting generation: 1907
Starting generation: 1908
Starting generation: 1909
Starting generation: 1910
Starting generation: 1911
Starting generation: 1912
Starting generation: 1913
Starting generation: 1914
Starting generation: 1915
Starting generation: 1916
Starting generation: 1917
Starting generation: 1918
Starting generation: 1919
Starting generation: 1920
Starting generation: 1921
Starting generation: 1922
Starting generation: 1923
Starting generation: 1924
Starting generation: 1925
Starting generation: 1926
Starting generation: 1927
Starting generation: 1928
Starting generation: 1929
Starting generation: 1930
Starting generation: 1931
Starting generation: 1932
Starting generation: 1933
Starting generation: 1934
Starting generation: 1935
Starting generation: 1936
Starting generation: 1937
Starting generation: 1938
Starting generation: 1939
Starting generation: 1940
Starting generation: 1941
Starting generation: 1942

Starting generation: 1943
Starting generation: 1944
Starting generation: 1945
Starting generation: 1946
Starting generation: 1947
Starting generation: 1948
Starting generation: 1949
Starting generation: 1950
Starting generation: 1951
Starting generation: 1952
Starting generation: 1953
Starting generation: 1954
Starting generation: 1955
Starting generation: 1956
Starting generation: 1957
Starting generation: 1958
Starting generation: 1959
Starting generation: 1960
Starting generation: 1961
Starting generation: 1962
Starting generation: 1963
Starting generation: 1964
Starting generation: 1965
Starting generation: 1966
Starting generation: 1967
Starting generation: 1968
Starting generation: 1969
Starting generation: 1970
Starting generation: 1971
Starting generation: 1972
Starting generation: 1973
Starting generation: 1974
Starting generation: 1975
Starting generation: 1976
Starting generation: 1977
Starting generation: 1978
Starting generation: 1979
Starting generation: 1980
Starting generation: 1981
Starting generation: 1982
Starting generation: 1983
Starting generation: 1984
Starting generation: 1985
Starting generation: 1986
Starting generation: 1987
Starting generation: 1988
Starting generation: 1989
Starting generation: 1990

Starting generation: 1991
Starting generation: 1992
Starting generation: 1993
Starting generation: 1994
Starting generation: 1995
Starting generation: 1996
Starting generation: 1997
Starting generation: 1998
Starting generation: 1999
Starting generation: 2000
Starting generation: 2001
Starting generation: 2002
Starting generation: 2003
Starting generation: 2004
Starting generation: 2005
Starting generation: 2006
Starting generation: 2007
Starting generation: 2008
Starting generation: 2009
Starting generation: 2010
Starting generation: 2011
Starting generation: 2012
Starting generation: 2013
Starting generation: 2014
Starting generation: 2015
Starting generation: 2016
Starting generation: 2017
Starting generation: 2018
Starting generation: 2019
Starting generation: 2020
Starting generation: 2021
Starting generation: 2022
Starting generation: 2023
Starting generation: 2024
Starting generation: 2025
Starting generation: 2026
Starting generation: 2027
Starting generation: 2028
Starting generation: 2029
Starting generation: 2030
Starting generation: 2031
Starting generation: 2032
Starting generation: 2033
Starting generation: 2034
Starting generation: 2035
Starting generation: 2036
Starting generation: 2037
Starting generation: 2038

Starting generation: 2039
Starting generation: 2040
Starting generation: 2041
Starting generation: 2042
Starting generation: 2043
Starting generation: 2044
Starting generation: 2045
Starting generation: 2046
Starting generation: 2047
Starting generation: 2048
Starting generation: 2049
Starting generation: 2050
Starting generation: 2051
Starting generation: 2052
Starting generation: 2053
Starting generation: 2054
Starting generation: 2055
Starting generation: 2056
Starting generation: 2057
Starting generation: 2058
Starting generation: 2059
Starting generation: 2060
Starting generation: 2061
Starting generation: 2062
Starting generation: 2063
Starting generation: 2064
Starting generation: 2065
Starting generation: 2066
Starting generation: 2067
Starting generation: 2068
Starting generation: 2069
Starting generation: 2070
Starting generation: 2071
Starting generation: 2072
Starting generation: 2073
Starting generation: 2074
Starting generation: 2075
Starting generation: 2076
Starting generation: 2077
Starting generation: 2078
Starting generation: 2079
Starting generation: 2080
Starting generation: 2081
Starting generation: 2082
Starting generation: 2083
Starting generation: 2084
Starting generation: 2085
Starting generation: 2086

Starting generation: 2087
Starting generation: 2088
Starting generation: 2089
Starting generation: 2090
Starting generation: 2091
Starting generation: 2092
Starting generation: 2093
Starting generation: 2094
Starting generation: 2095
Starting generation: 2096
Starting generation: 2097
Starting generation: 2098
Starting generation: 2099
Starting generation: 2100
Starting generation: 2101
Starting generation: 2102
Starting generation: 2103
Starting generation: 2104
Starting generation: 2105
Starting generation: 2106
Starting generation: 2107
Starting generation: 2108
Starting generation: 2109
Starting generation: 2110
Starting generation: 2111
Starting generation: 2112
Starting generation: 2113
Starting generation: 2114
Starting generation: 2115
Starting generation: 2116
Starting generation: 2117
Starting generation: 2118
Starting generation: 2119
Starting generation: 2120
Starting generation: 2121
Starting generation: 2122
Starting generation: 2123
Starting generation: 2124
Starting generation: 2125
Starting generation: 2126
Starting generation: 2127
Starting generation: 2128
Starting generation: 2129
Starting generation: 2130
Starting generation: 2131
Starting generation: 2132
Starting generation: 2133
Starting generation: 2134

Starting generation: 2135
Starting generation: 2136
Starting generation: 2137
Starting generation: 2138
Starting generation: 2139
Starting generation: 2140
Starting generation: 2141
Starting generation: 2142
Starting generation: 2143
Starting generation: 2144
Starting generation: 2145
Starting generation: 2146
Starting generation: 2147
Starting generation: 2148
Starting generation: 2149
Starting generation: 2150
Starting generation: 2151
Starting generation: 2152
Starting generation: 2153
Starting generation: 2154
Starting generation: 2155
Starting generation: 2156
Starting generation: 2157
Starting generation: 2158
Starting generation: 2159
Starting generation: 2160
Starting generation: 2161
Starting generation: 2162
Starting generation: 2163
Starting generation: 2164
Starting generation: 2165
Starting generation: 2166
Starting generation: 2167
Starting generation: 2168
Starting generation: 2169
Starting generation: 2170
Starting generation: 2171
Starting generation: 2172
Starting generation: 2173
Starting generation: 2174
Starting generation: 2175
Starting generation: 2176
Starting generation: 2177
Starting generation: 2178
Starting generation: 2179
Starting generation: 2180
Starting generation: 2181
Starting generation: 2182

Starting generation: 2183
Starting generation: 2184
Starting generation: 2185
Starting generation: 2186
Starting generation: 2187
Starting generation: 2188
Starting generation: 2189
Starting generation: 2190
Starting generation: 2191
Starting generation: 2192
Starting generation: 2193
Starting generation: 2194
Starting generation: 2195
Starting generation: 2196
Starting generation: 2197
Starting generation: 2198
Starting generation: 2199
Starting generation: 2200
Starting generation: 2201
Starting generation: 2202
Starting generation: 2203
Starting generation: 2204
Starting generation: 2205
Starting generation: 2206
Starting generation: 2207
Starting generation: 2208
Starting generation: 2209
Starting generation: 2210
Starting generation: 2211
Starting generation: 2212
Starting generation: 2213
Starting generation: 2214
Starting generation: 2215
Starting generation: 2216
Starting generation: 2217
Starting generation: 2218
Starting generation: 2219
Starting generation: 2220
Starting generation: 2221
Starting generation: 2222
Starting generation: 2223
Starting generation: 2224
Starting generation: 2225
Starting generation: 2226
Starting generation: 2227
Starting generation: 2228
Starting generation: 2229
Starting generation: 2230

Starting generation: 2231
Starting generation: 2232
Starting generation: 2233
Starting generation: 2234
Starting generation: 2235
Starting generation: 2236
Starting generation: 2237
Starting generation: 2238
Starting generation: 2239
Starting generation: 2240
Starting generation: 2241
Starting generation: 2242
Starting generation: 2243
Starting generation: 2244
Starting generation: 2245
Starting generation: 2246
Starting generation: 2247
Starting generation: 2248
Starting generation: 2249
Starting generation: 2250
Starting generation: 2251
Starting generation: 2252
Starting generation: 2253
Starting generation: 2254
Starting generation: 2255
Starting generation: 2256
Starting generation: 2257
Starting generation: 2258
Starting generation: 2259
Starting generation: 2260
Starting generation: 2261
Starting generation: 2262
Starting generation: 2263
Starting generation: 2264
Starting generation: 2265
Starting generation: 2266
Starting generation: 2267
Starting generation: 2268
Starting generation: 2269
Starting generation: 2270
Starting generation: 2271
Starting generation: 2272
Starting generation: 2273
Starting generation: 2274
Starting generation: 2275
Starting generation: 2276
Starting generation: 2277
Starting generation: 2278

Starting generation: 2279
Starting generation: 2280
Starting generation: 2281
Starting generation: 2282
Starting generation: 2283
Starting generation: 2284
Starting generation: 2285
Starting generation: 2286
Starting generation: 2287
Starting generation: 2288
Starting generation: 2289
Starting generation: 2290
Starting generation: 2291
Starting generation: 2292
Starting generation: 2293
Starting generation: 2294
Starting generation: 2295
Starting generation: 2296
Starting generation: 2297
Starting generation: 2298
Starting generation: 2299
Starting generation: 2300
Starting generation: 2301
Starting generation: 2302
Starting generation: 2303
Starting generation: 2304
Starting generation: 2305
Starting generation: 2306
Starting generation: 2307
Starting generation: 2308
Starting generation: 2309
Starting generation: 2310
Starting generation: 2311
Starting generation: 2312
Starting generation: 2313
Starting generation: 2314
Starting generation: 2315
Starting generation: 2316
Starting generation: 2317
Starting generation: 2318
Starting generation: 2319
Starting generation: 2320
Starting generation: 2321
Starting generation: 2322
Starting generation: 2323
Starting generation: 2324
Starting generation: 2325
Starting generation: 2326

Starting generation: 2327
Starting generation: 2328
Starting generation: 2329
Starting generation: 2330
Starting generation: 2331
Starting generation: 2332
Starting generation: 2333
Starting generation: 2334
Starting generation: 2335
Starting generation: 2336
Starting generation: 2337
Starting generation: 2338
Starting generation: 2339
Starting generation: 2340
Starting generation: 2341
Starting generation: 2342
Starting generation: 2343
Starting generation: 2344
Starting generation: 2345
Starting generation: 2346
Starting generation: 2347
Starting generation: 2348
Starting generation: 2349
Starting generation: 2350
Starting generation: 2351
Starting generation: 2352
Starting generation: 2353
Starting generation: 2354
Starting generation: 2355
Starting generation: 2356
Starting generation: 2357
Starting generation: 2358
Starting generation: 2359
Starting generation: 2360
Starting generation: 2361
Starting generation: 2362
Starting generation: 2363
Starting generation: 2364
Starting generation: 2365
Starting generation: 2366
Starting generation: 2367
Starting generation: 2368
Starting generation: 2369
Starting generation: 2370
Starting generation: 2371
Starting generation: 2372
Starting generation: 2373
Starting generation: 2374

Starting generation: 2375
Starting generation: 2376
Starting generation: 2377
Starting generation: 2378
Starting generation: 2379
Starting generation: 2380
Starting generation: 2381
Starting generation: 2382
Starting generation: 2383
Starting generation: 2384
Starting generation: 2385
Starting generation: 2386
Starting generation: 2387
Starting generation: 2388
Starting generation: 2389
Starting generation: 2390
Starting generation: 2391
Starting generation: 2392
Starting generation: 2393
Starting generation: 2394
Starting generation: 2395
Starting generation: 2396
Starting generation: 2397
Starting generation: 2398
Starting generation: 2399
Starting generation: 2400
Starting generation: 2401
Starting generation: 2402
Starting generation: 2403
Starting generation: 2404
Starting generation: 2405
Starting generation: 2406
Starting generation: 2407
Starting generation: 2408
Starting generation: 2409
Starting generation: 2410
Starting generation: 2411
Starting generation: 2412
Starting generation: 2413
Starting generation: 2414
Starting generation: 2415
Starting generation: 2416
Starting generation: 2417
Starting generation: 2418
Starting generation: 2419
Starting generation: 2420
Starting generation: 2421
Starting generation: 2422

Starting generation: 2423
Starting generation: 2424
Starting generation: 2425
Starting generation: 2426
Starting generation: 2427
Starting generation: 2428
Starting generation: 2429
Starting generation: 2430
Starting generation: 2431
Starting generation: 2432
Starting generation: 2433
Starting generation: 2434
Starting generation: 2435
Starting generation: 2436
Starting generation: 2437
Starting generation: 2438
Starting generation: 2439
Starting generation: 2440
Starting generation: 2441
Starting generation: 2442
Starting generation: 2443
Starting generation: 2444
Starting generation: 2445
Starting generation: 2446
Starting generation: 2447
Starting generation: 2448
Starting generation: 2449
Starting generation: 2450
Starting generation: 2451
Starting generation: 2452
Starting generation: 2453
Starting generation: 2454
Starting generation: 2455
Starting generation: 2456
Starting generation: 2457
Starting generation: 2458
Starting generation: 2459
Starting generation: 2460
Starting generation: 2461
Starting generation: 2462
Starting generation: 2463
Starting generation: 2464
Starting generation: 2465
Starting generation: 2466
Starting generation: 2467
Starting generation: 2468
Starting generation: 2469
Starting generation: 2470

Starting generation: 2471
Starting generation: 2472
Starting generation: 2473
Starting generation: 2474
Starting generation: 2475
Starting generation: 2476
Starting generation: 2477
Starting generation: 2478
Starting generation: 2479
Starting generation: 2480
Starting generation: 2481
Starting generation: 2482
Starting generation: 2483
Starting generation: 2484
Starting generation: 2485
Starting generation: 2486
Starting generation: 2487
Starting generation: 2488
Starting generation: 2489
Starting generation: 2490
Starting generation: 2491
Starting generation: 2492
Starting generation: 2493
Starting generation: 2494
Starting generation: 2495
Starting generation: 2496
Starting generation: 2497
Starting generation: 2498
Starting generation: 2499
Starting generation: 2500
Starting generation: 2501
Starting generation: 2502
Starting generation: 2503
Starting generation: 2504
Starting generation: 2505
Starting generation: 2506
Starting generation: 2507
Starting generation: 2508
Starting generation: 2509
Starting generation: 2510
Starting generation: 2511
Starting generation: 2512
Starting generation: 2513
Starting generation: 2514
Starting generation: 2515
Starting generation: 2516
Starting generation: 2517
Starting generation: 2518

Starting generation: 2519
Starting generation: 2520
Starting generation: 2521
Starting generation: 2522
Starting generation: 2523
Starting generation: 2524
Starting generation: 2525
Starting generation: 2526
Starting generation: 2527
Starting generation: 2528
Starting generation: 2529
Starting generation: 2530
Starting generation: 2531
Starting generation: 2532
Starting generation: 2533
Starting generation: 2534
Starting generation: 2535
Starting generation: 2536
Starting generation: 2537
Starting generation: 2538
Starting generation: 2539
Starting generation: 2540
Starting generation: 2541
Starting generation: 2542
Starting generation: 2543
Starting generation: 2544
Starting generation: 2545
Starting generation: 2546
Starting generation: 2547
Starting generation: 2548
Starting generation: 2549
Starting generation: 2550
Starting generation: 2551
Starting generation: 2552
Starting generation: 2553
Starting generation: 2554
Starting generation: 2555
Starting generation: 2556
Starting generation: 2557
Starting generation: 2558
Starting generation: 2559
Starting generation: 2560
Starting generation: 2561
Starting generation: 2562
Starting generation: 2563
Starting generation: 2564
Starting generation: 2565
Starting generation: 2566

Starting generation: 2567
Starting generation: 2568
Starting generation: 2569
Starting generation: 2570
Starting generation: 2571
Starting generation: 2572
Starting generation: 2573
Starting generation: 2574
Starting generation: 2575
Starting generation: 2576
Starting generation: 2577
Starting generation: 2578
Starting generation: 2579
Starting generation: 2580
Starting generation: 2581
Starting generation: 2582
Starting generation: 2583
Starting generation: 2584
Starting generation: 2585
Starting generation: 2586
Starting generation: 2587
Starting generation: 2588
Starting generation: 2589
Starting generation: 2590
Starting generation: 2591
Starting generation: 2592
Starting generation: 2593
Starting generation: 2594
Starting generation: 2595
Starting generation: 2596
Starting generation: 2597
Starting generation: 2598
Starting generation: 2599
Starting generation: 2600
Starting generation: 2601
Starting generation: 2602
Starting generation: 2603
Starting generation: 2604
Starting generation: 2605
Starting generation: 2606
Starting generation: 2607
Starting generation: 2608
Starting generation: 2609
Starting generation: 2610
Starting generation: 2611
Starting generation: 2612
Starting generation: 2613
Starting generation: 2614

Starting generation: 2615
Starting generation: 2616
Starting generation: 2617
Starting generation: 2618
Starting generation: 2619
Starting generation: 2620
Starting generation: 2621
Starting generation: 2622
Starting generation: 2623
Starting generation: 2624
Starting generation: 2625
Starting generation: 2626
Starting generation: 2627
Starting generation: 2628
Starting generation: 2629
Starting generation: 2630
Starting generation: 2631
Starting generation: 2632
Starting generation: 2633
Starting generation: 2634
Starting generation: 2635
Starting generation: 2636
Starting generation: 2637
Starting generation: 2638
Starting generation: 2639
Starting generation: 2640
Starting generation: 2641
Starting generation: 2642
Starting generation: 2643
Starting generation: 2644
Starting generation: 2645
Starting generation: 2646
Starting generation: 2647
Starting generation: 2648
Starting generation: 2649
Starting generation: 2650
Starting generation: 2651
Starting generation: 2652
Starting generation: 2653
Starting generation: 2654
Starting generation: 2655
Starting generation: 2656
Starting generation: 2657
Starting generation: 2658
Starting generation: 2659
Starting generation: 2660
Starting generation: 2661
Starting generation: 2662

Starting generation: 2663
Starting generation: 2664
Starting generation: 2665
Starting generation: 2666
Starting generation: 2667
Starting generation: 2668
Starting generation: 2669
Starting generation: 2670
Starting generation: 2671
Starting generation: 2672
Starting generation: 2673
Starting generation: 2674
Starting generation: 2675
Starting generation: 2676
Starting generation: 2677
Starting generation: 2678
Starting generation: 2679
Starting generation: 2680
Starting generation: 2681
Starting generation: 2682
Starting generation: 2683
Starting generation: 2684
Starting generation: 2685
Starting generation: 2686
Starting generation: 2687
Starting generation: 2688
Starting generation: 2689
Starting generation: 2690
Starting generation: 2691
Starting generation: 2692
Starting generation: 2693
Starting generation: 2694
Starting generation: 2695
Starting generation: 2696
Starting generation: 2697
Starting generation: 2698
Starting generation: 2699
Starting generation: 2700
Starting generation: 2701
Starting generation: 2702
Starting generation: 2703
Starting generation: 2704
Starting generation: 2705
Starting generation: 2706
Starting generation: 2707
Starting generation: 2708
Starting generation: 2709
Starting generation: 2710

Starting generation: 2711
Starting generation: 2712
Starting generation: 2713
Starting generation: 2714
Starting generation: 2715
Starting generation: 2716
Starting generation: 2717
Starting generation: 2718
Starting generation: 2719
Starting generation: 2720
Starting generation: 2721
Starting generation: 2722
Starting generation: 2723
Starting generation: 2724
Starting generation: 2725
Starting generation: 2726
Starting generation: 2727
Starting generation: 2728
Starting generation: 2729
Starting generation: 2730
Starting generation: 2731
Starting generation: 2732
Starting generation: 2733
Starting generation: 2734
Starting generation: 2735
Starting generation: 2736
Starting generation: 2737
Starting generation: 2738
Starting generation: 2739
Starting generation: 2740
Starting generation: 2741
Starting generation: 2742
Starting generation: 2743
Starting generation: 2744
Starting generation: 2745
Starting generation: 2746
Starting generation: 2747
Starting generation: 2748
Starting generation: 2749
Starting generation: 2750
Starting generation: 2751
Starting generation: 2752
Starting generation: 2753
Starting generation: 2754
Starting generation: 2755
Starting generation: 2756
Starting generation: 2757
Starting generation: 2758

Starting generation: 2759
Starting generation: 2760
Starting generation: 2761
Starting generation: 2762
Starting generation: 2763
Starting generation: 2764
Starting generation: 2765
Starting generation: 2766
Starting generation: 2767
Starting generation: 2768
Starting generation: 2769
Starting generation: 2770
Starting generation: 2771
Starting generation: 2772
Starting generation: 2773
Starting generation: 2774
Starting generation: 2775
Starting generation: 2776
Starting generation: 2777
Starting generation: 2778
Starting generation: 2779
Starting generation: 2780
Starting generation: 2781
Starting generation: 2782
Starting generation: 2783
Starting generation: 2784
Starting generation: 2785
Starting generation: 2786
Starting generation: 2787
Starting generation: 2788
Starting generation: 2789
Starting generation: 2790
Starting generation: 2791
Starting generation: 2792
Starting generation: 2793
Starting generation: 2794
Starting generation: 2795
Starting generation: 2796
Starting generation: 2797
Starting generation: 2798
Starting generation: 2799
Starting generation: 2800
Starting generation: 2801
Starting generation: 2802
Starting generation: 2803
Starting generation: 2804
Starting generation: 2805
Starting generation: 2806

Starting generation: 2807
Starting generation: 2808
Starting generation: 2809
Starting generation: 2810
Starting generation: 2811
Starting generation: 2812
Starting generation: 2813
Starting generation: 2814
Starting generation: 2815
Starting generation: 2816
Starting generation: 2817
Starting generation: 2818
Starting generation: 2819
Starting generation: 2820
Starting generation: 2821
Starting generation: 2822
Starting generation: 2823
Starting generation: 2824
Starting generation: 2825
Starting generation: 2826
Starting generation: 2827
Starting generation: 2828
Starting generation: 2829
Starting generation: 2830
Starting generation: 2831
Starting generation: 2832
Starting generation: 2833
Starting generation: 2834
Starting generation: 2835
Starting generation: 2836
Starting generation: 2837
Starting generation: 2838
Starting generation: 2839
Starting generation: 2840
Starting generation: 2841
Starting generation: 2842
Starting generation: 2843
Starting generation: 2844
Starting generation: 2845
Starting generation: 2846
Starting generation: 2847
Starting generation: 2848
Starting generation: 2849
Starting generation: 2850
Starting generation: 2851
Starting generation: 2852
Starting generation: 2853
Starting generation: 2854

Starting generation: 2855
Starting generation: 2856
Starting generation: 2857
Starting generation: 2858
Starting generation: 2859
Starting generation: 2860
Starting generation: 2861
Starting generation: 2862
Starting generation: 2863
Starting generation: 2864
Starting generation: 2865
Starting generation: 2866
Starting generation: 2867
Starting generation: 2868
Starting generation: 2869
Starting generation: 2870
Starting generation: 2871
Starting generation: 2872
Starting generation: 2873
Starting generation: 2874
Starting generation: 2875
Starting generation: 2876
Starting generation: 2877
Starting generation: 2878
Starting generation: 2879
Starting generation: 2880
Starting generation: 2881
Starting generation: 2882
Starting generation: 2883
Starting generation: 2884
Starting generation: 2885
Starting generation: 2886
Starting generation: 2887
Starting generation: 2888
Starting generation: 2889
Starting generation: 2890
Starting generation: 2891
Starting generation: 2892
Starting generation: 2893
Starting generation: 2894
Starting generation: 2895
Starting generation: 2896
Starting generation: 2897
Starting generation: 2898
Starting generation: 2899
Starting generation: 2900
Starting generation: 2901
Starting generation: 2902

Starting generation: 2903
Starting generation: 2904
Starting generation: 2905
Starting generation: 2906
Starting generation: 2907
Starting generation: 2908
Starting generation: 2909
Starting generation: 2910
Starting generation: 2911
Starting generation: 2912
Starting generation: 2913
Starting generation: 2914
Starting generation: 2915
Starting generation: 2916
Starting generation: 2917
Starting generation: 2918
Starting generation: 2919
Starting generation: 2920
Starting generation: 2921
Starting generation: 2922
Starting generation: 2923
Starting generation: 2924
Starting generation: 2925
Starting generation: 2926
Starting generation: 2927
Starting generation: 2928
Starting generation: 2929
Starting generation: 2930
Starting generation: 2931
Starting generation: 2932
Starting generation: 2933
Starting generation: 2934
Starting generation: 2935
Starting generation: 2936
Starting generation: 2937
Starting generation: 2938
Starting generation: 2939
Starting generation: 2940
Starting generation: 2941
Starting generation: 2942
Starting generation: 2943
Starting generation: 2944
Starting generation: 2945
Starting generation: 2946
Starting generation: 2947
Starting generation: 2948
Starting generation: 2949
Starting generation: 2950

Starting generation: 2951
Starting generation: 2952
Starting generation: 2953
Starting generation: 2954
Starting generation: 2955
Starting generation: 2956
Starting generation: 2957
Starting generation: 2958
Starting generation: 2959
Starting generation: 2960
Starting generation: 2961
Starting generation: 2962
Starting generation: 2963
Starting generation: 2964
Starting generation: 2965
Starting generation: 2966
Starting generation: 2967
Starting generation: 2968
Starting generation: 2969
Starting generation: 2970
Starting generation: 2971
Starting generation: 2972
Starting generation: 2973
Starting generation: 2974
Starting generation: 2975
Starting generation: 2976
Starting generation: 2977
Starting generation: 2978
Starting generation: 2979
Starting generation: 2980
Starting generation: 2981
Starting generation: 2982
Starting generation: 2983
Starting generation: 2984
Starting generation: 2985
Starting generation: 2986
Starting generation: 2987
Starting generation: 2988
Starting generation: 2989
Starting generation: 2990
Starting generation: 2991
Starting generation: 2992
Starting generation: 2993
Starting generation: 2994
Starting generation: 2995
Starting generation: 2996
Starting generation: 2997
Starting generation: 2998

Starting generation: 2999
Starting generation: 3000
Starting generation: 3001
Starting generation: 3002
Starting generation: 3003
Starting generation: 3004
Starting generation: 3005
Starting generation: 3006
Starting generation: 3007
Starting generation: 3008
Starting generation: 3009
Starting generation: 3010
Starting generation: 3011
Starting generation: 3012
Starting generation: 3013
Starting generation: 3014
Starting generation: 3015
Starting generation: 3016
Starting generation: 3017
Starting generation: 3018
Starting generation: 3019
Starting generation: 3020
Starting generation: 3021
Starting generation: 3022
Starting generation: 3023
Starting generation: 3024
Starting generation: 3025
Starting generation: 3026
Starting generation: 3027
Starting generation: 3028
Starting generation: 3029
Starting generation: 3030
Starting generation: 3031
Starting generation: 3032
Starting generation: 3033
Starting generation: 3034
Starting generation: 3035
Starting generation: 3036
Starting generation: 3037
Starting generation: 3038
Starting generation: 3039
Starting generation: 3040
Starting generation: 3041
Starting generation: 3042
Starting generation: 3043
Starting generation: 3044
Starting generation: 3045
Starting generation: 3046

Starting generation: 3047
Starting generation: 3048
Starting generation: 3049
Starting generation: 3050
Starting generation: 3051
Starting generation: 3052
Starting generation: 3053
Starting generation: 3054
Starting generation: 3055
Starting generation: 3056
Starting generation: 3057
Starting generation: 3058
Starting generation: 3059
Starting generation: 3060
Starting generation: 3061
Starting generation: 3062
Starting generation: 3063
Starting generation: 3064
Starting generation: 3065
Starting generation: 3066
Starting generation: 3067
Starting generation: 3068
Starting generation: 3069
Starting generation: 3070
Starting generation: 3071
Starting generation: 3072
Starting generation: 3073
Starting generation: 3074
Starting generation: 3075
Starting generation: 3076
Starting generation: 3077
Starting generation: 3078
Starting generation: 3079
Starting generation: 3080
Starting generation: 3081
Starting generation: 3082
Starting generation: 3083
Starting generation: 3084
Starting generation: 3085
Starting generation: 3086
Starting generation: 3087
Starting generation: 3088
Starting generation: 3089
Starting generation: 3090
Starting generation: 3091
Starting generation: 3092
Starting generation: 3093
Starting generation: 3094

Starting generation: 3095
Starting generation: 3096
Starting generation: 3097
Starting generation: 3098
Starting generation: 3099
Starting generation: 3100
Starting generation: 3101
Starting generation: 3102
Starting generation: 3103
Starting generation: 3104
Starting generation: 3105
Starting generation: 3106
Starting generation: 3107
Starting generation: 3108
Starting generation: 3109
Starting generation: 3110
Starting generation: 3111
Starting generation: 3112
Starting generation: 3113
Starting generation: 3114
Starting generation: 3115
Starting generation: 3116
Starting generation: 3117
Starting generation: 3118
Starting generation: 3119
Starting generation: 3120
Starting generation: 3121
Starting generation: 3122
Starting generation: 3123
Starting generation: 3124
Starting generation: 3125
Starting generation: 3126
Starting generation: 3127
Starting generation: 3128
Starting generation: 3129
Starting generation: 3130
Starting generation: 3131
Starting generation: 3132
Starting generation: 3133
Starting generation: 3134
Starting generation: 3135
Starting generation: 3136
Starting generation: 3137
Starting generation: 3138
Starting generation: 3139
Starting generation: 3140
Starting generation: 3141
Starting generation: 3142

Starting generation: 3143
Starting generation: 3144
Starting generation: 3145
Starting generation: 3146
Starting generation: 3147
Starting generation: 3148
Starting generation: 3149
Starting generation: 3150
Starting generation: 3151
Starting generation: 3152
Starting generation: 3153
Starting generation: 3154
Starting generation: 3155
Starting generation: 3156
Starting generation: 3157
Starting generation: 3158
Starting generation: 3159
Starting generation: 3160
Starting generation: 3161
Starting generation: 3162
Starting generation: 3163
Starting generation: 3164
Starting generation: 3165
Starting generation: 3166
Starting generation: 3167
Starting generation: 3168
Starting generation: 3169
Starting generation: 3170
Starting generation: 3171
Starting generation: 3172
Starting generation: 3173
Starting generation: 3174
Starting generation: 3175
Starting generation: 3176
Starting generation: 3177
Starting generation: 3178
Starting generation: 3179
Starting generation: 3180
Starting generation: 3181
Starting generation: 3182
Starting generation: 3183
Starting generation: 3184
Starting generation: 3185
Starting generation: 3186
Starting generation: 3187
Starting generation: 3188
Starting generation: 3189
Starting generation: 3190

Starting generation: 3191
Starting generation: 3192
Starting generation: 3193
Starting generation: 3194
Starting generation: 3195
Starting generation: 3196
Starting generation: 3197
Starting generation: 3198
Starting generation: 3199
Starting generation: 3200
Starting generation: 3201
Starting generation: 3202
Starting generation: 3203
Starting generation: 3204
Starting generation: 3205
Starting generation: 3206
Starting generation: 3207
Starting generation: 3208
Starting generation: 3209
Starting generation: 3210
Starting generation: 3211
Starting generation: 3212
Starting generation: 3213
Starting generation: 3214
Starting generation: 3215
Starting generation: 3216
Starting generation: 3217
Starting generation: 3218
Starting generation: 3219
Starting generation: 3220
Starting generation: 3221
Starting generation: 3222
Starting generation: 3223
Starting generation: 3224
Starting generation: 3225
Starting generation: 3226
Starting generation: 3227
Starting generation: 3228
Starting generation: 3229
Starting generation: 3230
Starting generation: 3231
Starting generation: 3232
Starting generation: 3233
Starting generation: 3234
Starting generation: 3235
Starting generation: 3236
Starting generation: 3237
Starting generation: 3238

Starting generation: 3239
Starting generation: 3240
Starting generation: 3241
Starting generation: 3242
Starting generation: 3243
Starting generation: 3244
Starting generation: 3245
Starting generation: 3246
Starting generation: 3247
Starting generation: 3248
Starting generation: 3249
Starting generation: 3250
Starting generation: 3251
Starting generation: 3252
Starting generation: 3253
Starting generation: 3254
Starting generation: 3255
Starting generation: 3256
Starting generation: 3257
Starting generation: 3258
Starting generation: 3259
Starting generation: 3260
Starting generation: 3261
Starting generation: 3262
Starting generation: 3263
Starting generation: 3264
Starting generation: 3265
Starting generation: 3266
Starting generation: 3267
Starting generation: 3268
Starting generation: 3269
Starting generation: 3270
Starting generation: 3271
Starting generation: 3272
Starting generation: 3273
Starting generation: 3274
Starting generation: 3275
Starting generation: 3276
Starting generation: 3277
Starting generation: 3278
Starting generation: 3279
Starting generation: 3280
Starting generation: 3281
Starting generation: 3282
Starting generation: 3283
Starting generation: 3284
Starting generation: 3285
Starting generation: 3286

Starting generation: 3287
Starting generation: 3288
Starting generation: 3289
Starting generation: 3290
Starting generation: 3291
Starting generation: 3292
Starting generation: 3293
Starting generation: 3294
Starting generation: 3295
Starting generation: 3296
Starting generation: 3297
Starting generation: 3298
Starting generation: 3299
Starting generation: 3300
Starting generation: 3301
Starting generation: 3302
Starting generation: 3303
Starting generation: 3304
Starting generation: 3305
Starting generation: 3306
Starting generation: 3307
Starting generation: 3308
Starting generation: 3309
Starting generation: 3310
Starting generation: 3311
Starting generation: 3312
Starting generation: 3313
Starting generation: 3314
Starting generation: 3315
Starting generation: 3316
Starting generation: 3317
Starting generation: 3318
Starting generation: 3319
Starting generation: 3320
Starting generation: 3321
Starting generation: 3322
Starting generation: 3323
Starting generation: 3324
Starting generation: 3325
Starting generation: 3326
Starting generation: 3327
Starting generation: 3328
Starting generation: 3329
Starting generation: 3330
Starting generation: 3331
Starting generation: 3332
Starting generation: 3333
Starting generation: 3334

Starting generation: 3335
Starting generation: 3336
Starting generation: 3337
Starting generation: 3338
Starting generation: 3339
Starting generation: 3340
Starting generation: 3341
Starting generation: 3342
Starting generation: 3343
Starting generation: 3344
Starting generation: 3345
Starting generation: 3346
Starting generation: 3347
Starting generation: 3348
Starting generation: 3349
Starting generation: 3350
Starting generation: 3351
Starting generation: 3352
Starting generation: 3353
Starting generation: 3354
Starting generation: 3355
Starting generation: 3356
Starting generation: 3357
Starting generation: 3358
Starting generation: 3359
Starting generation: 3360
Starting generation: 3361
Starting generation: 3362
Starting generation: 3363
Starting generation: 3364
Starting generation: 3365
Starting generation: 3366
Starting generation: 3367
Starting generation: 3368
Starting generation: 3369
Starting generation: 3370
Starting generation: 3371
Starting generation: 3372
Starting generation: 3373
Starting generation: 3374
Starting generation: 3375
Starting generation: 3376
Starting generation: 3377
Starting generation: 3378
Starting generation: 3379
Starting generation: 3380
Starting generation: 3381
Starting generation: 3382

Starting generation: 3383
Starting generation: 3384
Starting generation: 3385
Starting generation: 3386
Starting generation: 3387
Starting generation: 3388
Starting generation: 3389
Starting generation: 3390
Starting generation: 3391
Starting generation: 3392
Starting generation: 3393
Starting generation: 3394
Starting generation: 3395
Starting generation: 3396
Starting generation: 3397
Starting generation: 3398
Starting generation: 3399
Starting generation: 3400
Starting generation: 3401
Starting generation: 3402
Starting generation: 3403
Starting generation: 3404
Starting generation: 3405
Starting generation: 3406
Starting generation: 3407
Starting generation: 3408
Starting generation: 3409
Starting generation: 3410
Starting generation: 3411
Starting generation: 3412
Starting generation: 3413
Starting generation: 3414
Starting generation: 3415
Starting generation: 3416
Starting generation: 3417
Starting generation: 3418
Starting generation: 3419
Starting generation: 3420
Starting generation: 3421
Starting generation: 3422
Starting generation: 3423
Starting generation: 3424
Starting generation: 3425
Starting generation: 3426
Starting generation: 3427
Starting generation: 3428
Starting generation: 3429
Starting generation: 3430

Starting generation: 3431
Starting generation: 3432
Starting generation: 3433
Starting generation: 3434
Starting generation: 3435
Starting generation: 3436
Starting generation: 3437
Starting generation: 3438
Starting generation: 3439
Starting generation: 3440
Starting generation: 3441
Starting generation: 3442
Starting generation: 3443
Starting generation: 3444
Starting generation: 3445
Starting generation: 3446
Starting generation: 3447
Starting generation: 3448
Starting generation: 3449
Starting generation: 3450
Starting generation: 3451
Starting generation: 3452
Starting generation: 3453
Starting generation: 3454
Starting generation: 3455
Starting generation: 3456
Starting generation: 3457
Starting generation: 3458
Starting generation: 3459
Starting generation: 3460
Starting generation: 3461
Starting generation: 3462
Starting generation: 3463
Starting generation: 3464
Starting generation: 3465
Starting generation: 3466
Starting generation: 3467
Starting generation: 3468
Starting generation: 3469
Starting generation: 3470
Starting generation: 3471
Starting generation: 3472
Starting generation: 3473
Starting generation: 3474
Starting generation: 3475
Starting generation: 3476
Starting generation: 3477
Starting generation: 3478

Starting generation: 3479
Starting generation: 3480
Starting generation: 3481
Starting generation: 3482
Starting generation: 3483
Starting generation: 3484
Starting generation: 3485
Starting generation: 3486
Starting generation: 3487
Starting generation: 3488
Starting generation: 3489
Starting generation: 3490
Starting generation: 3491
Starting generation: 3492
Starting generation: 3493
Starting generation: 3494
Starting generation: 3495
Starting generation: 3496
Starting generation: 3497
Starting generation: 3498
Starting generation: 3499
Starting generation: 3500
Starting generation: 3501
Starting generation: 3502
Starting generation: 3503
Starting generation: 3504
Starting generation: 3505
Starting generation: 3506
Starting generation: 3507
Starting generation: 3508
Starting generation: 3509
Starting generation: 3510
Starting generation: 3511
Starting generation: 3512
Starting generation: 3513
Starting generation: 3514
Starting generation: 3515
Starting generation: 3516
Starting generation: 3517
Starting generation: 3518
Starting generation: 3519
Starting generation: 3520
Starting generation: 3521
Starting generation: 3522
Starting generation: 3523
Starting generation: 3524
Starting generation: 3525
Starting generation: 3526

Starting generation: 3527
Starting generation: 3528
Starting generation: 3529
Starting generation: 3530
Starting generation: 3531
Starting generation: 3532
Starting generation: 3533
Starting generation: 3534
Starting generation: 3535
Starting generation: 3536
Starting generation: 3537
Starting generation: 3538
Starting generation: 3539
Starting generation: 3540
Starting generation: 3541
Starting generation: 3542
Starting generation: 3543
Starting generation: 3544
Starting generation: 3545
Starting generation: 3546
Starting generation: 3547
Starting generation: 3548
Starting generation: 3549
Starting generation: 3550
Starting generation: 3551
Starting generation: 3552
Starting generation: 3553
Starting generation: 3554
Starting generation: 3555
Starting generation: 3556
Starting generation: 3557
Starting generation: 3558
Starting generation: 3559
Starting generation: 3560
Starting generation: 3561
Starting generation: 3562
Starting generation: 3563
Starting generation: 3564
Starting generation: 3565
Starting generation: 3566
Starting generation: 3567
Starting generation: 3568
Starting generation: 3569
Starting generation: 3570
Starting generation: 3571
Starting generation: 3572
Starting generation: 3573
Starting generation: 3574

Starting generation: 3575
Starting generation: 3576
Starting generation: 3577
Starting generation: 3578
Starting generation: 3579
Starting generation: 3580
Starting generation: 3581
Starting generation: 3582
Starting generation: 3583
Starting generation: 3584
Starting generation: 3585
Starting generation: 3586
Starting generation: 3587
Starting generation: 3588
Starting generation: 3589
Starting generation: 3590
Starting generation: 3591
Starting generation: 3592
Starting generation: 3593
Starting generation: 3594
Starting generation: 3595
Starting generation: 3596
Starting generation: 3597
Starting generation: 3598
Starting generation: 3599
Starting generation: 3600
Starting generation: 3601
Starting generation: 3602
Starting generation: 3603
Starting generation: 3604
Starting generation: 3605
Starting generation: 3606
Starting generation: 3607
Starting generation: 3608
Starting generation: 3609
Starting generation: 3610
Starting generation: 3611
Starting generation: 3612
Starting generation: 3613
Starting generation: 3614
Starting generation: 3615
Starting generation: 3616
Starting generation: 3617
Starting generation: 3618
Starting generation: 3619
Starting generation: 3620
Starting generation: 3621
Starting generation: 3622

Starting generation: 3623
Starting generation: 3624
Starting generation: 3625
Starting generation: 3626
Starting generation: 3627
Starting generation: 3628
Starting generation: 3629
Starting generation: 3630
Starting generation: 3631
Starting generation: 3632
Starting generation: 3633
Starting generation: 3634
Starting generation: 3635
Starting generation: 3636
Starting generation: 3637
Starting generation: 3638
Starting generation: 3639
Starting generation: 3640
Starting generation: 3641
Starting generation: 3642
Starting generation: 3643
Starting generation: 3644
Starting generation: 3645
Starting generation: 3646
Starting generation: 3647
Starting generation: 3648
Starting generation: 3649
Starting generation: 3650
Starting generation: 3651
Starting generation: 3652
Starting generation: 3653
Starting generation: 3654
Starting generation: 3655
Starting generation: 3656
Starting generation: 3657
Starting generation: 3658
Starting generation: 3659
Starting generation: 3660
Starting generation: 3661
Starting generation: 3662
Starting generation: 3663
Starting generation: 3664
Starting generation: 3665
Starting generation: 3666
Starting generation: 3667
Starting generation: 3668
Starting generation: 3669
Starting generation: 3670

Starting generation: 3671
Starting generation: 3672
Starting generation: 3673
Starting generation: 3674
Starting generation: 3675
Starting generation: 3676
Starting generation: 3677
Starting generation: 3678
Starting generation: 3679
Starting generation: 3680
Starting generation: 3681
Starting generation: 3682
Starting generation: 3683
Starting generation: 3684
Starting generation: 3685
Starting generation: 3686
Starting generation: 3687
Starting generation: 3688
Starting generation: 3689
Starting generation: 3690
Starting generation: 3691
Starting generation: 3692
Starting generation: 3693
Starting generation: 3694
Starting generation: 3695
Starting generation: 3696
Starting generation: 3697
Starting generation: 3698
Starting generation: 3699
Starting generation: 3700
Starting generation: 3701
Starting generation: 3702
Starting generation: 3703
Starting generation: 3704
Starting generation: 3705
Starting generation: 3706
Starting generation: 3707
Starting generation: 3708
Starting generation: 3709
Starting generation: 3710
Starting generation: 3711
Starting generation: 3712
Starting generation: 3713
Starting generation: 3714
Starting generation: 3715
Starting generation: 3716
Starting generation: 3717
Starting generation: 3718

Starting generation: 3719
Starting generation: 3720
Starting generation: 3721
Starting generation: 3722
Starting generation: 3723
Starting generation: 3724
Starting generation: 3725
Starting generation: 3726
Starting generation: 3727
Starting generation: 3728
Starting generation: 3729
Starting generation: 3730
Starting generation: 3731
Starting generation: 3732
Starting generation: 3733
Starting generation: 3734
Starting generation: 3735
Starting generation: 3736
Starting generation: 3737
Starting generation: 3738
Starting generation: 3739
Starting generation: 3740
Starting generation: 3741
Starting generation: 3742
Starting generation: 3743
Starting generation: 3744
Starting generation: 3745
Starting generation: 3746
Starting generation: 3747
Starting generation: 3748
Starting generation: 3749
Starting generation: 3750
Starting generation: 3751
Starting generation: 3752
Starting generation: 3753
Starting generation: 3754
Starting generation: 3755
Starting generation: 3756
Starting generation: 3757
Starting generation: 3758
Starting generation: 3759
Starting generation: 3760
Starting generation: 3761
Starting generation: 3762
Starting generation: 3763
Starting generation: 3764
Starting generation: 3765
Starting generation: 3766

Starting generation: 3767
Starting generation: 3768
Starting generation: 3769
Starting generation: 3770
Starting generation: 3771
Starting generation: 3772
Starting generation: 3773
Starting generation: 3774
Starting generation: 3775
Starting generation: 3776
Starting generation: 3777
Starting generation: 3778
Starting generation: 3779
Starting generation: 3780
Starting generation: 3781
Starting generation: 3782
Starting generation: 3783
Starting generation: 3784
Starting generation: 3785
Starting generation: 3786
Starting generation: 3787
Starting generation: 3788
Starting generation: 3789
Starting generation: 3790
Starting generation: 3791
Starting generation: 3792
Starting generation: 3793
Starting generation: 3794
Starting generation: 3795
Starting generation: 3796
Starting generation: 3797
Starting generation: 3798
Starting generation: 3799
Starting generation: 3800
Starting generation: 3801
Starting generation: 3802
Starting generation: 3803
Starting generation: 3804
Starting generation: 3805
Starting generation: 3806
Starting generation: 3807
Starting generation: 3808
Starting generation: 3809
Starting generation: 3810
Starting generation: 3811
Starting generation: 3812
Starting generation: 3813
Starting generation: 3814

Starting generation: 3815
Starting generation: 3816
Starting generation: 3817
Starting generation: 3818
Starting generation: 3819
Starting generation: 3820
Starting generation: 3821
Starting generation: 3822
Starting generation: 3823
Starting generation: 3824
Starting generation: 3825
Starting generation: 3826
Starting generation: 3827
Starting generation: 3828
Starting generation: 3829
Starting generation: 3830
Starting generation: 3831
Starting generation: 3832
Starting generation: 3833
Starting generation: 3834
Starting generation: 3835
Starting generation: 3836
Starting generation: 3837
Starting generation: 3838
Starting generation: 3839
Starting generation: 3840
Starting generation: 3841
Starting generation: 3842
Starting generation: 3843
Starting generation: 3844
Starting generation: 3845
Starting generation: 3846
Starting generation: 3847
Starting generation: 3848
Starting generation: 3849
Starting generation: 3850
Starting generation: 3851
Starting generation: 3852
Starting generation: 3853
Starting generation: 3854
Starting generation: 3855
Starting generation: 3856
Starting generation: 3857
Starting generation: 3858
Starting generation: 3859
Starting generation: 3860
Starting generation: 3861
Starting generation: 3862

Starting generation: 3863
Starting generation: 3864
Starting generation: 3865
Starting generation: 3866
Starting generation: 3867
Starting generation: 3868
Starting generation: 3869
Starting generation: 3870
Starting generation: 3871
Starting generation: 3872
Starting generation: 3873
Starting generation: 3874
Starting generation: 3875
Starting generation: 3876
Starting generation: 3877
Starting generation: 3878
Starting generation: 3879
Starting generation: 3880
Starting generation: 3881
Starting generation: 3882
Starting generation: 3883
Starting generation: 3884
Starting generation: 3885
Starting generation: 3886
Starting generation: 3887
Starting generation: 3888
Starting generation: 3889
Starting generation: 3890
Starting generation: 3891
Starting generation: 3892
Starting generation: 3893
Starting generation: 3894
Starting generation: 3895
Starting generation: 3896
Starting generation: 3897
Starting generation: 3898
Starting generation: 3899
Starting generation: 3900
Starting generation: 3901
Starting generation: 3902
Starting generation: 3903
Starting generation: 3904
Starting generation: 3905
Starting generation: 3906
Starting generation: 3907
Starting generation: 3908
Starting generation: 3909
Starting generation: 3910

Starting generation: 3911
Starting generation: 3912
Starting generation: 3913
Starting generation: 3914
Starting generation: 3915
Starting generation: 3916
Starting generation: 3917
Starting generation: 3918
Starting generation: 3919
Starting generation: 3920
Starting generation: 3921
Starting generation: 3922
Starting generation: 3923
Starting generation: 3924
Starting generation: 3925
Starting generation: 3926
Starting generation: 3927
Starting generation: 3928
Starting generation: 3929
Starting generation: 3930
Starting generation: 3931
Starting generation: 3932
Starting generation: 3933
Starting generation: 3934
Starting generation: 3935
Starting generation: 3936
Starting generation: 3937
Starting generation: 3938
Starting generation: 3939
Starting generation: 3940
Starting generation: 3941
Starting generation: 3942
Starting generation: 3943
Starting generation: 3944
Starting generation: 3945
Starting generation: 3946
Starting generation: 3947
Starting generation: 3948
Starting generation: 3949
Starting generation: 3950
Starting generation: 3951
Starting generation: 3952
Starting generation: 3953
Starting generation: 3954
Starting generation: 3955
Starting generation: 3956
Starting generation: 3957
Starting generation: 3958

Starting generation: 3959
Starting generation: 3960
Starting generation: 3961
Starting generation: 3962
Starting generation: 3963
Starting generation: 3964
Starting generation: 3965
Starting generation: 3966
Starting generation: 3967
Starting generation: 3968
Starting generation: 3969
Starting generation: 3970
Starting generation: 3971
Starting generation: 3972
Starting generation: 3973
Starting generation: 3974
Starting generation: 3975
Starting generation: 3976
Starting generation: 3977
Starting generation: 3978
Starting generation: 3979
Starting generation: 3980
Starting generation: 3981
Starting generation: 3982
Starting generation: 3983
Starting generation: 3984
Starting generation: 3985
Starting generation: 3986
Starting generation: 3987
Starting generation: 3988
Starting generation: 3989
Starting generation: 3990
Starting generation: 3991
Starting generation: 3992
Starting generation: 3993
Starting generation: 3994
Starting generation: 3995
Starting generation: 3996
Starting generation: 3997
Starting generation: 3998
Starting generation: 3999
Starting generation: 4000
Starting generation: 4001
Starting generation: 4002
Starting generation: 4003
Starting generation: 4004
Starting generation: 4005
Starting generation: 4006

Starting generation: 4007
Starting generation: 4008
Starting generation: 4009
Starting generation: 4010
Starting generation: 4011
Starting generation: 4012
Starting generation: 4013
Starting generation: 4014
Starting generation: 4015
Starting generation: 4016
Starting generation: 4017
Starting generation: 4018
Starting generation: 4019
Starting generation: 4020
Starting generation: 4021
Starting generation: 4022
Starting generation: 4023
Starting generation: 4024
Starting generation: 4025
Starting generation: 4026
Starting generation: 4027
Starting generation: 4028
Starting generation: 4029
Starting generation: 4030
Starting generation: 4031
Starting generation: 4032
Starting generation: 4033
Starting generation: 4034
Starting generation: 4035
Starting generation: 4036
Starting generation: 4037
Starting generation: 4038
Starting generation: 4039
Starting generation: 4040
Starting generation: 4041
Starting generation: 4042
Starting generation: 4043
Starting generation: 4044
Starting generation: 4045
Starting generation: 4046
Starting generation: 4047
Starting generation: 4048
Starting generation: 4049
Starting generation: 4050
Starting generation: 4051
Starting generation: 4052
Starting generation: 4053
Starting generation: 4054

Starting generation: 4055
Starting generation: 4056
Starting generation: 4057
Starting generation: 4058
Starting generation: 4059
Starting generation: 4060
Starting generation: 4061
Starting generation: 4062
Starting generation: 4063
Starting generation: 4064
Starting generation: 4065
Starting generation: 4066
Starting generation: 4067
Starting generation: 4068
Starting generation: 4069
Starting generation: 4070
Starting generation: 4071
Starting generation: 4072
Starting generation: 4073
Starting generation: 4074
Starting generation: 4075
Starting generation: 4076
Starting generation: 4077
Starting generation: 4078
Starting generation: 4079
Starting generation: 4080
Starting generation: 4081
Starting generation: 4082
Starting generation: 4083
Starting generation: 4084
Starting generation: 4085
Starting generation: 4086
Starting generation: 4087
Starting generation: 4088
Starting generation: 4089
Starting generation: 4090
Starting generation: 4091
Starting generation: 4092
Starting generation: 4093
Starting generation: 4094
Starting generation: 4095
Starting generation: 4096
Starting generation: 4097
Starting generation: 4098
Starting generation: 4099
Starting generation: 4100
Starting generation: 4101
Starting generation: 4102

Starting generation: 4103
Starting generation: 4104
Starting generation: 4105
Starting generation: 4106
Starting generation: 4107
Starting generation: 4108
Starting generation: 4109
Starting generation: 4110
Starting generation: 4111
Starting generation: 4112
Starting generation: 4113
Starting generation: 4114
Starting generation: 4115
Starting generation: 4116
Starting generation: 4117
Starting generation: 4118
Starting generation: 4119
Starting generation: 4120
Starting generation: 4121
Starting generation: 4122
Starting generation: 4123
Starting generation: 4124
Starting generation: 4125
Starting generation: 4126
Starting generation: 4127
Starting generation: 4128
Starting generation: 4129
Starting generation: 4130
Starting generation: 4131
Starting generation: 4132
Starting generation: 4133
Starting generation: 4134
Starting generation: 4135
Starting generation: 4136
Starting generation: 4137
Starting generation: 4138
Starting generation: 4139
Starting generation: 4140
Starting generation: 4141
Starting generation: 4142
Starting generation: 4143
Starting generation: 4144
Starting generation: 4145
Starting generation: 4146
Starting generation: 4147
Starting generation: 4148
Starting generation: 4149
Starting generation: 4150

Starting generation: 4151
Starting generation: 4152
Starting generation: 4153
Starting generation: 4154
Starting generation: 4155
Starting generation: 4156
Starting generation: 4157
Starting generation: 4158
Starting generation: 4159
Starting generation: 4160
Starting generation: 4161
Starting generation: 4162
Starting generation: 4163
Starting generation: 4164
Starting generation: 4165
Starting generation: 4166
Starting generation: 4167
Starting generation: 4168
Starting generation: 4169
Starting generation: 4170
Starting generation: 4171
Starting generation: 4172
Starting generation: 4173
Starting generation: 4174
Starting generation: 4175
Starting generation: 4176
Starting generation: 4177
Starting generation: 4178
Starting generation: 4179
Starting generation: 4180
Starting generation: 4181
Starting generation: 4182
Starting generation: 4183
Starting generation: 4184
Starting generation: 4185
Starting generation: 4186
Starting generation: 4187
Starting generation: 4188
Starting generation: 4189
Starting generation: 4190
Starting generation: 4191
Starting generation: 4192
Starting generation: 4193
Starting generation: 4194
Starting generation: 4195
Starting generation: 4196
Starting generation: 4197
Starting generation: 4198

Starting generation: 4199
Starting generation: 4200
Starting generation: 4201
Starting generation: 4202
Starting generation: 4203
Starting generation: 4204
Starting generation: 4205
Starting generation: 4206
Starting generation: 4207
Starting generation: 4208
Starting generation: 4209
Starting generation: 4210
Starting generation: 4211
Starting generation: 4212
Starting generation: 4213
Starting generation: 4214
Starting generation: 4215
Starting generation: 4216
Starting generation: 4217
Starting generation: 4218
Starting generation: 4219
Starting generation: 4220
Starting generation: 4221
Starting generation: 4222
Starting generation: 4223
Starting generation: 4224
Starting generation: 4225
Starting generation: 4226
Starting generation: 4227
Starting generation: 4228
Starting generation: 4229
Starting generation: 4230
Starting generation: 4231
Starting generation: 4232
Starting generation: 4233
Starting generation: 4234
Starting generation: 4235
Starting generation: 4236
Starting generation: 4237
Starting generation: 4238
Starting generation: 4239
Starting generation: 4240
Starting generation: 4241
Starting generation: 4242
Starting generation: 4243
Starting generation: 4244
Starting generation: 4245
Starting generation: 4246

Starting generation: 4247
Starting generation: 4248
Starting generation: 4249
Starting generation: 4250
Starting generation: 4251
Starting generation: 4252
Starting generation: 4253
Starting generation: 4254
Starting generation: 4255
Starting generation: 4256
Starting generation: 4257
Starting generation: 4258
Starting generation: 4259
Starting generation: 4260
Starting generation: 4261
Starting generation: 4262
Starting generation: 4263
Starting generation: 4264
Starting generation: 4265
Starting generation: 4266
Starting generation: 4267
Starting generation: 4268
Starting generation: 4269
Starting generation: 4270
Starting generation: 4271
Starting generation: 4272
Starting generation: 4273
Starting generation: 4274
Starting generation: 4275
Starting generation: 4276
Starting generation: 4277
Starting generation: 4278
Starting generation: 4279
Starting generation: 4280
Starting generation: 4281
Starting generation: 4282
Starting generation: 4283
Starting generation: 4284
Starting generation: 4285
Starting generation: 4286
Starting generation: 4287
Starting generation: 4288
Starting generation: 4289
Starting generation: 4290
Starting generation: 4291
Starting generation: 4292
Starting generation: 4293
Starting generation: 4294

Starting generation: 4295
Starting generation: 4296
Starting generation: 4297
Starting generation: 4298
Starting generation: 4299
Starting generation: 4300
Starting generation: 4301
Starting generation: 4302
Starting generation: 4303
Starting generation: 4304
Starting generation: 4305
Starting generation: 4306
Starting generation: 4307
Starting generation: 4308
Starting generation: 4309
Starting generation: 4310
Starting generation: 4311
Starting generation: 4312
Starting generation: 4313
Starting generation: 4314
Starting generation: 4315
Starting generation: 4316
Starting generation: 4317
Starting generation: 4318
Starting generation: 4319
Starting generation: 4320
Starting generation: 4321
Starting generation: 4322
Starting generation: 4323
Starting generation: 4324
Starting generation: 4325
Starting generation: 4326
Starting generation: 4327
Starting generation: 4328
Starting generation: 4329
Starting generation: 4330
Starting generation: 4331
Starting generation: 4332
Starting generation: 4333
Starting generation: 4334
Starting generation: 4335
Starting generation: 4336
Starting generation: 4337
Starting generation: 4338
Starting generation: 4339
Starting generation: 4340
Starting generation: 4341
Starting generation: 4342

Starting generation: 4343
Starting generation: 4344
Starting generation: 4345
Starting generation: 4346
Starting generation: 4347
Starting generation: 4348
Starting generation: 4349
Starting generation: 4350
Starting generation: 4351
Starting generation: 4352
Starting generation: 4353
Starting generation: 4354
Starting generation: 4355
Starting generation: 4356
Starting generation: 4357
Starting generation: 4358
Starting generation: 4359
Starting generation: 4360
Starting generation: 4361
Starting generation: 4362
Starting generation: 4363
Starting generation: 4364
Starting generation: 4365
Starting generation: 4366
Starting generation: 4367
Starting generation: 4368
Starting generation: 4369
Starting generation: 4370
Starting generation: 4371
Starting generation: 4372
Starting generation: 4373
Starting generation: 4374
Starting generation: 4375
Starting generation: 4376
Starting generation: 4377
Starting generation: 4378
Starting generation: 4379
Starting generation: 4380
Starting generation: 4381
Starting generation: 4382
Starting generation: 4383
Starting generation: 4384
Starting generation: 4385
Starting generation: 4386
Starting generation: 4387
Starting generation: 4388
Starting generation: 4389
Starting generation: 4390

Starting generation: 4391
Starting generation: 4392
Starting generation: 4393
Starting generation: 4394
Starting generation: 4395
Starting generation: 4396
Starting generation: 4397
Starting generation: 4398
Starting generation: 4399
Starting generation: 4400
Starting generation: 4401
Starting generation: 4402
Starting generation: 4403
Starting generation: 4404
Starting generation: 4405
Starting generation: 4406
Starting generation: 4407
Starting generation: 4408
Starting generation: 4409
Starting generation: 4410
Starting generation: 4411
Starting generation: 4412
Starting generation: 4413
Starting generation: 4414
Starting generation: 4415
Starting generation: 4416
Starting generation: 4417
Starting generation: 4418
Starting generation: 4419
Starting generation: 4420
Starting generation: 4421
Starting generation: 4422
Starting generation: 4423
Starting generation: 4424
Starting generation: 4425
Starting generation: 4426
Starting generation: 4427
Starting generation: 4428
Starting generation: 4429
Starting generation: 4430
Starting generation: 4431
Starting generation: 4432
Starting generation: 4433
Starting generation: 4434
Starting generation: 4435
Starting generation: 4436
Starting generation: 4437
Starting generation: 4438

Starting generation: 4439
Starting generation: 4440
Starting generation: 4441
Starting generation: 4442
Starting generation: 4443
Starting generation: 4444
Starting generation: 4445
Starting generation: 4446
Starting generation: 4447
Starting generation: 4448
Starting generation: 4449
Starting generation: 4450
Starting generation: 4451
Starting generation: 4452
Starting generation: 4453
Starting generation: 4454
Starting generation: 4455
Starting generation: 4456
Starting generation: 4457
Starting generation: 4458
Starting generation: 4459
Starting generation: 4460
Starting generation: 4461
Starting generation: 4462
Starting generation: 4463
Starting generation: 4464
Starting generation: 4465
Starting generation: 4466
Starting generation: 4467
Starting generation: 4468
Starting generation: 4469
Starting generation: 4470
Starting generation: 4471
Starting generation: 4472
Starting generation: 4473
Starting generation: 4474
Starting generation: 4475
Starting generation: 4476
Starting generation: 4477
Starting generation: 4478
Starting generation: 4479
Starting generation: 4480
Starting generation: 4481
Starting generation: 4482
Starting generation: 4483
Starting generation: 4484
Starting generation: 4485
Starting generation: 4486

Starting generation: 4487
Starting generation: 4488
Starting generation: 4489
Starting generation: 4490
Starting generation: 4491
Starting generation: 4492
Starting generation: 4493
Starting generation: 4494
Starting generation: 4495
Starting generation: 4496
Starting generation: 4497
Starting generation: 4498
Starting generation: 4499
Starting generation: 4500
Starting generation: 4501
Starting generation: 4502
Starting generation: 4503
Starting generation: 4504
Starting generation: 4505
Starting generation: 4506
Starting generation: 4507
Starting generation: 4508
Starting generation: 4509
Starting generation: 4510
Starting generation: 4511
Starting generation: 4512
Starting generation: 4513
Starting generation: 4514
Starting generation: 4515
Starting generation: 4516
Starting generation: 4517
Starting generation: 4518
Starting generation: 4519
Starting generation: 4520
Starting generation: 4521
Starting generation: 4522
Starting generation: 4523
Starting generation: 4524
Starting generation: 4525
Starting generation: 4526
Starting generation: 4527
Starting generation: 4528
Starting generation: 4529
Starting generation: 4530
Starting generation: 4531
Starting generation: 4532
Starting generation: 4533
Starting generation: 4534

Starting generation: 4535
Starting generation: 4536
Starting generation: 4537
Starting generation: 4538
Starting generation: 4539
Starting generation: 4540
Starting generation: 4541
Starting generation: 4542
Starting generation: 4543
Starting generation: 4544
Starting generation: 4545
Starting generation: 4546
Starting generation: 4547
Starting generation: 4548
Starting generation: 4549
Starting generation: 4550
Starting generation: 4551
Starting generation: 4552
Starting generation: 4553
Starting generation: 4554
Starting generation: 4555
Starting generation: 4556
Starting generation: 4557
Starting generation: 4558
Starting generation: 4559
Starting generation: 4560
Starting generation: 4561
Starting generation: 4562
Starting generation: 4563
Starting generation: 4564
Starting generation: 4565
Starting generation: 4566
Starting generation: 4567
Starting generation: 4568
Starting generation: 4569
Starting generation: 4570
Starting generation: 4571
Starting generation: 4572
Starting generation: 4573
Starting generation: 4574
Starting generation: 4575
Starting generation: 4576
Starting generation: 4577
Starting generation: 4578
Starting generation: 4579
Starting generation: 4580
Starting generation: 4581
Starting generation: 4582

Starting generation: 4583
Starting generation: 4584
Starting generation: 4585
Starting generation: 4586
Starting generation: 4587
Starting generation: 4588
Starting generation: 4589
Starting generation: 4590
Starting generation: 4591
Starting generation: 4592
Starting generation: 4593
Starting generation: 4594
Starting generation: 4595
Starting generation: 4596
Starting generation: 4597
Starting generation: 4598
Starting generation: 4599
Starting generation: 4600
Starting generation: 4601
Starting generation: 4602
Starting generation: 4603
Starting generation: 4604
Starting generation: 4605
Starting generation: 4606
Starting generation: 4607
Starting generation: 4608
Starting generation: 4609
Starting generation: 4610
Starting generation: 4611
Starting generation: 4612
Starting generation: 4613
Starting generation: 4614
Starting generation: 4615
Starting generation: 4616
Starting generation: 4617
Starting generation: 4618
Starting generation: 4619
Starting generation: 4620
Starting generation: 4621
Starting generation: 4622
Starting generation: 4623
Starting generation: 4624
Starting generation: 4625
Starting generation: 4626
Starting generation: 4627
Starting generation: 4628
Starting generation: 4629
Starting generation: 4630

Starting generation: 4631
Starting generation: 4632
Starting generation: 4633
Starting generation: 4634
Starting generation: 4635
Starting generation: 4636
Starting generation: 4637
Starting generation: 4638
Starting generation: 4639
Starting generation: 4640
Starting generation: 4641
Starting generation: 4642
Starting generation: 4643
Starting generation: 4644
Starting generation: 4645
Starting generation: 4646
Starting generation: 4647
Starting generation: 4648
Starting generation: 4649
Starting generation: 4650
Starting generation: 4651
Starting generation: 4652
Starting generation: 4653
Starting generation: 4654
Starting generation: 4655
Starting generation: 4656
Starting generation: 4657
Starting generation: 4658
Starting generation: 4659
Starting generation: 4660
Starting generation: 4661
Starting generation: 4662
Starting generation: 4663
Starting generation: 4664
Starting generation: 4665
Starting generation: 4666
Starting generation: 4667
Starting generation: 4668
Starting generation: 4669
Starting generation: 4670
Starting generation: 4671
Starting generation: 4672
Starting generation: 4673
Starting generation: 4674
Starting generation: 4675
Starting generation: 4676
Starting generation: 4677
Starting generation: 4678

Starting generation: 4679
Starting generation: 4680
Starting generation: 4681
Starting generation: 4682
Starting generation: 4683
Starting generation: 4684
Starting generation: 4685
Starting generation: 4686
Starting generation: 4687
Starting generation: 4688
Starting generation: 4689
Starting generation: 4690
Starting generation: 4691
Starting generation: 4692
Starting generation: 4693
Starting generation: 4694
Starting generation: 4695
Starting generation: 4696
Starting generation: 4697
Starting generation: 4698
Starting generation: 4699
Starting generation: 4700
Starting generation: 4701
Starting generation: 4702
Starting generation: 4703
Starting generation: 4704
Starting generation: 4705
Starting generation: 4706
Starting generation: 4707
Starting generation: 4708
Starting generation: 4709
Starting generation: 4710
Starting generation: 4711
Starting generation: 4712
Starting generation: 4713
Starting generation: 4714
Starting generation: 4715
Starting generation: 4716
Starting generation: 4717
Starting generation: 4718
Starting generation: 4719
Starting generation: 4720
Starting generation: 4721
Starting generation: 4722
Starting generation: 4723
Starting generation: 4724
Starting generation: 4725
Starting generation: 4726

Starting generation: 4727
Starting generation: 4728
Starting generation: 4729
Starting generation: 4730
Starting generation: 4731
Starting generation: 4732
Starting generation: 4733
Starting generation: 4734
Starting generation: 4735
Starting generation: 4736
Starting generation: 4737
Starting generation: 4738
Starting generation: 4739
Starting generation: 4740
Starting generation: 4741
Starting generation: 4742
Starting generation: 4743
Starting generation: 4744
Starting generation: 4745
Starting generation: 4746
Starting generation: 4747
Starting generation: 4748
Starting generation: 4749
Starting generation: 4750
Starting generation: 4751
Starting generation: 4752
Starting generation: 4753
Starting generation: 4754
Starting generation: 4755
Starting generation: 4756
Starting generation: 4757
Starting generation: 4758
Starting generation: 4759
Starting generation: 4760
Starting generation: 4761
Starting generation: 4762
Starting generation: 4763
Starting generation: 4764
Starting generation: 4765
Starting generation: 4766
Starting generation: 4767
Starting generation: 4768
Starting generation: 4769
Starting generation: 4770
Starting generation: 4771
Starting generation: 4772
Starting generation: 4773
Starting generation: 4774

Starting generation: 4775
Starting generation: 4776
Starting generation: 4777
Starting generation: 4778
Starting generation: 4779
Starting generation: 4780
Starting generation: 4781
Starting generation: 4782
Starting generation: 4783
Starting generation: 4784
Starting generation: 4785
Starting generation: 4786
Starting generation: 4787
Starting generation: 4788
Starting generation: 4789
Starting generation: 4790
Starting generation: 4791
Starting generation: 4792
Starting generation: 4793
Starting generation: 4794
Starting generation: 4795
Starting generation: 4796
Starting generation: 4797
Starting generation: 4798
Starting generation: 4799
Starting generation: 4800
Starting generation: 4801
Starting generation: 4802
Starting generation: 4803
Starting generation: 4804
Starting generation: 4805
Starting generation: 4806
Starting generation: 4807
Starting generation: 4808
Starting generation: 4809
Starting generation: 4810
Starting generation: 4811
Starting generation: 4812
Starting generation: 4813
Starting generation: 4814
Starting generation: 4815
Starting generation: 4816
Starting generation: 4817
Starting generation: 4818
Starting generation: 4819
Starting generation: 4820
Starting generation: 4821
Starting generation: 4822

Starting generation: 4823
Starting generation: 4824
Starting generation: 4825
Starting generation: 4826
Starting generation: 4827
Starting generation: 4828
Starting generation: 4829
Starting generation: 4830
Starting generation: 4831
Starting generation: 4832
Starting generation: 4833
Starting generation: 4834
Starting generation: 4835
Starting generation: 4836
Starting generation: 4837
Starting generation: 4838
Starting generation: 4839
Starting generation: 4840
Starting generation: 4841
Starting generation: 4842
Starting generation: 4843
Starting generation: 4844
Starting generation: 4845
Starting generation: 4846
Starting generation: 4847
Starting generation: 4848
Starting generation: 4849
Starting generation: 4850
Starting generation: 4851
Starting generation: 4852
Starting generation: 4853
Starting generation: 4854
Starting generation: 4855
Starting generation: 4856
Starting generation: 4857
Starting generation: 4858
Starting generation: 4859
Starting generation: 4860
Starting generation: 4861
Starting generation: 4862
Starting generation: 4863
Starting generation: 4864
Starting generation: 4865
Starting generation: 4866
Starting generation: 4867
Starting generation: 4868
Starting generation: 4869
Starting generation: 4870

Starting generation: 4871
Starting generation: 4872
Starting generation: 4873
Starting generation: 4874
Starting generation: 4875
Starting generation: 4876
Starting generation: 4877
Starting generation: 4878
Starting generation: 4879
Starting generation: 4880
Starting generation: 4881
Starting generation: 4882
Starting generation: 4883
Starting generation: 4884
Starting generation: 4885
Starting generation: 4886
Starting generation: 4887
Starting generation: 4888
Starting generation: 4889
Starting generation: 4890
Starting generation: 4891
Starting generation: 4892
Starting generation: 4893
Starting generation: 4894
Starting generation: 4895
Starting generation: 4896
Starting generation: 4897
Starting generation: 4898
Starting generation: 4899
Starting generation: 4900
Starting generation: 4901
Starting generation: 4902
Starting generation: 4903
Starting generation: 4904
Starting generation: 4905
Starting generation: 4906
Starting generation: 4907
Starting generation: 4908
Starting generation: 4909
Starting generation: 4910
Starting generation: 4911
Starting generation: 4912
Starting generation: 4913
Starting generation: 4914
Starting generation: 4915
Starting generation: 4916
Starting generation: 4917
Starting generation: 4918

Starting generation: 4919
Starting generation: 4920
Starting generation: 4921
Starting generation: 4922
Starting generation: 4923
Starting generation: 4924
Starting generation: 4925
Starting generation: 4926
Starting generation: 4927
Starting generation: 4928
Starting generation: 4929
Starting generation: 4930
Starting generation: 4931
Starting generation: 4932
Starting generation: 4933
Starting generation: 4934
Starting generation: 4935
Starting generation: 4936
Starting generation: 4937
Starting generation: 4938
Starting generation: 4939
Starting generation: 4940
Starting generation: 4941
Starting generation: 4942
Starting generation: 4943
Starting generation: 4944
Starting generation: 4945
Starting generation: 4946
Starting generation: 4947
Starting generation: 4948
Starting generation: 4949
Starting generation: 4950
Starting generation: 4951
Starting generation: 4952
Starting generation: 4953
Starting generation: 4954
Starting generation: 4955
Starting generation: 4956
Starting generation: 4957
Starting generation: 4958
Starting generation: 4959
Starting generation: 4960
Starting generation: 4961
Starting generation: 4962
Starting generation: 4963
Starting generation: 4964
Starting generation: 4965
Starting generation: 4966

Starting generation: 4967
Starting generation: 4968
Starting generation: 4969
Starting generation: 4970
Starting generation: 4971
Starting generation: 4972
Starting generation: 4973
Starting generation: 4974
Starting generation: 4975
Starting generation: 4976
Starting generation: 4977
Starting generation: 4978
Starting generation: 4979
Starting generation: 4980
Starting generation: 4981
Starting generation: 4982
Starting generation: 4983
Starting generation: 4984
Starting generation: 4985
Starting generation: 4986
Starting generation: 4987
Starting generation: 4988
Starting generation: 4989
Starting generation: 4990
Starting generation: 4991
Starting generation: 4992
Starting generation: 4993
Starting generation: 4994
Starting generation: 4995
Starting generation: 4996
Starting generation: 4997
Starting generation: 4998
Starting generation: 4999
Starting generation: 5000
Starting generation: 5001
Starting generation: 5002
Starting generation: 5003
Starting generation: 5004
Starting generation: 5005
Starting generation: 5006
Starting generation: 5007
Starting generation: 5008
Starting generation: 5009
Starting generation: 5010
Starting generation: 5011
Starting generation: 5012
Starting generation: 5013
Starting generation: 5014

Starting generation: 5015
Starting generation: 5016
Starting generation: 5017
Starting generation: 5018
Starting generation: 5019
Starting generation: 5020
Starting generation: 5021
Starting generation: 5022
Starting generation: 5023
Starting generation: 5024
Starting generation: 5025
Starting generation: 5026
Starting generation: 5027
Starting generation: 5028
Starting generation: 5029
Starting generation: 5030
Starting generation: 5031
Starting generation: 5032
Starting generation: 5033
Starting generation: 5034
Starting generation: 5035
Starting generation: 5036
Starting generation: 5037
Starting generation: 5038
Starting generation: 5039
Starting generation: 5040
Starting generation: 5041
Starting generation: 5042
Starting generation: 5043
Starting generation: 5044
Starting generation: 5045
Starting generation: 5046
Starting generation: 5047
Starting generation: 5048
Starting generation: 5049
Starting generation: 5050
Starting generation: 5051
Starting generation: 5052
Starting generation: 5053
Starting generation: 5054
Starting generation: 5055
Starting generation: 5056
Starting generation: 5057
Starting generation: 5058
Starting generation: 5059
Starting generation: 5060
Starting generation: 5061
Starting generation: 5062

Starting generation: 5063
Starting generation: 5064
Starting generation: 5065
Starting generation: 5066
Starting generation: 5067
Starting generation: 5068
Starting generation: 5069
Starting generation: 5070
Starting generation: 5071
Starting generation: 5072
Starting generation: 5073
Starting generation: 5074
Starting generation: 5075
Starting generation: 5076
Starting generation: 5077
Starting generation: 5078
Starting generation: 5079
Starting generation: 5080
Starting generation: 5081
Starting generation: 5082
Starting generation: 5083
Starting generation: 5084
Starting generation: 5085
Starting generation: 5086
Starting generation: 5087
Starting generation: 5088
Starting generation: 5089
Starting generation: 5090
Starting generation: 5091
Starting generation: 5092
Starting generation: 5093
Starting generation: 5094
Starting generation: 5095
Starting generation: 5096
Starting generation: 5097
Starting generation: 5098
Starting generation: 5099
Starting generation: 5100
Starting generation: 5101
Starting generation: 5102
Starting generation: 5103
Starting generation: 5104
Starting generation: 5105
Starting generation: 5106
Starting generation: 5107
Starting generation: 5108
Starting generation: 5109
Starting generation: 5110

Starting generation: 5111
Starting generation: 5112
Starting generation: 5113
Starting generation: 5114
Starting generation: 5115
Starting generation: 5116
Starting generation: 5117
Starting generation: 5118
Starting generation: 5119
Starting generation: 5120
Starting generation: 5121
Starting generation: 5122
Starting generation: 5123
Starting generation: 5124
Starting generation: 5125
Starting generation: 5126
Starting generation: 5127
Starting generation: 5128
Starting generation: 5129
Starting generation: 5130
Starting generation: 5131
Starting generation: 5132
Starting generation: 5133
Starting generation: 5134
Starting generation: 5135
Starting generation: 5136
Starting generation: 5137
Starting generation: 5138
Starting generation: 5139
Starting generation: 5140
Starting generation: 5141
Starting generation: 5142
Starting generation: 5143
Starting generation: 5144
Starting generation: 5145
Starting generation: 5146
Starting generation: 5147
Starting generation: 5148
Starting generation: 5149
Starting generation: 5150
Starting generation: 5151
Starting generation: 5152
Starting generation: 5153
Starting generation: 5154
Starting generation: 5155
Starting generation: 5156
Starting generation: 5157
Starting generation: 5158

Starting generation: 5159
Starting generation: 5160
Starting generation: 5161
Starting generation: 5162
Starting generation: 5163
Starting generation: 5164
Starting generation: 5165
Starting generation: 5166
Starting generation: 5167
Starting generation: 5168
Starting generation: 5169
Starting generation: 5170
Starting generation: 5171
Starting generation: 5172
Starting generation: 5173
Starting generation: 5174
Starting generation: 5175
Starting generation: 5176
Starting generation: 5177
Starting generation: 5178
Starting generation: 5179
Starting generation: 5180
Starting generation: 5181
Starting generation: 5182
Starting generation: 5183
Starting generation: 5184
Starting generation: 5185
Starting generation: 5186
Starting generation: 5187
Starting generation: 5188
Starting generation: 5189
Starting generation: 5190
Starting generation: 5191
Starting generation: 5192
Starting generation: 5193
Starting generation: 5194
Starting generation: 5195
Starting generation: 5196
Starting generation: 5197
Starting generation: 5198
Starting generation: 5199
Starting generation: 5200
Starting generation: 5201
Starting generation: 5202
Starting generation: 5203
Starting generation: 5204
Starting generation: 5205
Starting generation: 5206

Starting generation: 5207
Starting generation: 5208
Starting generation: 5209
Starting generation: 5210
Starting generation: 5211
Starting generation: 5212
Starting generation: 5213
Starting generation: 5214
Starting generation: 5215
Starting generation: 5216
Starting generation: 5217
Starting generation: 5218
Starting generation: 5219
Starting generation: 5220
Starting generation: 5221
Starting generation: 5222
Starting generation: 5223
Starting generation: 5224
Starting generation: 5225
Starting generation: 5226
Starting generation: 5227
Starting generation: 5228
Starting generation: 5229
Starting generation: 5230
Starting generation: 5231
Starting generation: 5232
Starting generation: 5233
Starting generation: 5234
Starting generation: 5235
Starting generation: 5236
Starting generation: 5237
Starting generation: 5238
Starting generation: 5239
Starting generation: 5240
Starting generation: 5241
Starting generation: 5242
Starting generation: 5243
Starting generation: 5244
Starting generation: 5245
Starting generation: 5246
Starting generation: 5247
Starting generation: 5248
Starting generation: 5249
Starting generation: 5250
Starting generation: 5251
Starting generation: 5252
Starting generation: 5253
Starting generation: 5254

Starting generation: 5255
Starting generation: 5256
Starting generation: 5257
Starting generation: 5258
Starting generation: 5259
Starting generation: 5260
Starting generation: 5261
Starting generation: 5262
Starting generation: 5263
Starting generation: 5264
Starting generation: 5265
Starting generation: 5266
Starting generation: 5267
Starting generation: 5268
Starting generation: 5269
Starting generation: 5270
Starting generation: 5271
Starting generation: 5272
Starting generation: 5273
Starting generation: 5274
Starting generation: 5275
Starting generation: 5276
Starting generation: 5277
Starting generation: 5278
Starting generation: 5279
Starting generation: 5280
Starting generation: 5281
Starting generation: 5282
Starting generation: 5283
Starting generation: 5284
Starting generation: 5285
Starting generation: 5286
Starting generation: 5287
Starting generation: 5288
Starting generation: 5289
Starting generation: 5290
Starting generation: 5291
Starting generation: 5292
Starting generation: 5293
Starting generation: 5294
Starting generation: 5295
Starting generation: 5296
Starting generation: 5297
Starting generation: 5298
Starting generation: 5299
Starting generation: 5300
Starting generation: 5301
Starting generation: 5302

Starting generation: 5303
Starting generation: 5304
Starting generation: 5305
Starting generation: 5306
Starting generation: 5307
Starting generation: 5308
Starting generation: 5309
Starting generation: 5310
Starting generation: 5311
Starting generation: 5312
Starting generation: 5313
Starting generation: 5314
Starting generation: 5315
Starting generation: 5316
Starting generation: 5317
Starting generation: 5318
Starting generation: 5319
Starting generation: 5320
Starting generation: 5321
Starting generation: 5322
Starting generation: 5323
Starting generation: 5324
Starting generation: 5325
Starting generation: 5326
Starting generation: 5327
Starting generation: 5328
Starting generation: 5329
Starting generation: 5330
Starting generation: 5331
Starting generation: 5332
Starting generation: 5333
Starting generation: 5334
Starting generation: 5335
Starting generation: 5336
Starting generation: 5337
Starting generation: 5338
Starting generation: 5339
Starting generation: 5340
Starting generation: 5341
Starting generation: 5342
Starting generation: 5343
Starting generation: 5344
Starting generation: 5345
Starting generation: 5346
Starting generation: 5347
Starting generation: 5348
Starting generation: 5349
Starting generation: 5350

Starting generation: 5351
Starting generation: 5352
Starting generation: 5353
Starting generation: 5354
Starting generation: 5355
Starting generation: 5356
Starting generation: 5357
Starting generation: 5358
Starting generation: 5359
Starting generation: 5360
Starting generation: 5361
Starting generation: 5362
Starting generation: 5363
Starting generation: 5364
Starting generation: 5365
Starting generation: 5366
Starting generation: 5367
Starting generation: 5368
Starting generation: 5369
Starting generation: 5370
Starting generation: 5371
Starting generation: 5372
Starting generation: 5373
Starting generation: 5374
Starting generation: 5375
Starting generation: 5376
Starting generation: 5377
Starting generation: 5378
Starting generation: 5379
Starting generation: 5380
Starting generation: 5381
Starting generation: 5382
Starting generation: 5383
Starting generation: 5384
Starting generation: 5385
Starting generation: 5386
Starting generation: 5387
Starting generation: 5388
Starting generation: 5389
Starting generation: 5390
Starting generation: 5391
Starting generation: 5392
Starting generation: 5393
Starting generation: 5394
Starting generation: 5395
Starting generation: 5396
Starting generation: 5397
Starting generation: 5398

Starting generation: 5399
Starting generation: 5400
Starting generation: 5401
Starting generation: 5402
Starting generation: 5403
Starting generation: 5404
Starting generation: 5405
Starting generation: 5406
Starting generation: 5407
Starting generation: 5408
Starting generation: 5409
Starting generation: 5410
Starting generation: 5411
Starting generation: 5412
Starting generation: 5413
Starting generation: 5414
Starting generation: 5415
Starting generation: 5416
Starting generation: 5417
Starting generation: 5418
Starting generation: 5419
Starting generation: 5420
Starting generation: 5421
Starting generation: 5422
Starting generation: 5423
Starting generation: 5424
Starting generation: 5425
Starting generation: 5426
Starting generation: 5427
Starting generation: 5428
Starting generation: 5429
Starting generation: 5430
Starting generation: 5431
Starting generation: 5432
Starting generation: 5433
Starting generation: 5434
Starting generation: 5435
Starting generation: 5436
Starting generation: 5437
Starting generation: 5438
Starting generation: 5439
Starting generation: 5440
Starting generation: 5441
Starting generation: 5442
Starting generation: 5443
Starting generation: 5444
Starting generation: 5445
Starting generation: 5446

Starting generation: 5447
Starting generation: 5448
Starting generation: 5449
Starting generation: 5450
Starting generation: 5451
Starting generation: 5452
Starting generation: 5453
Starting generation: 5454
Starting generation: 5455
Starting generation: 5456
Starting generation: 5457
Starting generation: 5458
Starting generation: 5459
Starting generation: 5460
Starting generation: 5461
Starting generation: 5462
Starting generation: 5463
Starting generation: 5464
Starting generation: 5465
Starting generation: 5466
Starting generation: 5467
Starting generation: 5468
Starting generation: 5469
Starting generation: 5470
Starting generation: 5471
Starting generation: 5472
Starting generation: 5473
Starting generation: 5474
Starting generation: 5475
Starting generation: 5476
Starting generation: 5477
Starting generation: 5478
Starting generation: 5479
Starting generation: 5480
Starting generation: 5481
Starting generation: 5482
Starting generation: 5483
Starting generation: 5484
Starting generation: 5485
Starting generation: 5486
Starting generation: 5487
Starting generation: 5488
Starting generation: 5489
Starting generation: 5490
Starting generation: 5491
Starting generation: 5492
Starting generation: 5493
Starting generation: 5494

Starting generation: 5495
Starting generation: 5496
Starting generation: 5497
Starting generation: 5498
Starting generation: 5499
Starting generation: 5500
Starting generation: 5501
Starting generation: 5502
Starting generation: 5503
Starting generation: 5504
Starting generation: 5505
Starting generation: 5506
Starting generation: 5507
Starting generation: 5508
Starting generation: 5509
Starting generation: 5510
Starting generation: 5511
Starting generation: 5512
Starting generation: 5513
Starting generation: 5514
Starting generation: 5515
Starting generation: 5516
Starting generation: 5517
Starting generation: 5518
Starting generation: 5519
Starting generation: 5520
Starting generation: 5521
Starting generation: 5522
Starting generation: 5523
Starting generation: 5524
Starting generation: 5525
Starting generation: 5526
Starting generation: 5527
Starting generation: 5528
Starting generation: 5529
Starting generation: 5530
Starting generation: 5531
Starting generation: 5532
Starting generation: 5533
Starting generation: 5534
Starting generation: 5535
Starting generation: 5536
Starting generation: 5537
Starting generation: 5538
Starting generation: 5539
Starting generation: 5540
Starting generation: 5541
Starting generation: 5542

Starting generation: 5543
Starting generation: 5544
Starting generation: 5545
Starting generation: 5546
Starting generation: 5547
Starting generation: 5548
Starting generation: 5549
Starting generation: 5550
Starting generation: 5551
Starting generation: 5552
Starting generation: 5553
Starting generation: 5554
Starting generation: 5555
Starting generation: 5556
Starting generation: 5557
Starting generation: 5558
Starting generation: 5559
Starting generation: 5560
Starting generation: 5561
Starting generation: 5562
Starting generation: 5563
Starting generation: 5564
Starting generation: 5565
Starting generation: 5566
Starting generation: 5567
Starting generation: 5568
Starting generation: 5569
Starting generation: 5570
Starting generation: 5571
Starting generation: 5572
Starting generation: 5573
Starting generation: 5574
Starting generation: 5575
Starting generation: 5576
Starting generation: 5577
Starting generation: 5578
Starting generation: 5579
Starting generation: 5580
Starting generation: 5581
Starting generation: 5582
Starting generation: 5583
Starting generation: 5584
Starting generation: 5585
Starting generation: 5586
Starting generation: 5587
Starting generation: 5588
Starting generation: 5589
Starting generation: 5590

Starting generation: 5591
Starting generation: 5592
Starting generation: 5593
Starting generation: 5594
Starting generation: 5595
Starting generation: 5596
Starting generation: 5597
Starting generation: 5598
Starting generation: 5599
Starting generation: 5600
Starting generation: 5601
Starting generation: 5602
Starting generation: 5603
Starting generation: 5604
Starting generation: 5605
Starting generation: 5606
Starting generation: 5607
Starting generation: 5608
Starting generation: 5609
Starting generation: 5610
Starting generation: 5611
Starting generation: 5612
Starting generation: 5613
Starting generation: 5614
Starting generation: 5615
Starting generation: 5616
Starting generation: 5617
Starting generation: 5618
Starting generation: 5619
Starting generation: 5620
Starting generation: 5621
Starting generation: 5622
Starting generation: 5623
Starting generation: 5624
Starting generation: 5625
Starting generation: 5626
Starting generation: 5627
Starting generation: 5628
Starting generation: 5629
Starting generation: 5630
Starting generation: 5631
Starting generation: 5632
Starting generation: 5633
Starting generation: 5634
Starting generation: 5635
Starting generation: 5636
Starting generation: 5637
Starting generation: 5638

Starting generation: 5639
Starting generation: 5640
Starting generation: 5641
Starting generation: 5642
Starting generation: 5643
Starting generation: 5644
Starting generation: 5645
Starting generation: 5646
Starting generation: 5647
Starting generation: 5648
Starting generation: 5649
Starting generation: 5650
Starting generation: 5651
Starting generation: 5652
Starting generation: 5653
Starting generation: 5654
Starting generation: 5655
Starting generation: 5656
Starting generation: 5657
Starting generation: 5658
Starting generation: 5659
Starting generation: 5660
Starting generation: 5661
Starting generation: 5662
Starting generation: 5663
Starting generation: 5664
Starting generation: 5665
Starting generation: 5666
Starting generation: 5667
Starting generation: 5668
Starting generation: 5669
Starting generation: 5670
Starting generation: 5671
Starting generation: 5672
Starting generation: 5673
Starting generation: 5674
Starting generation: 5675
Starting generation: 5676
Starting generation: 5677
Starting generation: 5678
Starting generation: 5679
Starting generation: 5680
Starting generation: 5681
Starting generation: 5682
Starting generation: 5683
Starting generation: 5684
Starting generation: 5685
Starting generation: 5686

Starting generation: 5687
Starting generation: 5688
Starting generation: 5689
Starting generation: 5690
Starting generation: 5691
Starting generation: 5692
Starting generation: 5693
Starting generation: 5694
Starting generation: 5695
Starting generation: 5696
Starting generation: 5697
Starting generation: 5698
Starting generation: 5699
Starting generation: 5700
Starting generation: 5701
Starting generation: 5702
Starting generation: 5703
Starting generation: 5704
Starting generation: 5705
Starting generation: 5706
Starting generation: 5707
Starting generation: 5708
Starting generation: 5709
Starting generation: 5710
Starting generation: 5711
Starting generation: 5712
Starting generation: 5713
Starting generation: 5714
Starting generation: 5715
Starting generation: 5716
Starting generation: 5717
Starting generation: 5718
Starting generation: 5719
Starting generation: 5720
Starting generation: 5721
Starting generation: 5722
Starting generation: 5723
Starting generation: 5724
Starting generation: 5725
Starting generation: 5726
Starting generation: 5727
Starting generation: 5728
Starting generation: 5729
Starting generation: 5730
Starting generation: 5731
Starting generation: 5732
Starting generation: 5733
Starting generation: 5734

Starting generation: 5735
Starting generation: 5736
Starting generation: 5737
Starting generation: 5738
Starting generation: 5739
Starting generation: 5740
Starting generation: 5741
Starting generation: 5742
Starting generation: 5743
Starting generation: 5744
Starting generation: 5745
Starting generation: 5746
Starting generation: 5747
Starting generation: 5748
Starting generation: 5749
Starting generation: 5750
Starting generation: 5751
Starting generation: 5752
Starting generation: 5753
Starting generation: 5754
Starting generation: 5755
Starting generation: 5756
Starting generation: 5757
Starting generation: 5758
Starting generation: 5759
Starting generation: 5760
Starting generation: 5761
Starting generation: 5762
Starting generation: 5763
Starting generation: 5764
Starting generation: 5765
Starting generation: 5766
Starting generation: 5767
Starting generation: 5768
Starting generation: 5769
Starting generation: 5770
Starting generation: 5771
Starting generation: 5772
Starting generation: 5773
Starting generation: 5774
Starting generation: 5775
Starting generation: 5776
Starting generation: 5777
Starting generation: 5778
Starting generation: 5779
Starting generation: 5780
Starting generation: 5781
Starting generation: 5782

Starting generation: 5783
Starting generation: 5784
Starting generation: 5785
Starting generation: 5786
Starting generation: 5787
Starting generation: 5788
Starting generation: 5789
Starting generation: 5790
Starting generation: 5791
Starting generation: 5792
Starting generation: 5793
Starting generation: 5794
Starting generation: 5795
Starting generation: 5796
Starting generation: 5797
Starting generation: 5798
Starting generation: 5799
Starting generation: 5800
Starting generation: 5801
Starting generation: 5802
Starting generation: 5803
Starting generation: 5804
Starting generation: 5805
Starting generation: 5806
Starting generation: 5807
Starting generation: 5808
Starting generation: 5809
Starting generation: 5810
Starting generation: 5811
Starting generation: 5812
Starting generation: 5813
Starting generation: 5814
Starting generation: 5815
Starting generation: 5816
Starting generation: 5817
Starting generation: 5818
Starting generation: 5819
Starting generation: 5820
Starting generation: 5821
Starting generation: 5822
Starting generation: 5823
Starting generation: 5824
Starting generation: 5825
Starting generation: 5826
Starting generation: 5827
Starting generation: 5828
Starting generation: 5829
Starting generation: 5830

Starting generation: 5831
Starting generation: 5832
Starting generation: 5833
Starting generation: 5834
Starting generation: 5835
Starting generation: 5836
Starting generation: 5837
Starting generation: 5838
Starting generation: 5839
Starting generation: 5840
Starting generation: 5841
Starting generation: 5842
Starting generation: 5843
Starting generation: 5844
Starting generation: 5845
Starting generation: 5846
Starting generation: 5847
Starting generation: 5848
Starting generation: 5849
Starting generation: 5850
Starting generation: 5851
Starting generation: 5852
Starting generation: 5853
Starting generation: 5854
Starting generation: 5855
Starting generation: 5856
Starting generation: 5857
Starting generation: 5858
Starting generation: 5859
Starting generation: 5860
Starting generation: 5861
Starting generation: 5862
Starting generation: 5863
Starting generation: 5864
Starting generation: 5865
Starting generation: 5866
Starting generation: 5867
Starting generation: 5868
Starting generation: 5869
Starting generation: 5870
Starting generation: 5871
Starting generation: 5872
Starting generation: 5873
Starting generation: 5874
Starting generation: 5875
Starting generation: 5876
Starting generation: 5877
Starting generation: 5878

Starting generation: 5879
Starting generation: 5880
Starting generation: 5881
Starting generation: 5882
Starting generation: 5883
Starting generation: 5884
Starting generation: 5885
Starting generation: 5886
Starting generation: 5887
Starting generation: 5888
Starting generation: 5889
Starting generation: 5890
Starting generation: 5891
Starting generation: 5892
Starting generation: 5893
Starting generation: 5894
Starting generation: 5895
Starting generation: 5896
Starting generation: 5897
Starting generation: 5898
Starting generation: 5899
Starting generation: 5900
Starting generation: 5901
Starting generation: 5902
Starting generation: 5903
Starting generation: 5904
Starting generation: 5905
Starting generation: 5906
Starting generation: 5907
Starting generation: 5908
Starting generation: 5909
Starting generation: 5910
Starting generation: 5911
Starting generation: 5912
Starting generation: 5913
Starting generation: 5914
Starting generation: 5915
Starting generation: 5916
Starting generation: 5917
Starting generation: 5918
Starting generation: 5919
Starting generation: 5920
Starting generation: 5921
Starting generation: 5922
Starting generation: 5923
Starting generation: 5924
Starting generation: 5925
Starting generation: 5926

Starting generation: 5927
Starting generation: 5928
Starting generation: 5929
Starting generation: 5930
Starting generation: 5931
Starting generation: 5932
Starting generation: 5933
Starting generation: 5934
Starting generation: 5935
Starting generation: 5936
Starting generation: 5937
Starting generation: 5938
Starting generation: 5939
Starting generation: 5940
Starting generation: 5941
Starting generation: 5942
Starting generation: 5943
Starting generation: 5944
Starting generation: 5945
Starting generation: 5946
Starting generation: 5947
Starting generation: 5948
Starting generation: 5949
Starting generation: 5950
Starting generation: 5951
Starting generation: 5952
Starting generation: 5953
Starting generation: 5954
Starting generation: 5955
Starting generation: 5956
Starting generation: 5957
Starting generation: 5958
Starting generation: 5959
Starting generation: 5960
Starting generation: 5961
Starting generation: 5962
Starting generation: 5963
Starting generation: 5964
Starting generation: 5965
Starting generation: 5966
Starting generation: 5967
Starting generation: 5968
Starting generation: 5969
Starting generation: 5970
Starting generation: 5971
Starting generation: 5972
Starting generation: 5973
Starting generation: 5974

Starting generation: 5975
Starting generation: 5976
Starting generation: 5977
Starting generation: 5978
Starting generation: 5979
Starting generation: 5980
Starting generation: 5981
Starting generation: 5982
Starting generation: 5983
Starting generation: 5984
Starting generation: 5985
Starting generation: 5986
Starting generation: 5987
Starting generation: 5988
Starting generation: 5989
Starting generation: 5990
Starting generation: 5991
Starting generation: 5992
Starting generation: 5993
Starting generation: 5994
Starting generation: 5995
Starting generation: 5996
Starting generation: 5997
Starting generation: 5998
Starting generation: 5999
Starting generation: 6000
Starting generation: 6001
Starting generation: 6002
Starting generation: 6003
Starting generation: 6004
Starting generation: 6005
Starting generation: 6006
Starting generation: 6007
Starting generation: 6008
Starting generation: 6009
Starting generation: 6010
Starting generation: 6011
Starting generation: 6012
Starting generation: 6013
Starting generation: 6014
Starting generation: 6015
Starting generation: 6016
Starting generation: 6017
Starting generation: 6018
Starting generation: 6019
Starting generation: 6020
Starting generation: 6021
Starting generation: 6022

Starting generation: 6023
Starting generation: 6024
Starting generation: 6025
Starting generation: 6026
Starting generation: 6027
Starting generation: 6028
Starting generation: 6029
Starting generation: 6030
Starting generation: 6031
Starting generation: 6032
Starting generation: 6033
Starting generation: 6034
Starting generation: 6035
Starting generation: 6036
Starting generation: 6037
Starting generation: 6038
Starting generation: 6039
Starting generation: 6040
Starting generation: 6041
Starting generation: 6042
Starting generation: 6043
Starting generation: 6044
Starting generation: 6045
Starting generation: 6046
Starting generation: 6047
Starting generation: 6048
Starting generation: 6049
Starting generation: 6050
Starting generation: 6051
Starting generation: 6052
Starting generation: 6053
Starting generation: 6054
Starting generation: 6055
Starting generation: 6056
Starting generation: 6057
Starting generation: 6058
Starting generation: 6059
Starting generation: 6060
Starting generation: 6061
Starting generation: 6062
Starting generation: 6063
Starting generation: 6064
Starting generation: 6065
Starting generation: 6066
Starting generation: 6067
Starting generation: 6068
Starting generation: 6069
Starting generation: 6070

Starting generation: 6071
Starting generation: 6072
Starting generation: 6073
Starting generation: 6074
Starting generation: 6075
Starting generation: 6076
Starting generation: 6077
Starting generation: 6078
Starting generation: 6079
Starting generation: 6080
Starting generation: 6081
Starting generation: 6082
Starting generation: 6083
Starting generation: 6084
Starting generation: 6085
Starting generation: 6086
Starting generation: 6087
Starting generation: 6088
Starting generation: 6089
Starting generation: 6090
Starting generation: 6091
Starting generation: 6092
Starting generation: 6093
Starting generation: 6094
Starting generation: 6095
Starting generation: 6096
Starting generation: 6097
Starting generation: 6098
Starting generation: 6099
Starting generation: 6100
Starting generation: 6101
Starting generation: 6102
Starting generation: 6103
Starting generation: 6104
Starting generation: 6105
Starting generation: 6106
Starting generation: 6107
Starting generation: 6108
Starting generation: 6109
Starting generation: 6110
Starting generation: 6111
Starting generation: 6112
Starting generation: 6113
Starting generation: 6114
Starting generation: 6115
Starting generation: 6116
Starting generation: 6117
Starting generation: 6118

Starting generation: 6119
Starting generation: 6120
Starting generation: 6121
Starting generation: 6122
Starting generation: 6123
Starting generation: 6124
Starting generation: 6125
Starting generation: 6126
Starting generation: 6127
Starting generation: 6128
Starting generation: 6129
Starting generation: 6130
Starting generation: 6131
Starting generation: 6132
Starting generation: 6133
Starting generation: 6134
Starting generation: 6135
Starting generation: 6136
Starting generation: 6137
Starting generation: 6138
Starting generation: 6139
Starting generation: 6140
Starting generation: 6141
Starting generation: 6142
Starting generation: 6143
Starting generation: 6144
Starting generation: 6145
Starting generation: 6146
Starting generation: 6147
Starting generation: 6148
Starting generation: 6149
Starting generation: 6150
Starting generation: 6151
Starting generation: 6152
Starting generation: 6153
Starting generation: 6154
Starting generation: 6155
Starting generation: 6156
Starting generation: 6157
Starting generation: 6158
Starting generation: 6159
Starting generation: 6160
Starting generation: 6161
Starting generation: 6162
Starting generation: 6163
Starting generation: 6164
Starting generation: 6165
Starting generation: 6166

Starting generation: 6167
Starting generation: 6168
Starting generation: 6169
Starting generation: 6170
Starting generation: 6171
Starting generation: 6172
Starting generation: 6173
Starting generation: 6174
Starting generation: 6175
Starting generation: 6176
Starting generation: 6177
Starting generation: 6178
Starting generation: 6179
Starting generation: 6180
Starting generation: 6181
Starting generation: 6182
Starting generation: 6183
Starting generation: 6184
Starting generation: 6185
Starting generation: 6186
Starting generation: 6187
Starting generation: 6188
Starting generation: 6189
Starting generation: 6190
Starting generation: 6191
Starting generation: 6192
Starting generation: 6193
Starting generation: 6194
Starting generation: 6195
Starting generation: 6196
Starting generation: 6197
Starting generation: 6198
Starting generation: 6199
Starting generation: 6200
Starting generation: 6201
Starting generation: 6202
Starting generation: 6203
Starting generation: 6204
Starting generation: 6205
Starting generation: 6206
Starting generation: 6207
Starting generation: 6208
Starting generation: 6209
Starting generation: 6210
Starting generation: 6211
Starting generation: 6212
Starting generation: 6213
Starting generation: 6214

Starting generation: 6215
Starting generation: 6216
Starting generation: 6217
Starting generation: 6218
Starting generation: 6219
Starting generation: 6220
Starting generation: 6221
Starting generation: 6222
Starting generation: 6223
Starting generation: 6224
Starting generation: 6225
Starting generation: 6226
Starting generation: 6227
Starting generation: 6228
Starting generation: 6229
Starting generation: 6230
Starting generation: 6231
Starting generation: 6232
Starting generation: 6233
Starting generation: 6234
Starting generation: 6235
Starting generation: 6236
Starting generation: 6237
Starting generation: 6238
Starting generation: 6239
Starting generation: 6240
Starting generation: 6241
Starting generation: 6242
Starting generation: 6243
Starting generation: 6244
Starting generation: 6245
Starting generation: 6246
Starting generation: 6247
Starting generation: 6248
Starting generation: 6249
Starting generation: 6250
Starting generation: 6251
Starting generation: 6252
Starting generation: 6253
Starting generation: 6254
Starting generation: 6255
Starting generation: 6256
Starting generation: 6257
Starting generation: 6258
Starting generation: 6259
Starting generation: 6260
Starting generation: 6261
Starting generation: 6262

Starting generation: 6263
Starting generation: 6264
Starting generation: 6265
Starting generation: 6266
Starting generation: 6267
Starting generation: 6268
Starting generation: 6269
Starting generation: 6270
Starting generation: 6271
Starting generation: 6272
Starting generation: 6273
Starting generation: 6274
Starting generation: 6275
Starting generation: 6276
Starting generation: 6277
Starting generation: 6278
Starting generation: 6279
Starting generation: 6280
Starting generation: 6281
Starting generation: 6282
Starting generation: 6283
Starting generation: 6284
Starting generation: 6285
Starting generation: 6286
Starting generation: 6287
Starting generation: 6288
Starting generation: 6289
Starting generation: 6290
Starting generation: 6291
Starting generation: 6292
Starting generation: 6293
Starting generation: 6294
Starting generation: 6295
Starting generation: 6296
Starting generation: 6297
Starting generation: 6298
Starting generation: 6299
Starting generation: 6300
Starting generation: 6301
Starting generation: 6302
Starting generation: 6303
Starting generation: 6304
Starting generation: 6305
Starting generation: 6306
Starting generation: 6307
Starting generation: 6308
Starting generation: 6309
Starting generation: 6310

Starting generation: 6311
Starting generation: 6312
Starting generation: 6313
Starting generation: 6314
Starting generation: 6315
Starting generation: 6316
Starting generation: 6317
Starting generation: 6318
Starting generation: 6319
Starting generation: 6320
Starting generation: 6321
Starting generation: 6322
Starting generation: 6323
Starting generation: 6324
Starting generation: 6325
Starting generation: 6326
Starting generation: 6327
Starting generation: 6328
Starting generation: 6329
Starting generation: 6330
Starting generation: 6331
Starting generation: 6332
Starting generation: 6333
Starting generation: 6334
Starting generation: 6335
Starting generation: 6336
Starting generation: 6337
Starting generation: 6338
Starting generation: 6339
Starting generation: 6340
Starting generation: 6341
Starting generation: 6342
Starting generation: 6343
Starting generation: 6344
Starting generation: 6345
Starting generation: 6346
Starting generation: 6347
Starting generation: 6348
Starting generation: 6349
Starting generation: 6350
Starting generation: 6351
Starting generation: 6352
Starting generation: 6353
Starting generation: 6354
Starting generation: 6355
Starting generation: 6356
Starting generation: 6357
Starting generation: 6358

Starting generation: 6359
Starting generation: 6360
Starting generation: 6361
Starting generation: 6362
Starting generation: 6363
Starting generation: 6364
Starting generation: 6365
Starting generation: 6366
Starting generation: 6367
Starting generation: 6368
Starting generation: 6369
Starting generation: 6370
Starting generation: 6371
Starting generation: 6372
Starting generation: 6373
Starting generation: 6374
Starting generation: 6375
Starting generation: 6376
Starting generation: 6377
Starting generation: 6378
Starting generation: 6379
Starting generation: 6380
Starting generation: 6381
Starting generation: 6382
Starting generation: 6383
Starting generation: 6384
Starting generation: 6385
Starting generation: 6386
Starting generation: 6387
Starting generation: 6388
Starting generation: 6389
Starting generation: 6390
Starting generation: 6391
Starting generation: 6392
Starting generation: 6393
Starting generation: 6394
Starting generation: 6395
Starting generation: 6396
Starting generation: 6397
Starting generation: 6398
Starting generation: 6399
Starting generation: 6400
Starting generation: 6401
Starting generation: 6402
Starting generation: 6403
Starting generation: 6404
Starting generation: 6405
Starting generation: 6406

Starting generation: 6407
Starting generation: 6408
Starting generation: 6409
Starting generation: 6410
Starting generation: 6411
Starting generation: 6412
Starting generation: 6413
Starting generation: 6414
Starting generation: 6415
Starting generation: 6416
Starting generation: 6417
Starting generation: 6418
Starting generation: 6419
Starting generation: 6420
Starting generation: 6421
Starting generation: 6422
Starting generation: 6423
Starting generation: 6424
Starting generation: 6425
Starting generation: 6426
Starting generation: 6427
Starting generation: 6428
Starting generation: 6429
Starting generation: 6430
Starting generation: 6431
Starting generation: 6432
Starting generation: 6433
Starting generation: 6434
Starting generation: 6435
Starting generation: 6436
Starting generation: 6437
Starting generation: 6438
Starting generation: 6439
Starting generation: 6440
Starting generation: 6441
Starting generation: 6442
Starting generation: 6443
Starting generation: 6444
Starting generation: 6445
Starting generation: 6446
Starting generation: 6447
Starting generation: 6448
Starting generation: 6449
Starting generation: 6450
Starting generation: 6451
Starting generation: 6452
Starting generation: 6453
Starting generation: 6454

Starting generation: 6455
Starting generation: 6456
Starting generation: 6457
Starting generation: 6458
Starting generation: 6459
Starting generation: 6460
Starting generation: 6461
Starting generation: 6462
Starting generation: 6463
Starting generation: 6464
Starting generation: 6465
Starting generation: 6466
Starting generation: 6467
Starting generation: 6468
Starting generation: 6469
Starting generation: 6470
Starting generation: 6471
Starting generation: 6472
Starting generation: 6473
Starting generation: 6474
Starting generation: 6475
Starting generation: 6476
Starting generation: 6477
Starting generation: 6478
Starting generation: 6479
Starting generation: 6480
Starting generation: 6481
Starting generation: 6482
Starting generation: 6483
Starting generation: 6484
Starting generation: 6485
Starting generation: 6486
Starting generation: 6487
Starting generation: 6488
Starting generation: 6489
Starting generation: 6490
Starting generation: 6491
Starting generation: 6492
Starting generation: 6493
Starting generation: 6494
Starting generation: 6495
Starting generation: 6496
Starting generation: 6497
Starting generation: 6498
Starting generation: 6499
Starting generation: 6500
Starting generation: 6501
Starting generation: 6502

Starting generation: 6503
Starting generation: 6504
Starting generation: 6505
Starting generation: 6506
Starting generation: 6507
Starting generation: 6508
Starting generation: 6509
Starting generation: 6510
Starting generation: 6511
Starting generation: 6512
Starting generation: 6513
Starting generation: 6514
Starting generation: 6515
Starting generation: 6516
Starting generation: 6517
Starting generation: 6518
Starting generation: 6519
Starting generation: 6520
Starting generation: 6521
Starting generation: 6522
Starting generation: 6523
Starting generation: 6524
Starting generation: 6525
Starting generation: 6526
Starting generation: 6527
Starting generation: 6528
Starting generation: 6529
Starting generation: 6530
Starting generation: 6531
Starting generation: 6532
Starting generation: 6533
Starting generation: 6534
Starting generation: 6535
Starting generation: 6536
Starting generation: 6537
Starting generation: 6538
Starting generation: 6539
Starting generation: 6540
Starting generation: 6541
Starting generation: 6542
Starting generation: 6543
Starting generation: 6544
Starting generation: 6545
Starting generation: 6546
Starting generation: 6547
Starting generation: 6548
Starting generation: 6549
Starting generation: 6550

Starting generation: 6551
Starting generation: 6552
Starting generation: 6553
Starting generation: 6554
Starting generation: 6555
Starting generation: 6556
Starting generation: 6557
Starting generation: 6558
Starting generation: 6559
Starting generation: 6560
Starting generation: 6561
Starting generation: 6562
Starting generation: 6563
Starting generation: 6564
Starting generation: 6565
Starting generation: 6566
Starting generation: 6567
Starting generation: 6568
Starting generation: 6569
Starting generation: 6570
Starting generation: 6571
Starting generation: 6572
Starting generation: 6573
Starting generation: 6574
Starting generation: 6575
Starting generation: 6576
Starting generation: 6577
Starting generation: 6578
Starting generation: 6579
Starting generation: 6580
Starting generation: 6581
Starting generation: 6582
Starting generation: 6583
Starting generation: 6584
Starting generation: 6585
Starting generation: 6586
Starting generation: 6587
Starting generation: 6588
Starting generation: 6589
Starting generation: 6590
Starting generation: 6591
Starting generation: 6592
Starting generation: 6593
Starting generation: 6594
Starting generation: 6595
Starting generation: 6596
Starting generation: 6597
Starting generation: 6598

Starting generation: 6599
Starting generation: 6600
Starting generation: 6601
Starting generation: 6602
Starting generation: 6603
Starting generation: 6604
Starting generation: 6605
Starting generation: 6606
Starting generation: 6607
Starting generation: 6608
Starting generation: 6609
Starting generation: 6610
Starting generation: 6611
Starting generation: 6612
Starting generation: 6613
Starting generation: 6614
Starting generation: 6615
Starting generation: 6616
Starting generation: 6617
Starting generation: 6618
Starting generation: 6619
Starting generation: 6620
Starting generation: 6621
Starting generation: 6622
Starting generation: 6623
Starting generation: 6624
Starting generation: 6625
Starting generation: 6626
Starting generation: 6627
Starting generation: 6628
Starting generation: 6629
Starting generation: 6630
Starting generation: 6631
Starting generation: 6632
Starting generation: 6633
Starting generation: 6634
Starting generation: 6635
Starting generation: 6636
Starting generation: 6637
Starting generation: 6638
Starting generation: 6639
Starting generation: 6640
Starting generation: 6641
Starting generation: 6642
Starting generation: 6643
Starting generation: 6644
Starting generation: 6645
Starting generation: 6646

Starting generation: 6647
Starting generation: 6648
Starting generation: 6649
Starting generation: 6650
Starting generation: 6651
Starting generation: 6652
Starting generation: 6653
Starting generation: 6654
Starting generation: 6655
Starting generation: 6656
Starting generation: 6657
Starting generation: 6658
Starting generation: 6659
Starting generation: 6660
Starting generation: 6661
Starting generation: 6662
Starting generation: 6663
Starting generation: 6664
Starting generation: 6665
Starting generation: 6666
Starting generation: 6667
Starting generation: 6668
Starting generation: 6669
Starting generation: 6670
Starting generation: 6671
Starting generation: 6672
Starting generation: 6673
Starting generation: 6674
Starting generation: 6675
Starting generation: 6676
Starting generation: 6677
Starting generation: 6678
Starting generation: 6679
Starting generation: 6680
Starting generation: 6681
Starting generation: 6682
Starting generation: 6683
Starting generation: 6684
Starting generation: 6685
Starting generation: 6686
Starting generation: 6687
Starting generation: 6688
Starting generation: 6689
Starting generation: 6690
Starting generation: 6691
Starting generation: 6692
Starting generation: 6693
Starting generation: 6694

Starting generation: 6695
Starting generation: 6696
Starting generation: 6697
Starting generation: 6698
Starting generation: 6699
Starting generation: 6700
Starting generation: 6701
Starting generation: 6702
Starting generation: 6703
Starting generation: 6704
Starting generation: 6705
Starting generation: 6706
Starting generation: 6707
Starting generation: 6708
Starting generation: 6709
Starting generation: 6710
Starting generation: 6711
Starting generation: 6712
Starting generation: 6713
Starting generation: 6714
Starting generation: 6715
Starting generation: 6716
Starting generation: 6717
Starting generation: 6718
Starting generation: 6719
Starting generation: 6720
Starting generation: 6721
Starting generation: 6722
Starting generation: 6723
Starting generation: 6724
Starting generation: 6725
Starting generation: 6726
Starting generation: 6727
Starting generation: 6728
Starting generation: 6729
Starting generation: 6730
Starting generation: 6731
Starting generation: 6732
Starting generation: 6733
Starting generation: 6734
Starting generation: 6735
Starting generation: 6736
Starting generation: 6737
Starting generation: 6738
Starting generation: 6739
Starting generation: 6740
Starting generation: 6741
Starting generation: 6742

Starting generation: 6743
Starting generation: 6744
Starting generation: 6745
Starting generation: 6746
Starting generation: 6747
Starting generation: 6748
Starting generation: 6749
Starting generation: 6750
Starting generation: 6751
Starting generation: 6752
Starting generation: 6753
Starting generation: 6754
Starting generation: 6755
Starting generation: 6756
Starting generation: 6757
Starting generation: 6758
Starting generation: 6759
Starting generation: 6760
Starting generation: 6761
Starting generation: 6762
Starting generation: 6763
Starting generation: 6764
Starting generation: 6765
Starting generation: 6766
Starting generation: 6767
Starting generation: 6768
Starting generation: 6769
Starting generation: 6770
Starting generation: 6771
Starting generation: 6772
Starting generation: 6773
Starting generation: 6774
Starting generation: 6775
Starting generation: 6776
Starting generation: 6777
Starting generation: 6778
Starting generation: 6779
Starting generation: 6780
Starting generation: 6781
Starting generation: 6782
Starting generation: 6783
Starting generation: 6784
Starting generation: 6785
Starting generation: 6786
Starting generation: 6787
Starting generation: 6788
Starting generation: 6789
Starting generation: 6790

Starting generation: 6791
Starting generation: 6792
Starting generation: 6793
Starting generation: 6794
Starting generation: 6795
Starting generation: 6796
Starting generation: 6797
Starting generation: 6798
Starting generation: 6799
Starting generation: 6800
Starting generation: 6801
Starting generation: 6802
Starting generation: 6803
Starting generation: 6804
Starting generation: 6805
Starting generation: 6806
Starting generation: 6807
Starting generation: 6808
Starting generation: 6809
Starting generation: 6810
Starting generation: 6811
Starting generation: 6812
Starting generation: 6813
Starting generation: 6814
Starting generation: 6815
Starting generation: 6816
Starting generation: 6817
Starting generation: 6818
Starting generation: 6819
Starting generation: 6820
Starting generation: 6821
Starting generation: 6822
Starting generation: 6823
Starting generation: 6824
Starting generation: 6825
Starting generation: 6826
Starting generation: 6827
Starting generation: 6828
Starting generation: 6829
Starting generation: 6830
Starting generation: 6831
Starting generation: 6832
Starting generation: 6833
Starting generation: 6834
Starting generation: 6835
Starting generation: 6836
Starting generation: 6837
Starting generation: 6838

Starting generation: 6839
Starting generation: 6840
Starting generation: 6841
Starting generation: 6842
Starting generation: 6843
Starting generation: 6844
Starting generation: 6845
Starting generation: 6846
Starting generation: 6847
Starting generation: 6848
Starting generation: 6849
Starting generation: 6850
Starting generation: 6851
Starting generation: 6852
Starting generation: 6853
Starting generation: 6854
Starting generation: 6855
Starting generation: 6856
Starting generation: 6857
Starting generation: 6858
Starting generation: 6859
Starting generation: 6860
Starting generation: 6861
Starting generation: 6862
Starting generation: 6863
Starting generation: 6864
Starting generation: 6865
Starting generation: 6866
Starting generation: 6867
Starting generation: 6868
Starting generation: 6869
Starting generation: 6870
Starting generation: 6871
Starting generation: 6872
Starting generation: 6873
Starting generation: 6874
Starting generation: 6875
Starting generation: 6876
Starting generation: 6877
Starting generation: 6878
Starting generation: 6879
Starting generation: 6880
Starting generation: 6881
Starting generation: 6882
Starting generation: 6883
Starting generation: 6884
Starting generation: 6885
Starting generation: 6886

Starting generation: 6887
Starting generation: 6888
Starting generation: 6889
Starting generation: 6890
Starting generation: 6891
Starting generation: 6892
Starting generation: 6893
Starting generation: 6894
Starting generation: 6895
Starting generation: 6896
Starting generation: 6897
Starting generation: 6898
Starting generation: 6899
Starting generation: 6900
Starting generation: 6901
Starting generation: 6902
Starting generation: 6903
Starting generation: 6904
Starting generation: 6905
Starting generation: 6906
Starting generation: 6907
Starting generation: 6908
Starting generation: 6909
Starting generation: 6910
Starting generation: 6911
Starting generation: 6912
Starting generation: 6913
Starting generation: 6914
Starting generation: 6915
Starting generation: 6916
Starting generation: 6917
Starting generation: 6918
Starting generation: 6919
Starting generation: 6920
Starting generation: 6921
Starting generation: 6922
Starting generation: 6923
Starting generation: 6924
Starting generation: 6925
Starting generation: 6926
Starting generation: 6927
Starting generation: 6928
Starting generation: 6929
Starting generation: 6930
Starting generation: 6931
Starting generation: 6932
Starting generation: 6933
Starting generation: 6934

Starting generation: 6935
Starting generation: 6936
Starting generation: 6937
Starting generation: 6938
Starting generation: 6939
Starting generation: 6940
Starting generation: 6941
Starting generation: 6942
Starting generation: 6943
Starting generation: 6944
Starting generation: 6945
Starting generation: 6946
Starting generation: 6947
Starting generation: 6948
Starting generation: 6949
Starting generation: 6950
Starting generation: 6951
Starting generation: 6952
Starting generation: 6953
Starting generation: 6954
Starting generation: 6955
Starting generation: 6956
Starting generation: 6957
Starting generation: 6958
Starting generation: 6959
Starting generation: 6960
Starting generation: 6961
Starting generation: 6962
Starting generation: 6963
Starting generation: 6964
Starting generation: 6965
Starting generation: 6966
Starting generation: 6967
Starting generation: 6968
Starting generation: 6969
Starting generation: 6970
Starting generation: 6971
Starting generation: 6972
Starting generation: 6973
Starting generation: 6974
Starting generation: 6975
Starting generation: 6976
Starting generation: 6977
Starting generation: 6978
Starting generation: 6979
Starting generation: 6980
Starting generation: 6981
Starting generation: 6982

Starting generation: 6983
Starting generation: 6984
Starting generation: 6985
Starting generation: 6986
Starting generation: 6987
Starting generation: 6988
Starting generation: 6989
Starting generation: 6990
Starting generation: 6991
Starting generation: 6992
Starting generation: 6993
Starting generation: 6994
Starting generation: 6995
Starting generation: 6996
Starting generation: 6997
Starting generation: 6998
Starting generation: 6999
Starting generation: 7000
Starting generation: 7001
Starting generation: 7002
Starting generation: 7003
Starting generation: 7004
Starting generation: 7005
Starting generation: 7006
Starting generation: 7007
Starting generation: 7008
Starting generation: 7009
Starting generation: 7010
Starting generation: 7011
Starting generation: 7012
Starting generation: 7013
Starting generation: 7014
Starting generation: 7015
Starting generation: 7016
Starting generation: 7017
Starting generation: 7018
Starting generation: 7019
Starting generation: 7020
Starting generation: 7021
Starting generation: 7022
Starting generation: 7023
Starting generation: 7024
Starting generation: 7025
Starting generation: 7026
Starting generation: 7027
Starting generation: 7028
Starting generation: 7029
Starting generation: 7030

Starting generation: 7031
Starting generation: 7032
Starting generation: 7033
Starting generation: 7034
Starting generation: 7035
Starting generation: 7036
Starting generation: 7037
Starting generation: 7038
Starting generation: 7039
Starting generation: 7040
Starting generation: 7041
Starting generation: 7042
Starting generation: 7043
Starting generation: 7044
Starting generation: 7045
Starting generation: 7046
Starting generation: 7047
Starting generation: 7048
Starting generation: 7049
Starting generation: 7050
Starting generation: 7051
Starting generation: 7052
Starting generation: 7053
Starting generation: 7054
Starting generation: 7055
Starting generation: 7056
Starting generation: 7057
Starting generation: 7058
Starting generation: 7059
Starting generation: 7060
Starting generation: 7061
Starting generation: 7062
Starting generation: 7063
Starting generation: 7064
Starting generation: 7065
Starting generation: 7066
Starting generation: 7067
Starting generation: 7068
Starting generation: 7069
Starting generation: 7070
Starting generation: 7071
Starting generation: 7072
Starting generation: 7073
Starting generation: 7074
Starting generation: 7075
Starting generation: 7076
Starting generation: 7077
Starting generation: 7078

Starting generation: 7079
Starting generation: 7080
Starting generation: 7081
Starting generation: 7082
Starting generation: 7083
Starting generation: 7084
Starting generation: 7085
Starting generation: 7086
Starting generation: 7087
Starting generation: 7088
Starting generation: 7089
Starting generation: 7090
Starting generation: 7091
Starting generation: 7092
Starting generation: 7093
Starting generation: 7094
Starting generation: 7095
Starting generation: 7096
Starting generation: 7097
Starting generation: 7098
Starting generation: 7099
Starting generation: 7100
Starting generation: 7101
Starting generation: 7102
Starting generation: 7103
Starting generation: 7104
Starting generation: 7105
Starting generation: 7106
Starting generation: 7107
Starting generation: 7108
Starting generation: 7109
Starting generation: 7110
Starting generation: 7111
Starting generation: 7112
Starting generation: 7113
Starting generation: 7114
Starting generation: 7115
Starting generation: 7116
Starting generation: 7117
Starting generation: 7118
Starting generation: 7119
Starting generation: 7120
Starting generation: 7121
Starting generation: 7122
Starting generation: 7123
Starting generation: 7124
Starting generation: 7125
Starting generation: 7126

Starting generation: 7127
Starting generation: 7128
Starting generation: 7129
Starting generation: 7130
Starting generation: 7131
Starting generation: 7132
Starting generation: 7133
Starting generation: 7134
Starting generation: 7135
Starting generation: 7136
Starting generation: 7137
Starting generation: 7138
Starting generation: 7139
Starting generation: 7140
Starting generation: 7141
Starting generation: 7142
Starting generation: 7143
Starting generation: 7144
Starting generation: 7145
Starting generation: 7146
Starting generation: 7147
Starting generation: 7148
Starting generation: 7149
Starting generation: 7150
Starting generation: 7151
Starting generation: 7152
Starting generation: 7153
Starting generation: 7154
Starting generation: 7155
Starting generation: 7156
Starting generation: 7157
Starting generation: 7158
Starting generation: 7159
Starting generation: 7160
Starting generation: 7161
Starting generation: 7162
Starting generation: 7163
Starting generation: 7164
Starting generation: 7165
Starting generation: 7166
Starting generation: 7167
Starting generation: 7168
Starting generation: 7169
Starting generation: 7170
Starting generation: 7171
Starting generation: 7172
Starting generation: 7173
Starting generation: 7174

Starting generation: 7175
Starting generation: 7176
Starting generation: 7177
Starting generation: 7178
Starting generation: 7179
Starting generation: 7180
Starting generation: 7181
Starting generation: 7182
Starting generation: 7183
Starting generation: 7184
Starting generation: 7185
Starting generation: 7186
Starting generation: 7187
Starting generation: 7188
Starting generation: 7189
Starting generation: 7190
Starting generation: 7191
Starting generation: 7192
Starting generation: 7193
Starting generation: 7194
Starting generation: 7195
Starting generation: 7196
Starting generation: 7197
Starting generation: 7198
Starting generation: 7199
Starting generation: 7200
Starting generation: 7201
Starting generation: 7202
Starting generation: 7203
Starting generation: 7204
Starting generation: 7205
Starting generation: 7206
Starting generation: 7207
Starting generation: 7208
Starting generation: 7209
Starting generation: 7210
Starting generation: 7211
Starting generation: 7212
Starting generation: 7213
Starting generation: 7214
Starting generation: 7215
Starting generation: 7216
Starting generation: 7217
Starting generation: 7218
Starting generation: 7219
Starting generation: 7220
Starting generation: 7221
Starting generation: 7222

Starting generation: 7223
Starting generation: 7224
Starting generation: 7225
Starting generation: 7226
Starting generation: 7227
Starting generation: 7228
Starting generation: 7229
Starting generation: 7230
Starting generation: 7231
Starting generation: 7232
Starting generation: 7233
Starting generation: 7234
Starting generation: 7235
Starting generation: 7236
Starting generation: 7237
Starting generation: 7238
Starting generation: 7239
Starting generation: 7240
Starting generation: 7241
Starting generation: 7242
Starting generation: 7243
Starting generation: 7244
Starting generation: 7245
Starting generation: 7246
Starting generation: 7247
Starting generation: 7248
Starting generation: 7249
Starting generation: 7250
Starting generation: 7251
Starting generation: 7252
Starting generation: 7253
Starting generation: 7254
Starting generation: 7255
Starting generation: 7256
Starting generation: 7257
Starting generation: 7258
Starting generation: 7259
Starting generation: 7260
Starting generation: 7261
Starting generation: 7262
Starting generation: 7263
Starting generation: 7264
Starting generation: 7265
Starting generation: 7266
Starting generation: 7267
Starting generation: 7268
Starting generation: 7269
Starting generation: 7270

Starting generation: 7271
Starting generation: 7272
Starting generation: 7273
Starting generation: 7274
Starting generation: 7275
Starting generation: 7276
Starting generation: 7277
Starting generation: 7278
Starting generation: 7279
Starting generation: 7280
Starting generation: 7281
Starting generation: 7282
Starting generation: 7283
Starting generation: 7284
Starting generation: 7285
Starting generation: 7286
Starting generation: 7287
Starting generation: 7288
Starting generation: 7289
Starting generation: 7290
Starting generation: 7291
Starting generation: 7292
Starting generation: 7293
Starting generation: 7294
Starting generation: 7295
Starting generation: 7296
Starting generation: 7297
Starting generation: 7298
Starting generation: 7299
Starting generation: 7300
Starting generation: 7301
Starting generation: 7302
Starting generation: 7303
Starting generation: 7304
Starting generation: 7305
Starting generation: 7306
Starting generation: 7307
Starting generation: 7308
Starting generation: 7309
Starting generation: 7310
Starting generation: 7311
Starting generation: 7312
Starting generation: 7313
Starting generation: 7314
Starting generation: 7315
Starting generation: 7316
Starting generation: 7317
Starting generation: 7318

Starting generation: 7319
Starting generation: 7320
Starting generation: 7321
Starting generation: 7322
Starting generation: 7323
Starting generation: 7324
Starting generation: 7325
Starting generation: 7326
Starting generation: 7327
Starting generation: 7328
Starting generation: 7329
Starting generation: 7330
Starting generation: 7331
Starting generation: 7332
Starting generation: 7333
Starting generation: 7334
Starting generation: 7335
Starting generation: 7336
Starting generation: 7337
Starting generation: 7338
Starting generation: 7339
Starting generation: 7340
Starting generation: 7341
Starting generation: 7342
Starting generation: 7343
Starting generation: 7344
Starting generation: 7345
Starting generation: 7346
Starting generation: 7347
Starting generation: 7348
Starting generation: 7349
Starting generation: 7350
Starting generation: 7351
Starting generation: 7352
Starting generation: 7353
Starting generation: 7354
Starting generation: 7355
Starting generation: 7356
Starting generation: 7357
Starting generation: 7358
Starting generation: 7359
Starting generation: 7360
Starting generation: 7361
Starting generation: 7362
Starting generation: 7363
Starting generation: 7364
Starting generation: 7365
Starting generation: 7366

Starting generation: 7367
Starting generation: 7368
Starting generation: 7369
Starting generation: 7370
Starting generation: 7371
Starting generation: 7372
Starting generation: 7373
Starting generation: 7374
Starting generation: 7375
Starting generation: 7376
Starting generation: 7377
Starting generation: 7378
Starting generation: 7379
Starting generation: 7380
Starting generation: 7381
Starting generation: 7382
Starting generation: 7383
Starting generation: 7384
Starting generation: 7385
Starting generation: 7386
Starting generation: 7387
Starting generation: 7388
Starting generation: 7389
Starting generation: 7390
Starting generation: 7391
Starting generation: 7392
Starting generation: 7393
Starting generation: 7394
Starting generation: 7395
Starting generation: 7396
Starting generation: 7397
Starting generation: 7398
Starting generation: 7399
Starting generation: 7400
Starting generation: 7401
Starting generation: 7402
Starting generation: 7403
Starting generation: 7404
Starting generation: 7405
Starting generation: 7406
Starting generation: 7407
Starting generation: 7408
Starting generation: 7409
Starting generation: 7410
Starting generation: 7411
Starting generation: 7412
Starting generation: 7413
Starting generation: 7414

Starting generation: 7415
Starting generation: 7416
Starting generation: 7417
Starting generation: 7418
Starting generation: 7419
Starting generation: 7420
Starting generation: 7421
Starting generation: 7422
Starting generation: 7423
Starting generation: 7424
Starting generation: 7425
Starting generation: 7426
Starting generation: 7427
Starting generation: 7428
Starting generation: 7429
Starting generation: 7430
Starting generation: 7431
Starting generation: 7432
Starting generation: 7433
Starting generation: 7434
Starting generation: 7435
Starting generation: 7436
Starting generation: 7437
Starting generation: 7438
Starting generation: 7439
Starting generation: 7440
Starting generation: 7441
Starting generation: 7442
Starting generation: 7443
Starting generation: 7444
Starting generation: 7445
Starting generation: 7446
Starting generation: 7447
Starting generation: 7448
Starting generation: 7449
Starting generation: 7450
Starting generation: 7451
Starting generation: 7452
Starting generation: 7453
Starting generation: 7454
Starting generation: 7455
Starting generation: 7456
Starting generation: 7457
Starting generation: 7458
Starting generation: 7459
Starting generation: 7460
Starting generation: 7461
Starting generation: 7462

Starting generation: 7463
Starting generation: 7464
Starting generation: 7465
Starting generation: 7466
Starting generation: 7467
Starting generation: 7468
Starting generation: 7469
Starting generation: 7470
Starting generation: 7471
Starting generation: 7472
Starting generation: 7473
Starting generation: 7474
Starting generation: 7475
Starting generation: 7476
Starting generation: 7477
Starting generation: 7478
Starting generation: 7479
Starting generation: 7480
Starting generation: 7481
Starting generation: 7482
Starting generation: 7483
Starting generation: 7484
Starting generation: 7485
Starting generation: 7486
Starting generation: 7487
Starting generation: 7488
Starting generation: 7489
Starting generation: 7490
Starting generation: 7491
Starting generation: 7492
Starting generation: 7493
Starting generation: 7494
Starting generation: 7495
Starting generation: 7496
Starting generation: 7497
Starting generation: 7498
Starting generation: 7499
Starting generation: 7500
Starting generation: 7501
Starting generation: 7502
Starting generation: 7503
Starting generation: 7504
Starting generation: 7505
Starting generation: 7506
Starting generation: 7507
Starting generation: 7508
Starting generation: 7509
Starting generation: 7510

Starting generation: 7511
Starting generation: 7512
Starting generation: 7513
Starting generation: 7514
Starting generation: 7515
Starting generation: 7516
Starting generation: 7517
Starting generation: 7518
Starting generation: 7519
Starting generation: 7520
Starting generation: 7521
Starting generation: 7522
Starting generation: 7523
Starting generation: 7524
Starting generation: 7525
Starting generation: 7526
Starting generation: 7527
Starting generation: 7528
Starting generation: 7529
Starting generation: 7530
Starting generation: 7531
Starting generation: 7532
Starting generation: 7533
Starting generation: 7534
Starting generation: 7535
Starting generation: 7536
Starting generation: 7537
Starting generation: 7538
Starting generation: 7539
Starting generation: 7540
Starting generation: 7541
Starting generation: 7542
Starting generation: 7543
Starting generation: 7544
Starting generation: 7545
Starting generation: 7546
Starting generation: 7547
Starting generation: 7548
Starting generation: 7549
Starting generation: 7550
Starting generation: 7551
Starting generation: 7552
Starting generation: 7553
Starting generation: 7554
Starting generation: 7555
Starting generation: 7556
Starting generation: 7557
Starting generation: 7558

Starting generation: 7559
Starting generation: 7560
Starting generation: 7561
Starting generation: 7562
Starting generation: 7563
Starting generation: 7564
Starting generation: 7565
Starting generation: 7566
Starting generation: 7567
Starting generation: 7568
Starting generation: 7569
Starting generation: 7570
Starting generation: 7571
Starting generation: 7572
Starting generation: 7573
Starting generation: 7574
Starting generation: 7575
Starting generation: 7576
Starting generation: 7577
Starting generation: 7578
Starting generation: 7579
Starting generation: 7580
Starting generation: 7581
Starting generation: 7582
Starting generation: 7583
Starting generation: 7584
Starting generation: 7585
Starting generation: 7586
Starting generation: 7587
Starting generation: 7588
Starting generation: 7589
Starting generation: 7590
Starting generation: 7591
Starting generation: 7592
Starting generation: 7593
Starting generation: 7594
Starting generation: 7595
Starting generation: 7596
Starting generation: 7597
Starting generation: 7598
Starting generation: 7599
Starting generation: 7600
Starting generation: 7601
Starting generation: 7602
Starting generation: 7603
Starting generation: 7604
Starting generation: 7605
Starting generation: 7606

Starting generation: 7607
Starting generation: 7608
Starting generation: 7609
Starting generation: 7610
Starting generation: 7611
Starting generation: 7612
Starting generation: 7613
Starting generation: 7614
Starting generation: 7615
Starting generation: 7616
Starting generation: 7617
Starting generation: 7618
Starting generation: 7619
Starting generation: 7620
Starting generation: 7621
Starting generation: 7622
Starting generation: 7623
Starting generation: 7624
Starting generation: 7625
Starting generation: 7626
Starting generation: 7627
Starting generation: 7628
Starting generation: 7629
Starting generation: 7630
Starting generation: 7631
Starting generation: 7632
Starting generation: 7633
Starting generation: 7634
Starting generation: 7635
Starting generation: 7636
Starting generation: 7637
Starting generation: 7638
Starting generation: 7639
Starting generation: 7640
Starting generation: 7641
Starting generation: 7642
Starting generation: 7643
Starting generation: 7644
Starting generation: 7645
Starting generation: 7646
Starting generation: 7647
Starting generation: 7648
Starting generation: 7649
Starting generation: 7650
Starting generation: 7651
Starting generation: 7652
Starting generation: 7653
Starting generation: 7654

Starting generation: 7655
Starting generation: 7656
Starting generation: 7657
Starting generation: 7658
Starting generation: 7659
Starting generation: 7660
Starting generation: 7661
Starting generation: 7662
Starting generation: 7663
Starting generation: 7664
Starting generation: 7665
Starting generation: 7666
Starting generation: 7667
Starting generation: 7668
Starting generation: 7669
Starting generation: 7670
Starting generation: 7671
Starting generation: 7672
Starting generation: 7673
Starting generation: 7674
Starting generation: 7675
Starting generation: 7676
Starting generation: 7677
Starting generation: 7678
Starting generation: 7679
Starting generation: 7680
Starting generation: 7681
Starting generation: 7682
Starting generation: 7683
Starting generation: 7684
Starting generation: 7685
Starting generation: 7686
Starting generation: 7687
Starting generation: 7688
Starting generation: 7689
Starting generation: 7690
Starting generation: 7691
Starting generation: 7692
Starting generation: 7693
Starting generation: 7694
Starting generation: 7695
Starting generation: 7696
Starting generation: 7697
Starting generation: 7698
Starting generation: 7699
Starting generation: 7700
Starting generation: 7701
Starting generation: 7702

Starting generation: 7703
Starting generation: 7704
Starting generation: 7705
Starting generation: 7706
Starting generation: 7707
Starting generation: 7708
Starting generation: 7709
Starting generation: 7710
Starting generation: 7711
Starting generation: 7712
Starting generation: 7713
Starting generation: 7714
Starting generation: 7715
Starting generation: 7716
Starting generation: 7717
Starting generation: 7718
Starting generation: 7719
Starting generation: 7720
Starting generation: 7721
Starting generation: 7722
Starting generation: 7723
Starting generation: 7724
Starting generation: 7725
Starting generation: 7726
Starting generation: 7727
Starting generation: 7728
Starting generation: 7729
Starting generation: 7730
Starting generation: 7731
Starting generation: 7732
Starting generation: 7733
Starting generation: 7734
Starting generation: 7735
Starting generation: 7736
Starting generation: 7737
Starting generation: 7738
Starting generation: 7739
Starting generation: 7740
Starting generation: 7741
Starting generation: 7742
Starting generation: 7743
Starting generation: 7744
Starting generation: 7745
Starting generation: 7746
Starting generation: 7747
Starting generation: 7748
Starting generation: 7749
Starting generation: 7750

Starting generation: 7751
Starting generation: 7752
Starting generation: 7753
Starting generation: 7754
Starting generation: 7755
Starting generation: 7756
Starting generation: 7757
Starting generation: 7758
Starting generation: 7759
Starting generation: 7760
Starting generation: 7761
Starting generation: 7762
Starting generation: 7763
Starting generation: 7764
Starting generation: 7765
Starting generation: 7766
Starting generation: 7767
Starting generation: 7768
Starting generation: 7769
Starting generation: 7770
Starting generation: 7771
Starting generation: 7772
Starting generation: 7773
Starting generation: 7774
Starting generation: 7775
Starting generation: 7776
Starting generation: 7777
Starting generation: 7778
Starting generation: 7779
Starting generation: 7780
Starting generation: 7781
Starting generation: 7782
Starting generation: 7783
Starting generation: 7784
Starting generation: 7785
Starting generation: 7786
Starting generation: 7787
Starting generation: 7788
Starting generation: 7789
Starting generation: 7790
Starting generation: 7791
Starting generation: 7792
Starting generation: 7793
Starting generation: 7794
Starting generation: 7795
Starting generation: 7796
Starting generation: 7797
Starting generation: 7798

Starting generation: 7799
Starting generation: 7800
Starting generation: 7801
Starting generation: 7802
Starting generation: 7803
Starting generation: 7804
Starting generation: 7805
Starting generation: 7806
Starting generation: 7807
Starting generation: 7808
Starting generation: 7809
Starting generation: 7810
Starting generation: 7811
Starting generation: 7812
Starting generation: 7813
Starting generation: 7814
Starting generation: 7815
Starting generation: 7816
Starting generation: 7817
Starting generation: 7818
Starting generation: 7819
Starting generation: 7820
Starting generation: 7821
Starting generation: 7822
Starting generation: 7823
Starting generation: 7824
Starting generation: 7825
Starting generation: 7826
Starting generation: 7827
Starting generation: 7828
Starting generation: 7829
Starting generation: 7830
Starting generation: 7831
Starting generation: 7832
Starting generation: 7833
Starting generation: 7834
Starting generation: 7835
Starting generation: 7836
Starting generation: 7837
Starting generation: 7838
Starting generation: 7839
Starting generation: 7840
Starting generation: 7841
Starting generation: 7842
Starting generation: 7843
Starting generation: 7844
Starting generation: 7845
Starting generation: 7846

Starting generation: 7847
Starting generation: 7848
Starting generation: 7849
Starting generation: 7850
Starting generation: 7851
Starting generation: 7852
Starting generation: 7853
Starting generation: 7854
Starting generation: 7855
Starting generation: 7856
Starting generation: 7857
Starting generation: 7858
Starting generation: 7859
Starting generation: 7860
Starting generation: 7861
Starting generation: 7862
Starting generation: 7863
Starting generation: 7864
Starting generation: 7865
Starting generation: 7866
Starting generation: 7867
Starting generation: 7868
Starting generation: 7869
Starting generation: 7870
Starting generation: 7871
Starting generation: 7872
Starting generation: 7873
Starting generation: 7874
Starting generation: 7875
Starting generation: 7876
Starting generation: 7877
Starting generation: 7878
Starting generation: 7879
Starting generation: 7880
Starting generation: 7881
Starting generation: 7882
Starting generation: 7883
Starting generation: 7884
Starting generation: 7885
Starting generation: 7886
Starting generation: 7887
Starting generation: 7888
Starting generation: 7889
Starting generation: 7890
Starting generation: 7891
Starting generation: 7892
Starting generation: 7893
Starting generation: 7894

Starting generation: 7895
Starting generation: 7896
Starting generation: 7897
Starting generation: 7898
Starting generation: 7899
Starting generation: 7900
Starting generation: 7901
Starting generation: 7902
Starting generation: 7903
Starting generation: 7904
Starting generation: 7905
Starting generation: 7906
Starting generation: 7907
Starting generation: 7908
Starting generation: 7909
Starting generation: 7910
Starting generation: 7911
Starting generation: 7912
Starting generation: 7913
Starting generation: 7914
Starting generation: 7915
Starting generation: 7916
Starting generation: 7917
Starting generation: 7918
Starting generation: 7919
Starting generation: 7920
Starting generation: 7921
Starting generation: 7922
Starting generation: 7923
Starting generation: 7924
Starting generation: 7925
Starting generation: 7926
Starting generation: 7927
Starting generation: 7928
Starting generation: 7929
Starting generation: 7930
Starting generation: 7931
Starting generation: 7932
Starting generation: 7933
Starting generation: 7934
Starting generation: 7935
Starting generation: 7936
Starting generation: 7937
Starting generation: 7938
Starting generation: 7939
Starting generation: 7940
Starting generation: 7941
Starting generation: 7942

Starting generation: 7943
Starting generation: 7944
Starting generation: 7945
Starting generation: 7946
Starting generation: 7947
Starting generation: 7948
Starting generation: 7949
Starting generation: 7950
Starting generation: 7951
Starting generation: 7952
Starting generation: 7953
Starting generation: 7954
Starting generation: 7955
Starting generation: 7956
Starting generation: 7957
Starting generation: 7958
Starting generation: 7959
Starting generation: 7960
Starting generation: 7961
Starting generation: 7962
Starting generation: 7963
Starting generation: 7964
Starting generation: 7965
Starting generation: 7966
Starting generation: 7967
Starting generation: 7968
Starting generation: 7969
Starting generation: 7970
Starting generation: 7971
Starting generation: 7972
Starting generation: 7973
Starting generation: 7974
Starting generation: 7975
Starting generation: 7976
Starting generation: 7977
Starting generation: 7978
Starting generation: 7979
Starting generation: 7980
Starting generation: 7981
Starting generation: 7982
Starting generation: 7983
Starting generation: 7984
Starting generation: 7985
Starting generation: 7986
Starting generation: 7987
Starting generation: 7988
Starting generation: 7989
Starting generation: 7990

Starting generation: 7991
Starting generation: 7992
Starting generation: 7993
Starting generation: 7994
Starting generation: 7995
Starting generation: 7996
Starting generation: 7997
Starting generation: 7998
Starting generation: 7999
Starting generation: 8000
Starting generation: 8001
Starting generation: 8002
Starting generation: 8003
Starting generation: 8004
Starting generation: 8005
Starting generation: 8006
Starting generation: 8007
Starting generation: 8008
Starting generation: 8009
Starting generation: 8010
Starting generation: 8011
Starting generation: 8012
Starting generation: 8013
Starting generation: 8014
Starting generation: 8015
Starting generation: 8016
Starting generation: 8017
Starting generation: 8018
Starting generation: 8019
Starting generation: 8020
Starting generation: 8021
Starting generation: 8022
Starting generation: 8023
Starting generation: 8024
Starting generation: 8025
Starting generation: 8026
Starting generation: 8027
Starting generation: 8028
Starting generation: 8029
Starting generation: 8030
Starting generation: 8031
Starting generation: 8032
Starting generation: 8033
Starting generation: 8034
Starting generation: 8035
Starting generation: 8036
Starting generation: 8037
Starting generation: 8038

Starting generation: 8039
Starting generation: 8040
Starting generation: 8041
Starting generation: 8042
Starting generation: 8043
Starting generation: 8044
Starting generation: 8045
Starting generation: 8046
Starting generation: 8047
Starting generation: 8048
Starting generation: 8049
Starting generation: 8050
Starting generation: 8051
Starting generation: 8052
Starting generation: 8053
Starting generation: 8054
Starting generation: 8055
Starting generation: 8056
Starting generation: 8057
Starting generation: 8058
Starting generation: 8059
Starting generation: 8060
Starting generation: 8061
Starting generation: 8062
Starting generation: 8063
Starting generation: 8064
Starting generation: 8065
Starting generation: 8066
Starting generation: 8067
Starting generation: 8068
Starting generation: 8069
Starting generation: 8070
Starting generation: 8071
Starting generation: 8072
Starting generation: 8073
Starting generation: 8074
Starting generation: 8075
Starting generation: 8076
Starting generation: 8077
Starting generation: 8078
Starting generation: 8079
Starting generation: 8080
Starting generation: 8081
Starting generation: 8082
Starting generation: 8083
Starting generation: 8084
Starting generation: 8085
Starting generation: 8086

Starting generation: 8087
Starting generation: 8088
Starting generation: 8089
Starting generation: 8090
Starting generation: 8091
Starting generation: 8092
Starting generation: 8093
Starting generation: 8094
Starting generation: 8095
Starting generation: 8096
Starting generation: 8097
Starting generation: 8098
Starting generation: 8099
Starting generation: 8100
Starting generation: 8101
Starting generation: 8102
Starting generation: 8103
Starting generation: 8104
Starting generation: 8105
Starting generation: 8106
Starting generation: 8107
Starting generation: 8108
Starting generation: 8109
Starting generation: 8110
Starting generation: 8111
Starting generation: 8112
Starting generation: 8113
Starting generation: 8114
Starting generation: 8115
Starting generation: 8116
Starting generation: 8117
Starting generation: 8118
Starting generation: 8119
Starting generation: 8120
Starting generation: 8121
Starting generation: 8122
Starting generation: 8123
Starting generation: 8124
Starting generation: 8125
Starting generation: 8126
Starting generation: 8127
Starting generation: 8128
Starting generation: 8129
Starting generation: 8130
Starting generation: 8131
Starting generation: 8132
Starting generation: 8133
Starting generation: 8134

Starting generation: 8135
Starting generation: 8136
Starting generation: 8137
Starting generation: 8138
Starting generation: 8139
Starting generation: 8140
Starting generation: 8141
Starting generation: 8142
Starting generation: 8143
Starting generation: 8144
Starting generation: 8145
Starting generation: 8146
Starting generation: 8147
Starting generation: 8148
Starting generation: 8149
Starting generation: 8150
Starting generation: 8151
Starting generation: 8152
Starting generation: 8153
Starting generation: 8154
Starting generation: 8155
Starting generation: 8156
Starting generation: 8157
Starting generation: 8158
Starting generation: 8159
Starting generation: 8160
Starting generation: 8161
Starting generation: 8162
Starting generation: 8163
Starting generation: 8164
Starting generation: 8165
Starting generation: 8166
Starting generation: 8167
Starting generation: 8168
Starting generation: 8169
Starting generation: 8170
Starting generation: 8171
Starting generation: 8172
Starting generation: 8173
Starting generation: 8174
Starting generation: 8175
Starting generation: 8176
Starting generation: 8177
Starting generation: 8178
Starting generation: 8179
Starting generation: 8180
Starting generation: 8181
Starting generation: 8182

Starting generation: 8183
Starting generation: 8184
Starting generation: 8185
Starting generation: 8186
Starting generation: 8187
Starting generation: 8188
Starting generation: 8189
Starting generation: 8190
Starting generation: 8191
Starting generation: 8192
Starting generation: 8193
Starting generation: 8194
Starting generation: 8195
Starting generation: 8196
Starting generation: 8197
Starting generation: 8198
Starting generation: 8199
Starting generation: 8200
Starting generation: 8201
Starting generation: 8202
Starting generation: 8203
Starting generation: 8204
Starting generation: 8205
Starting generation: 8206
Starting generation: 8207
Starting generation: 8208
Starting generation: 8209
Starting generation: 8210
Starting generation: 8211
Starting generation: 8212
Starting generation: 8213
Starting generation: 8214
Starting generation: 8215
Starting generation: 8216
Starting generation: 8217
Starting generation: 8218
Starting generation: 8219
Starting generation: 8220
Starting generation: 8221
Starting generation: 8222
Starting generation: 8223
Starting generation: 8224
Starting generation: 8225
Starting generation: 8226
Starting generation: 8227
Starting generation: 8228
Starting generation: 8229
Starting generation: 8230

Starting generation: 8231
Starting generation: 8232
Starting generation: 8233
Starting generation: 8234
Starting generation: 8235
Starting generation: 8236
Starting generation: 8237
Starting generation: 8238
Starting generation: 8239
Starting generation: 8240
Starting generation: 8241
Starting generation: 8242
Starting generation: 8243
Starting generation: 8244
Starting generation: 8245
Starting generation: 8246
Starting generation: 8247
Starting generation: 8248
Starting generation: 8249
Starting generation: 8250
Starting generation: 8251
Starting generation: 8252
Starting generation: 8253
Starting generation: 8254
Starting generation: 8255
Starting generation: 8256
Starting generation: 8257
Starting generation: 8258
Starting generation: 8259
Starting generation: 8260
Starting generation: 8261
Starting generation: 8262
Starting generation: 8263
Starting generation: 8264
Starting generation: 8265
Starting generation: 8266
Starting generation: 8267
Starting generation: 8268
Starting generation: 8269
Starting generation: 8270
Starting generation: 8271
Starting generation: 8272
Starting generation: 8273
Starting generation: 8274
Starting generation: 8275
Starting generation: 8276
Starting generation: 8277
Starting generation: 8278

Starting generation: 8279
Starting generation: 8280
Starting generation: 8281
Starting generation: 8282
Starting generation: 8283
Starting generation: 8284
Starting generation: 8285
Starting generation: 8286
Starting generation: 8287
Starting generation: 8288
Starting generation: 8289
Starting generation: 8290
Starting generation: 8291
Starting generation: 8292
Starting generation: 8293
Starting generation: 8294
Starting generation: 8295
Starting generation: 8296
Starting generation: 8297
Starting generation: 8298
Starting generation: 8299
Starting generation: 8300
Starting generation: 8301
Starting generation: 8302
Starting generation: 8303
Starting generation: 8304
Starting generation: 8305
Starting generation: 8306
Starting generation: 8307
Starting generation: 8308
Starting generation: 8309
Starting generation: 8310
Starting generation: 8311
Starting generation: 8312
Starting generation: 8313
Starting generation: 8314
Starting generation: 8315
Starting generation: 8316
Starting generation: 8317
Starting generation: 8318
Starting generation: 8319
Starting generation: 8320
Starting generation: 8321
Starting generation: 8322
Starting generation: 8323
Starting generation: 8324
Starting generation: 8325
Starting generation: 8326

Starting generation: 8327
Starting generation: 8328
Starting generation: 8329
Starting generation: 8330
Starting generation: 8331
Starting generation: 8332
Starting generation: 8333
Starting generation: 8334
Starting generation: 8335
Starting generation: 8336
Starting generation: 8337
Starting generation: 8338
Starting generation: 8339
Starting generation: 8340
Starting generation: 8341
Starting generation: 8342
Starting generation: 8343
Starting generation: 8344
Starting generation: 8345
Starting generation: 8346
Starting generation: 8347
Starting generation: 8348
Starting generation: 8349
Starting generation: 8350
Starting generation: 8351
Starting generation: 8352
Starting generation: 8353
Starting generation: 8354
Starting generation: 8355
Starting generation: 8356
Starting generation: 8357
Starting generation: 8358
Starting generation: 8359
Starting generation: 8360
Starting generation: 8361
Starting generation: 8362
Starting generation: 8363
Starting generation: 8364
Starting generation: 8365
Starting generation: 8366
Starting generation: 8367
Starting generation: 8368
Starting generation: 8369
Starting generation: 8370
Starting generation: 8371
Starting generation: 8372
Starting generation: 8373
Starting generation: 8374

Starting generation: 8375
Starting generation: 8376
Starting generation: 8377
Starting generation: 8378
Starting generation: 8379
Starting generation: 8380
Starting generation: 8381
Starting generation: 8382
Starting generation: 8383
Starting generation: 8384
Starting generation: 8385
Starting generation: 8386
Starting generation: 8387
Starting generation: 8388
Starting generation: 8389
Starting generation: 8390
Starting generation: 8391
Starting generation: 8392
Starting generation: 8393
Starting generation: 8394
Starting generation: 8395
Starting generation: 8396
Starting generation: 8397
Starting generation: 8398
Starting generation: 8399
Starting generation: 8400
Starting generation: 8401
Starting generation: 8402
Starting generation: 8403
Starting generation: 8404
Starting generation: 8405
Starting generation: 8406
Starting generation: 8407
Starting generation: 8408
Starting generation: 8409
Starting generation: 8410
Starting generation: 8411
Starting generation: 8412
Starting generation: 8413
Starting generation: 8414
Starting generation: 8415
Starting generation: 8416
Starting generation: 8417
Starting generation: 8418
Starting generation: 8419
Starting generation: 8420
Starting generation: 8421
Starting generation: 8422

Starting generation: 8423
Starting generation: 8424
Starting generation: 8425
Starting generation: 8426
Starting generation: 8427
Starting generation: 8428
Starting generation: 8429
Starting generation: 8430
Starting generation: 8431
Starting generation: 8432
Starting generation: 8433
Starting generation: 8434
Starting generation: 8435
Starting generation: 8436
Starting generation: 8437
Starting generation: 8438
Starting generation: 8439
Starting generation: 8440
Starting generation: 8441
Starting generation: 8442
Starting generation: 8443
Starting generation: 8444
Starting generation: 8445
Starting generation: 8446
Starting generation: 8447
Starting generation: 8448
Starting generation: 8449
Starting generation: 8450
Starting generation: 8451
Starting generation: 8452
Starting generation: 8453
Starting generation: 8454
Starting generation: 8455
Starting generation: 8456
Starting generation: 8457
Starting generation: 8458
Starting generation: 8459
Starting generation: 8460
Starting generation: 8461
Starting generation: 8462
Starting generation: 8463
Starting generation: 8464
Starting generation: 8465
Starting generation: 8466
Starting generation: 8467
Starting generation: 8468
Starting generation: 8469
Starting generation: 8470

Starting generation: 8471
Starting generation: 8472
Starting generation: 8473
Starting generation: 8474
Starting generation: 8475
Starting generation: 8476
Starting generation: 8477
Starting generation: 8478
Starting generation: 8479
Starting generation: 8480
Starting generation: 8481
Starting generation: 8482
Starting generation: 8483
Starting generation: 8484
Starting generation: 8485
Starting generation: 8486
Starting generation: 8487
Starting generation: 8488
Starting generation: 8489
Starting generation: 8490
Starting generation: 8491
Starting generation: 8492
Starting generation: 8493
Starting generation: 8494
Starting generation: 8495
Starting generation: 8496
Starting generation: 8497
Starting generation: 8498
Starting generation: 8499
Starting generation: 8500
Starting generation: 8501
Starting generation: 8502
Starting generation: 8503
Starting generation: 8504
Starting generation: 8505
Starting generation: 8506
Starting generation: 8507
Starting generation: 8508
Starting generation: 8509
Starting generation: 8510
Starting generation: 8511
Starting generation: 8512
Starting generation: 8513
Starting generation: 8514
Starting generation: 8515
Starting generation: 8516
Starting generation: 8517
Starting generation: 8518

Starting generation: 8519
Starting generation: 8520
Starting generation: 8521
Starting generation: 8522
Starting generation: 8523
Starting generation: 8524
Starting generation: 8525
Starting generation: 8526
Starting generation: 8527
Starting generation: 8528
Starting generation: 8529
Starting generation: 8530
Starting generation: 8531
Starting generation: 8532
Starting generation: 8533
Starting generation: 8534
Starting generation: 8535
Starting generation: 8536
Starting generation: 8537
Starting generation: 8538
Starting generation: 8539
Starting generation: 8540
Starting generation: 8541
Starting generation: 8542
Starting generation: 8543
Starting generation: 8544
Starting generation: 8545
Starting generation: 8546
Starting generation: 8547
Starting generation: 8548
Starting generation: 8549
Starting generation: 8550
Starting generation: 8551
Starting generation: 8552
Starting generation: 8553
Starting generation: 8554
Starting generation: 8555
Starting generation: 8556
Starting generation: 8557
Starting generation: 8558
Starting generation: 8559
Starting generation: 8560
Starting generation: 8561
Starting generation: 8562
Starting generation: 8563
Starting generation: 8564
Starting generation: 8565
Starting generation: 8566

Starting generation: 8567
Starting generation: 8568
Starting generation: 8569
Starting generation: 8570
Starting generation: 8571
Starting generation: 8572
Starting generation: 8573
Starting generation: 8574
Starting generation: 8575
Starting generation: 8576
Starting generation: 8577
Starting generation: 8578
Starting generation: 8579
Starting generation: 8580
Starting generation: 8581
Starting generation: 8582
Starting generation: 8583
Starting generation: 8584
Starting generation: 8585
Starting generation: 8586
Starting generation: 8587
Starting generation: 8588
Starting generation: 8589
Starting generation: 8590
Starting generation: 8591
Starting generation: 8592
Starting generation: 8593
Starting generation: 8594
Starting generation: 8595
Starting generation: 8596
Starting generation: 8597
Starting generation: 8598
Starting generation: 8599
Starting generation: 8600
Starting generation: 8601
Starting generation: 8602
Starting generation: 8603
Starting generation: 8604
Starting generation: 8605
Starting generation: 8606
Starting generation: 8607
Starting generation: 8608
Starting generation: 8609
Starting generation: 8610
Starting generation: 8611
Starting generation: 8612
Starting generation: 8613
Starting generation: 8614

Starting generation: 8615
Starting generation: 8616
Starting generation: 8617
Starting generation: 8618
Starting generation: 8619
Starting generation: 8620
Starting generation: 8621
Starting generation: 8622
Starting generation: 8623
Starting generation: 8624
Starting generation: 8625
Starting generation: 8626
Starting generation: 8627
Starting generation: 8628
Starting generation: 8629
Starting generation: 8630
Starting generation: 8631
Starting generation: 8632
Starting generation: 8633
Starting generation: 8634
Starting generation: 8635
Starting generation: 8636
Starting generation: 8637
Starting generation: 8638
Starting generation: 8639
Starting generation: 8640
Starting generation: 8641
Starting generation: 8642
Starting generation: 8643
Starting generation: 8644
Starting generation: 8645
Starting generation: 8646
Starting generation: 8647
Starting generation: 8648
Starting generation: 8649
Starting generation: 8650
Starting generation: 8651
Starting generation: 8652
Starting generation: 8653
Starting generation: 8654
Starting generation: 8655
Starting generation: 8656
Starting generation: 8657
Starting generation: 8658
Starting generation: 8659
Starting generation: 8660
Starting generation: 8661
Starting generation: 8662

Starting generation: 8663
Starting generation: 8664
Starting generation: 8665
Starting generation: 8666
Starting generation: 8667
Starting generation: 8668
Starting generation: 8669
Starting generation: 8670
Starting generation: 8671
Starting generation: 8672
Starting generation: 8673
Starting generation: 8674
Starting generation: 8675
Starting generation: 8676
Starting generation: 8677
Starting generation: 8678
Starting generation: 8679
Starting generation: 8680
Starting generation: 8681
Starting generation: 8682
Starting generation: 8683
Starting generation: 8684
Starting generation: 8685
Starting generation: 8686
Starting generation: 8687
Starting generation: 8688
Starting generation: 8689
Starting generation: 8690
Starting generation: 8691
Starting generation: 8692
Starting generation: 8693
Starting generation: 8694
Starting generation: 8695
Starting generation: 8696
Starting generation: 8697
Starting generation: 8698
Starting generation: 8699
Starting generation: 8700
Starting generation: 8701
Starting generation: 8702
Starting generation: 8703
Starting generation: 8704
Starting generation: 8705
Starting generation: 8706
Starting generation: 8707
Starting generation: 8708
Starting generation: 8709
Starting generation: 8710

Starting generation: 8711
Starting generation: 8712
Starting generation: 8713
Starting generation: 8714
Starting generation: 8715
Starting generation: 8716
Starting generation: 8717
Starting generation: 8718
Starting generation: 8719
Starting generation: 8720
Starting generation: 8721
Starting generation: 8722
Starting generation: 8723
Starting generation: 8724
Starting generation: 8725
Starting generation: 8726
Starting generation: 8727
Starting generation: 8728
Starting generation: 8729
Starting generation: 8730
Starting generation: 8731
Starting generation: 8732
Starting generation: 8733
Starting generation: 8734
Starting generation: 8735
Starting generation: 8736
Starting generation: 8737
Starting generation: 8738
Starting generation: 8739
Starting generation: 8740
Starting generation: 8741
Starting generation: 8742
Starting generation: 8743
Starting generation: 8744
Starting generation: 8745
Starting generation: 8746
Starting generation: 8747
Starting generation: 8748
Starting generation: 8749
Starting generation: 8750
Starting generation: 8751
Starting generation: 8752
Starting generation: 8753
Starting generation: 8754
Starting generation: 8755
Starting generation: 8756
Starting generation: 8757
Starting generation: 8758

Starting generation: 8759
Starting generation: 8760
Starting generation: 8761
Starting generation: 8762
Starting generation: 8763
Starting generation: 8764
Starting generation: 8765
Starting generation: 8766
Starting generation: 8767
Starting generation: 8768
Starting generation: 8769
Starting generation: 8770
Starting generation: 8771
Starting generation: 8772
Starting generation: 8773
Starting generation: 8774
Starting generation: 8775
Starting generation: 8776
Starting generation: 8777
Starting generation: 8778
Starting generation: 8779
Starting generation: 8780
Starting generation: 8781
Starting generation: 8782
Starting generation: 8783
Starting generation: 8784
Starting generation: 8785
Starting generation: 8786
Starting generation: 8787
Starting generation: 8788
Starting generation: 8789
Starting generation: 8790
Starting generation: 8791
Starting generation: 8792
Starting generation: 8793
Starting generation: 8794
Starting generation: 8795
Starting generation: 8796
Starting generation: 8797
Starting generation: 8798
Starting generation: 8799
Starting generation: 8800
Starting generation: 8801
Starting generation: 8802
Starting generation: 8803
Starting generation: 8804
Starting generation: 8805
Starting generation: 8806

Starting generation: 8807
Starting generation: 8808
Starting generation: 8809
Starting generation: 8810
Starting generation: 8811
Starting generation: 8812
Starting generation: 8813
Starting generation: 8814
Starting generation: 8815
Starting generation: 8816
Starting generation: 8817
Starting generation: 8818
Starting generation: 8819
Starting generation: 8820
Starting generation: 8821
Starting generation: 8822
Starting generation: 8823
Starting generation: 8824
Starting generation: 8825
Starting generation: 8826
Starting generation: 8827
Starting generation: 8828
Starting generation: 8829
Starting generation: 8830
Starting generation: 8831
Starting generation: 8832
Starting generation: 8833
Starting generation: 8834
Starting generation: 8835
Starting generation: 8836
Starting generation: 8837
Starting generation: 8838
Starting generation: 8839
Starting generation: 8840
Starting generation: 8841
Starting generation: 8842
Starting generation: 8843
Starting generation: 8844
Starting generation: 8845
Starting generation: 8846
Starting generation: 8847
Starting generation: 8848
Starting generation: 8849
Starting generation: 8850
Starting generation: 8851
Starting generation: 8852
Starting generation: 8853
Starting generation: 8854

Starting generation: 8855
Starting generation: 8856
Starting generation: 8857
Starting generation: 8858
Starting generation: 8859
Starting generation: 8860
Starting generation: 8861
Starting generation: 8862
Starting generation: 8863
Starting generation: 8864
Starting generation: 8865
Starting generation: 8866
Starting generation: 8867
Starting generation: 8868
Starting generation: 8869
Starting generation: 8870
Starting generation: 8871
Starting generation: 8872
Starting generation: 8873
Starting generation: 8874
Starting generation: 8875
Starting generation: 8876
Starting generation: 8877
Starting generation: 8878
Starting generation: 8879
Starting generation: 8880
Starting generation: 8881
Starting generation: 8882
Starting generation: 8883
Starting generation: 8884
Starting generation: 8885
Starting generation: 8886
Starting generation: 8887
Starting generation: 8888
Starting generation: 8889
Starting generation: 8890
Starting generation: 8891
Starting generation: 8892
Starting generation: 8893
Starting generation: 8894
Starting generation: 8895
Starting generation: 8896
Starting generation: 8897
Starting generation: 8898
Starting generation: 8899
Starting generation: 8900
Starting generation: 8901
Starting generation: 8902

Starting generation: 8903
Starting generation: 8904
Starting generation: 8905
Starting generation: 8906
Starting generation: 8907
Starting generation: 8908
Starting generation: 8909
Starting generation: 8910
Starting generation: 8911
Starting generation: 8912
Starting generation: 8913
Starting generation: 8914
Starting generation: 8915
Starting generation: 8916
Starting generation: 8917
Starting generation: 8918
Starting generation: 8919
Starting generation: 8920
Starting generation: 8921
Starting generation: 8922
Starting generation: 8923
Starting generation: 8924
Starting generation: 8925
Starting generation: 8926
Starting generation: 8927
Starting generation: 8928
Starting generation: 8929
Starting generation: 8930
Starting generation: 8931
Starting generation: 8932
Starting generation: 8933
Starting generation: 8934
Starting generation: 8935
Starting generation: 8936
Starting generation: 8937
Starting generation: 8938
Starting generation: 8939
Starting generation: 8940
Starting generation: 8941
Starting generation: 8942
Starting generation: 8943
Starting generation: 8944
Starting generation: 8945
Starting generation: 8946
Starting generation: 8947
Starting generation: 8948
Starting generation: 8949
Starting generation: 8950

Starting generation: 8951
Starting generation: 8952
Starting generation: 8953
Starting generation: 8954
Starting generation: 8955
Starting generation: 8956
Starting generation: 8957
Starting generation: 8958
Starting generation: 8959
Starting generation: 8960
Starting generation: 8961
Starting generation: 8962
Starting generation: 8963
Starting generation: 8964
Starting generation: 8965
Starting generation: 8966
Starting generation: 8967
Starting generation: 8968
Starting generation: 8969
Starting generation: 8970
Starting generation: 8971
Starting generation: 8972
Starting generation: 8973
Starting generation: 8974
Starting generation: 8975
Starting generation: 8976
Starting generation: 8977
Starting generation: 8978
Starting generation: 8979
Starting generation: 8980
Starting generation: 8981
Starting generation: 8982
Starting generation: 8983
Starting generation: 8984
Starting generation: 8985
Starting generation: 8986
Starting generation: 8987
Starting generation: 8988
Starting generation: 8989
Starting generation: 8990
Starting generation: 8991
Starting generation: 8992
Starting generation: 8993
Starting generation: 8994
Starting generation: 8995
Starting generation: 8996
Starting generation: 8997
Starting generation: 8998

Starting generation: 8999
Starting generation: 9000
Starting generation: 9001
Starting generation: 9002
Starting generation: 9003
Starting generation: 9004
Starting generation: 9005
Starting generation: 9006
Starting generation: 9007
Starting generation: 9008
Starting generation: 9009
Starting generation: 9010
Starting generation: 9011
Starting generation: 9012
Starting generation: 9013
Starting generation: 9014
Starting generation: 9015
Starting generation: 9016
Starting generation: 9017
Starting generation: 9018
Starting generation: 9019
Starting generation: 9020
Starting generation: 9021
Starting generation: 9022
Starting generation: 9023
Starting generation: 9024
Starting generation: 9025
Starting generation: 9026
Starting generation: 9027
Starting generation: 9028
Starting generation: 9029
Starting generation: 9030
Starting generation: 9031
Starting generation: 9032
Starting generation: 9033
Starting generation: 9034
Starting generation: 9035
Starting generation: 9036
Starting generation: 9037
Starting generation: 9038
Starting generation: 9039
Starting generation: 9040
Starting generation: 9041
Starting generation: 9042
Starting generation: 9043
Starting generation: 9044
Starting generation: 9045
Starting generation: 9046

Starting generation: 9047
Starting generation: 9048
Starting generation: 9049
Starting generation: 9050
Starting generation: 9051
Starting generation: 9052
Starting generation: 9053
Starting generation: 9054
Starting generation: 9055
Starting generation: 9056
Starting generation: 9057
Starting generation: 9058
Starting generation: 9059
Starting generation: 9060
Starting generation: 9061
Starting generation: 9062
Starting generation: 9063
Starting generation: 9064
Starting generation: 9065
Starting generation: 9066
Starting generation: 9067
Starting generation: 9068
Starting generation: 9069
Starting generation: 9070
Starting generation: 9071
Starting generation: 9072
Starting generation: 9073
Starting generation: 9074
Starting generation: 9075
Starting generation: 9076
Starting generation: 9077
Starting generation: 9078
Starting generation: 9079
Starting generation: 9080
Starting generation: 9081
Starting generation: 9082
Starting generation: 9083
Starting generation: 9084
Starting generation: 9085
Starting generation: 9086
Starting generation: 9087
Starting generation: 9088
Starting generation: 9089
Starting generation: 9090
Starting generation: 9091
Starting generation: 9092
Starting generation: 9093
Starting generation: 9094

Starting generation: 9095
Starting generation: 9096
Starting generation: 9097
Starting generation: 9098
Starting generation: 9099
Starting generation: 9100
Starting generation: 9101
Starting generation: 9102
Starting generation: 9103
Starting generation: 9104
Starting generation: 9105
Starting generation: 9106
Starting generation: 9107
Starting generation: 9108
Starting generation: 9109
Starting generation: 9110
Starting generation: 9111
Starting generation: 9112
Starting generation: 9113
Starting generation: 9114
Starting generation: 9115
Starting generation: 9116
Starting generation: 9117
Starting generation: 9118
Starting generation: 9119
Starting generation: 9120
Starting generation: 9121
Starting generation: 9122
Starting generation: 9123
Starting generation: 9124
Starting generation: 9125
Starting generation: 9126
Starting generation: 9127
Starting generation: 9128
Starting generation: 9129
Starting generation: 9130
Starting generation: 9131
Starting generation: 9132
Starting generation: 9133
Starting generation: 9134
Starting generation: 9135
Starting generation: 9136
Starting generation: 9137
Starting generation: 9138
Starting generation: 9139
Starting generation: 9140
Starting generation: 9141
Starting generation: 9142

Starting generation: 9143
Starting generation: 9144
Starting generation: 9145
Starting generation: 9146
Starting generation: 9147
Starting generation: 9148
Starting generation: 9149
Starting generation: 9150
Starting generation: 9151
Starting generation: 9152
Starting generation: 9153
Starting generation: 9154
Starting generation: 9155
Starting generation: 9156
Starting generation: 9157
Starting generation: 9158
Starting generation: 9159
Starting generation: 9160
Starting generation: 9161
Starting generation: 9162
Starting generation: 9163
Starting generation: 9164
Starting generation: 9165
Starting generation: 9166
Starting generation: 9167
Starting generation: 9168
Starting generation: 9169
Starting generation: 9170
Starting generation: 9171
Starting generation: 9172
Starting generation: 9173
Starting generation: 9174
Starting generation: 9175
Starting generation: 9176
Starting generation: 9177
Starting generation: 9178
Starting generation: 9179
Starting generation: 9180
Starting generation: 9181
Starting generation: 9182
Starting generation: 9183
Starting generation: 9184
Starting generation: 9185
Starting generation: 9186
Starting generation: 9187
Starting generation: 9188
Starting generation: 9189
Starting generation: 9190

Starting generation: 9191
Starting generation: 9192
Starting generation: 9193
Starting generation: 9194
Starting generation: 9195
Starting generation: 9196
Starting generation: 9197
Starting generation: 9198
Starting generation: 9199
Starting generation: 9200
Starting generation: 9201
Starting generation: 9202
Starting generation: 9203
Starting generation: 9204
Starting generation: 9205
Starting generation: 9206
Starting generation: 9207
Starting generation: 9208
Starting generation: 9209
Starting generation: 9210
Starting generation: 9211
Starting generation: 9212
Starting generation: 9213
Starting generation: 9214
Starting generation: 9215
Starting generation: 9216
Starting generation: 9217
Starting generation: 9218
Starting generation: 9219
Starting generation: 9220
Starting generation: 9221
Starting generation: 9222
Starting generation: 9223
Starting generation: 9224
Starting generation: 9225
Starting generation: 9226
Starting generation: 9227
Starting generation: 9228
Starting generation: 9229
Starting generation: 9230
Starting generation: 9231
Starting generation: 9232
Starting generation: 9233
Starting generation: 9234
Starting generation: 9235
Starting generation: 9236
Starting generation: 9237
Starting generation: 9238

Starting generation: 9239
Starting generation: 9240
Starting generation: 9241
Starting generation: 9242
Starting generation: 9243
Starting generation: 9244
Starting generation: 9245
Starting generation: 9246
Starting generation: 9247
Starting generation: 9248
Starting generation: 9249
Starting generation: 9250
Starting generation: 9251
Starting generation: 9252
Starting generation: 9253
Starting generation: 9254
Starting generation: 9255
Starting generation: 9256
Starting generation: 9257
Starting generation: 9258
Starting generation: 9259
Starting generation: 9260
Starting generation: 9261
Starting generation: 9262
Starting generation: 9263
Starting generation: 9264
Starting generation: 9265
Starting generation: 9266
Starting generation: 9267
Starting generation: 9268
Starting generation: 9269
Starting generation: 9270
Starting generation: 9271
Starting generation: 9272
Starting generation: 9273
Starting generation: 9274
Starting generation: 9275
Starting generation: 9276
Starting generation: 9277
Starting generation: 9278
Starting generation: 9279
Starting generation: 9280
Starting generation: 9281
Starting generation: 9282
Starting generation: 9283
Starting generation: 9284
Starting generation: 9285
Starting generation: 9286

Starting generation: 9287
Starting generation: 9288
Starting generation: 9289
Starting generation: 9290
Starting generation: 9291
Starting generation: 9292
Starting generation: 9293
Starting generation: 9294
Starting generation: 9295
Starting generation: 9296
Starting generation: 9297
Starting generation: 9298
Starting generation: 9299
Starting generation: 9300
Starting generation: 9301
Starting generation: 9302
Starting generation: 9303
Starting generation: 9304
Starting generation: 9305
Starting generation: 9306
Starting generation: 9307
Starting generation: 9308
Starting generation: 9309
Starting generation: 9310
Starting generation: 9311
Starting generation: 9312
Starting generation: 9313
Starting generation: 9314
Starting generation: 9315
Starting generation: 9316
Starting generation: 9317
Starting generation: 9318
Starting generation: 9319
Starting generation: 9320
Starting generation: 9321
Starting generation: 9322
Starting generation: 9323
Starting generation: 9324
Starting generation: 9325
Starting generation: 9326
Starting generation: 9327
Starting generation: 9328
Starting generation: 9329
Starting generation: 9330
Starting generation: 9331
Starting generation: 9332
Starting generation: 9333
Starting generation: 9334

Starting generation: 9335
Starting generation: 9336
Starting generation: 9337
Starting generation: 9338
Starting generation: 9339
Starting generation: 9340
Starting generation: 9341
Starting generation: 9342
Starting generation: 9343
Starting generation: 9344
Starting generation: 9345
Starting generation: 9346
Starting generation: 9347
Starting generation: 9348
Starting generation: 9349
Starting generation: 9350
Starting generation: 9351
Starting generation: 9352
Starting generation: 9353
Starting generation: 9354
Starting generation: 9355
Starting generation: 9356
Starting generation: 9357
Starting generation: 9358
Starting generation: 9359
Starting generation: 9360
Starting generation: 9361
Starting generation: 9362
Starting generation: 9363
Starting generation: 9364
Starting generation: 9365
Starting generation: 9366
Starting generation: 9367
Starting generation: 9368
Starting generation: 9369
Starting generation: 9370
Starting generation: 9371
Starting generation: 9372
Starting generation: 9373
Starting generation: 9374
Starting generation: 9375
Starting generation: 9376
Starting generation: 9377
Starting generation: 9378
Starting generation: 9379
Starting generation: 9380
Starting generation: 9381
Starting generation: 9382

Starting generation: 9383
Starting generation: 9384
Starting generation: 9385
Starting generation: 9386
Starting generation: 9387
Starting generation: 9388
Starting generation: 9389
Starting generation: 9390
Starting generation: 9391
Starting generation: 9392
Starting generation: 9393
Starting generation: 9394
Starting generation: 9395
Starting generation: 9396
Starting generation: 9397
Starting generation: 9398
Starting generation: 9399
Starting generation: 9400
Starting generation: 9401
Starting generation: 9402
Starting generation: 9403
Starting generation: 9404
Starting generation: 9405
Starting generation: 9406
Starting generation: 9407
Starting generation: 9408
Starting generation: 9409
Starting generation: 9410
Starting generation: 9411
Starting generation: 9412
Starting generation: 9413
Starting generation: 9414
Starting generation: 9415
Starting generation: 9416
Starting generation: 9417
Starting generation: 9418
Starting generation: 9419
Starting generation: 9420
Starting generation: 9421
Starting generation: 9422
Starting generation: 9423
Starting generation: 9424
Starting generation: 9425
Starting generation: 9426
Starting generation: 9427
Starting generation: 9428
Starting generation: 9429
Starting generation: 9430

Starting generation: 9431
Starting generation: 9432
Starting generation: 9433
Starting generation: 9434
Starting generation: 9435
Starting generation: 9436
Starting generation: 9437
Starting generation: 9438
Starting generation: 9439
Starting generation: 9440
Starting generation: 9441
Starting generation: 9442
Starting generation: 9443
Starting generation: 9444
Starting generation: 9445
Starting generation: 9446
Starting generation: 9447
Starting generation: 9448
Starting generation: 9449
Starting generation: 9450
Starting generation: 9451
Starting generation: 9452
Starting generation: 9453
Starting generation: 9454
Starting generation: 9455
Starting generation: 9456
Starting generation: 9457
Starting generation: 9458
Starting generation: 9459
Starting generation: 9460
Starting generation: 9461
Starting generation: 9462
Starting generation: 9463
Starting generation: 9464
Starting generation: 9465
Starting generation: 9466
Starting generation: 9467
Starting generation: 9468
Starting generation: 9469
Starting generation: 9470
Starting generation: 9471
Starting generation: 9472
Starting generation: 9473
Starting generation: 9474
Starting generation: 9475
Starting generation: 9476
Starting generation: 9477
Starting generation: 9478

Starting generation: 9479
Starting generation: 9480
Starting generation: 9481
Starting generation: 9482
Starting generation: 9483
Starting generation: 9484
Starting generation: 9485
Starting generation: 9486
Starting generation: 9487
Starting generation: 9488
Starting generation: 9489
Starting generation: 9490
Starting generation: 9491
Starting generation: 9492
Starting generation: 9493
Starting generation: 9494
Starting generation: 9495
Starting generation: 9496
Starting generation: 9497
Starting generation: 9498
Starting generation: 9499
Starting generation: 9500
Starting generation: 9501
Starting generation: 9502
Starting generation: 9503
Starting generation: 9504
Starting generation: 9505
Starting generation: 9506
Starting generation: 9507
Starting generation: 9508
Starting generation: 9509
Starting generation: 9510
Starting generation: 9511
Starting generation: 9512
Starting generation: 9513
Starting generation: 9514
Starting generation: 9515
Starting generation: 9516
Starting generation: 9517
Starting generation: 9518
Starting generation: 9519
Starting generation: 9520
Starting generation: 9521
Starting generation: 9522
Starting generation: 9523
Starting generation: 9524
Starting generation: 9525
Starting generation: 9526

Starting generation: 9527
Starting generation: 9528
Starting generation: 9529
Starting generation: 9530
Starting generation: 9531
Starting generation: 9532
Starting generation: 9533
Starting generation: 9534
Starting generation: 9535
Starting generation: 9536
Starting generation: 9537
Starting generation: 9538
Starting generation: 9539
Starting generation: 9540
Starting generation: 9541
Starting generation: 9542
Starting generation: 9543
Starting generation: 9544
Starting generation: 9545
Starting generation: 9546
Starting generation: 9547
Starting generation: 9548
Starting generation: 9549
Starting generation: 9550
Starting generation: 9551
Starting generation: 9552
Starting generation: 9553
Starting generation: 9554
Starting generation: 9555
Starting generation: 9556
Starting generation: 9557
Starting generation: 9558
Starting generation: 9559
Starting generation: 9560
Starting generation: 9561
Starting generation: 9562
Starting generation: 9563
Starting generation: 9564
Starting generation: 9565
Starting generation: 9566
Starting generation: 9567
Starting generation: 9568
Starting generation: 9569
Starting generation: 9570
Starting generation: 9571
Starting generation: 9572
Starting generation: 9573
Starting generation: 9574

Starting generation: 9575
Starting generation: 9576
Starting generation: 9577
Starting generation: 9578
Starting generation: 9579
Starting generation: 9580
Starting generation: 9581
Starting generation: 9582
Starting generation: 9583
Starting generation: 9584
Starting generation: 9585
Starting generation: 9586
Starting generation: 9587
Starting generation: 9588
Starting generation: 9589
Starting generation: 9590
Starting generation: 9591
Starting generation: 9592
Starting generation: 9593
Starting generation: 9594
Starting generation: 9595
Starting generation: 9596
Starting generation: 9597
Starting generation: 9598
Starting generation: 9599
Starting generation: 9600
Starting generation: 9601
Starting generation: 9602
Starting generation: 9603
Starting generation: 9604
Starting generation: 9605
Starting generation: 9606
Starting generation: 9607
Starting generation: 9608
Starting generation: 9609
Starting generation: 9610
Starting generation: 9611
Starting generation: 9612
Starting generation: 9613
Starting generation: 9614
Starting generation: 9615
Starting generation: 9616
Starting generation: 9617
Starting generation: 9618
Starting generation: 9619
Starting generation: 9620
Starting generation: 9621
Starting generation: 9622

Starting generation: 9623
Starting generation: 9624
Starting generation: 9625
Starting generation: 9626
Starting generation: 9627
Starting generation: 9628
Starting generation: 9629
Starting generation: 9630
Starting generation: 9631
Starting generation: 9632
Starting generation: 9633
Starting generation: 9634
Starting generation: 9635
Starting generation: 9636
Starting generation: 9637
Starting generation: 9638
Starting generation: 9639
Starting generation: 9640
Starting generation: 9641
Starting generation: 9642
Starting generation: 9643
Starting generation: 9644
Starting generation: 9645
Starting generation: 9646
Starting generation: 9647
Starting generation: 9648
Starting generation: 9649
Starting generation: 9650
Starting generation: 9651
Starting generation: 9652
Starting generation: 9653
Starting generation: 9654
Starting generation: 9655
Starting generation: 9656
Starting generation: 9657
Starting generation: 9658
Starting generation: 9659
Starting generation: 9660
Starting generation: 9661
Starting generation: 9662
Starting generation: 9663
Starting generation: 9664
Starting generation: 9665
Starting generation: 9666
Starting generation: 9667
Starting generation: 9668
Starting generation: 9669
Starting generation: 9670

Starting generation: 9671
Starting generation: 9672
Starting generation: 9673
Starting generation: 9674
Starting generation: 9675
Starting generation: 9676
Starting generation: 9677
Starting generation: 9678
Starting generation: 9679
Starting generation: 9680
Starting generation: 9681
Starting generation: 9682
Starting generation: 9683
Starting generation: 9684
Starting generation: 9685
Starting generation: 9686
Starting generation: 9687
Starting generation: 9688
Starting generation: 9689
Starting generation: 9690
Starting generation: 9691
Starting generation: 9692
Starting generation: 9693
Starting generation: 9694
Starting generation: 9695
Starting generation: 9696
Starting generation: 9697
Starting generation: 9698
Starting generation: 9699
Starting generation: 9700
Starting generation: 9701
Starting generation: 9702
Starting generation: 9703
Starting generation: 9704
Starting generation: 9705
Starting generation: 9706
Starting generation: 9707
Starting generation: 9708
Starting generation: 9709
Starting generation: 9710
Starting generation: 9711
Starting generation: 9712
Starting generation: 9713
Starting generation: 9714
Starting generation: 9715
Starting generation: 9716
Starting generation: 9717
Starting generation: 9718

Starting generation: 9719
Starting generation: 9720
Starting generation: 9721
Starting generation: 9722
Starting generation: 9723
Starting generation: 9724
Starting generation: 9725
Starting generation: 9726
Starting generation: 9727
Starting generation: 9728
Starting generation: 9729
Starting generation: 9730
Starting generation: 9731
Starting generation: 9732
Starting generation: 9733
Starting generation: 9734
Starting generation: 9735
Starting generation: 9736
Starting generation: 9737
Starting generation: 9738
Starting generation: 9739
Starting generation: 9740
Starting generation: 9741
Starting generation: 9742
Starting generation: 9743
Starting generation: 9744
Starting generation: 9745
Starting generation: 9746
Starting generation: 9747
Starting generation: 9748
Starting generation: 9749
Starting generation: 9750
Starting generation: 9751
Starting generation: 9752
Starting generation: 9753
Starting generation: 9754
Starting generation: 9755
Starting generation: 9756
Starting generation: 9757
Starting generation: 9758
Starting generation: 9759
Starting generation: 9760
Starting generation: 9761
Starting generation: 9762
Starting generation: 9763
Starting generation: 9764
Starting generation: 9765
Starting generation: 9766

Starting generation: 9767
Starting generation: 9768
Starting generation: 9769
Starting generation: 9770
Starting generation: 9771
Starting generation: 9772
Starting generation: 9773
Starting generation: 9774
Starting generation: 9775
Starting generation: 9776
Starting generation: 9777
Starting generation: 9778
Starting generation: 9779
Starting generation: 9780
Starting generation: 9781
Starting generation: 9782
Starting generation: 9783
Starting generation: 9784
Starting generation: 9785
Starting generation: 9786
Starting generation: 9787
Starting generation: 9788
Starting generation: 9789
Starting generation: 9790
Starting generation: 9791
Starting generation: 9792
Starting generation: 9793
Starting generation: 9794
Starting generation: 9795
Starting generation: 9796
Starting generation: 9797
Starting generation: 9798
Starting generation: 9799
Starting generation: 9800
Starting generation: 9801
Starting generation: 9802
Starting generation: 9803
Starting generation: 9804
Starting generation: 9805
Starting generation: 9806
Starting generation: 9807
Starting generation: 9808
Starting generation: 9809
Starting generation: 9810
Starting generation: 9811
Starting generation: 9812
Starting generation: 9813
Starting generation: 9814

Starting generation: 9815
Starting generation: 9816
Starting generation: 9817
Starting generation: 9818
Starting generation: 9819
Starting generation: 9820
Starting generation: 9821
Starting generation: 9822
Starting generation: 9823
Starting generation: 9824
Starting generation: 9825
Starting generation: 9826
Starting generation: 9827
Starting generation: 9828
Starting generation: 9829
Starting generation: 9830
Starting generation: 9831
Starting generation: 9832
Starting generation: 9833
Starting generation: 9834
Starting generation: 9835
Starting generation: 9836
Starting generation: 9837
Starting generation: 9838
Starting generation: 9839
Starting generation: 9840
Starting generation: 9841
Starting generation: 9842
Starting generation: 9843
Starting generation: 9844
Starting generation: 9845
Starting generation: 9846
Starting generation: 9847
Starting generation: 9848
Starting generation: 9849
Starting generation: 9850
Starting generation: 9851
Starting generation: 9852
Starting generation: 9853
Starting generation: 9854
Starting generation: 9855
Starting generation: 9856
Starting generation: 9857
Starting generation: 9858
Starting generation: 9859
Starting generation: 9860
Starting generation: 9861
Starting generation: 9862

Starting generation: 9863
Starting generation: 9864
Starting generation: 9865
Starting generation: 9866
Starting generation: 9867
Starting generation: 9868
Starting generation: 9869
Starting generation: 9870
Starting generation: 9871
Starting generation: 9872
Starting generation: 9873
Starting generation: 9874
Starting generation: 9875
Starting generation: 9876
Starting generation: 9877
Starting generation: 9878
Starting generation: 9879
Starting generation: 9880
Starting generation: 9881
Starting generation: 9882
Starting generation: 9883
Starting generation: 9884
Starting generation: 9885
Starting generation: 9886
Starting generation: 9887
Starting generation: 9888
Starting generation: 9889
Starting generation: 9890
Starting generation: 9891
Starting generation: 9892
Starting generation: 9893
Starting generation: 9894
Starting generation: 9895
Starting generation: 9896
Starting generation: 9897
Starting generation: 9898
Starting generation: 9899
Starting generation: 9900
Starting generation: 9901
Starting generation: 9902
Starting generation: 9903
Starting generation: 9904
Starting generation: 9905
Starting generation: 9906
Starting generation: 9907
Starting generation: 9908
Starting generation: 9909
Starting generation: 9910

Starting generation: 9911
Starting generation: 9912
Starting generation: 9913
Starting generation: 9914
Starting generation: 9915
Starting generation: 9916
Starting generation: 9917
Starting generation: 9918
Starting generation: 9919
Starting generation: 9920
Starting generation: 9921
Starting generation: 9922
Starting generation: 9923
Starting generation: 9924
Starting generation: 9925
Starting generation: 9926
Starting generation: 9927
Starting generation: 9928
Starting generation: 9929
Starting generation: 9930
Starting generation: 9931
Starting generation: 9932
Starting generation: 9933
Starting generation: 9934
Starting generation: 9935
Starting generation: 9936
Starting generation: 9937
Starting generation: 9938
Starting generation: 9939
Starting generation: 9940
Starting generation: 9941
Starting generation: 9942
Starting generation: 9943
Starting generation: 9944
Starting generation: 9945
Starting generation: 9946
Starting generation: 9947
Starting generation: 9948
Starting generation: 9949
Starting generation: 9950
Starting generation: 9951
Starting generation: 9952
Starting generation: 9953
Starting generation: 9954
Starting generation: 9955
Starting generation: 9956
Starting generation: 9957
Starting generation: 9958

Starting generation: 9959
Starting generation: 9960
Starting generation: 9961
Starting generation: 9962
Starting generation: 9963
Starting generation: 9964
Starting generation: 9965
Starting generation: 9966
Starting generation: 9967
Starting generation: 9968
Starting generation: 9969
Starting generation: 9970
Starting generation: 9971
Starting generation: 9972
Starting generation: 9973
Starting generation: 9974
Starting generation: 9975
Starting generation: 9976
Starting generation: 9977
Starting generation: 9978
Starting generation: 9979
Starting generation: 9980
Starting generation: 9981
Starting generation: 9982
Starting generation: 9983
Starting generation: 9984
Starting generation: 9985
Starting generation: 9986
Starting generation: 9987
Starting generation: 9988
Starting generation: 9989
Starting generation: 9990
Starting generation: 9991
Starting generation: 9992
Starting generation: 9993
Starting generation: 9994
Starting generation: 9995
Starting generation: 9996
Starting generation: 9997
Starting generation: 9998
Starting generation: 9999
Starting generation: 10000

We collect the best portfolio

```
[ ]: best_ind = tools.selBest(population, 1)[0]
```

We display the best allocation for each investment and the metrics

```
[ ]: print("Best portfolio allocation:")
for idx, sector in rbf_equity.iterrows():
    print(f"{sector['Sector']}: {best_ind[idx] * 100:.2f}%")
adjusted_returns = np.dot(percentage_returns, best_ind)
adjusted_co2 = np.dot(co2_emission['Total CO2e in t/$1 million invested'],
    ↪best_ind)
adjusted_volatility = calculate_portfolio_volatility(best_ind,
    ↪rbf_equity['Volatility (st. dev.)'])
adjusted_enb = calculate_enb(best_ind)
adjusted_hhi = calculate_hhi(best_ind)
print(f"Adjusted portfolio metrics:")
print(f>Returns: {adjusted_returns * 100:.2f}%")
print(f"CO2 emissions: {adjusted_co2:.2f}")
print(f"Volatility: {adjusted_volatility:.2f}")
print(f"Effective Number of Bets: {adjusted_enb:.2f}")
print(f"Herfindahl-Hirschman Index: {adjusted_hhi:.2f}")
```

```
Best portfolio allocation:
Consumer Discretionaries: 7.20%
Consumer Staples: 5.56%
Energy - Green energy: 48.62%
Energy - Fossil fuel: 0.00%
Financials: 11.77%
Healthcare: 6.68%
Industrials: 5.72%
Materials: 2.63%
Technology: 10.07%
Utilities: 1.74%
Adjusted portfolio metrics:
Returns: 11.97%
CO2 emissions: 525.21
Volatility: 19.24
Effective Number of Bets: 5.44
Herfindahl-Hirschman Index: 0.28
```