

# 官子谱

Guan Zi Pu

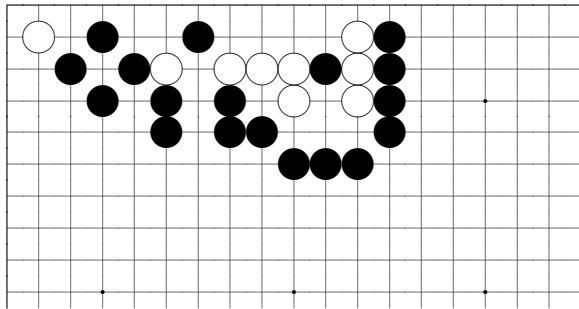
# Foreword

The Guanzi Pu (Japanese: Kanzufu) is a collection of almost 1500 problems dating back to the seventeenth century. It was first compiled by Guo Bailing and published in 1660, followed by a later edition from Tao Shiyu in 1689. In addition to the usual life-and-death positions, this collection also includes problems where the object is to attack living groups in the most profitable manner.

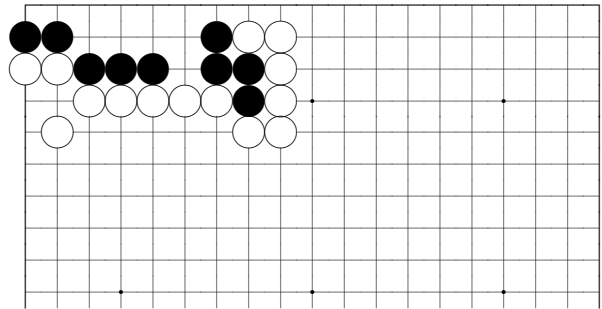
The problems found in this layout were taken from Ulrich Goertz's "Classical Go Problems" page, which were in turn downloaded from a Chinese website. The inspiration to typeset these problems came from Czech go player Vit Bruner, who has already taken care of other classical problem collections: the Gokyo Shumyo, Xuanxuan Qijing and the Igo Hatsuyo-ron. The original files of this problem collection included several duplicate positions, which have been removed in here to give a total of 1107 unique problems.

These problems are quite difficult, made more so by the absence of answers. They are, nevertheless, worth studying and will repay the efforts of a diligent student. I hope you enjoy them.

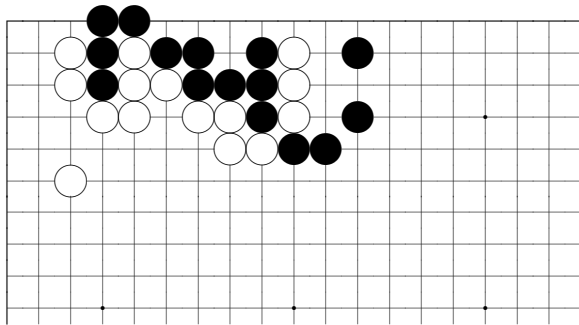
*Philip Waldron*



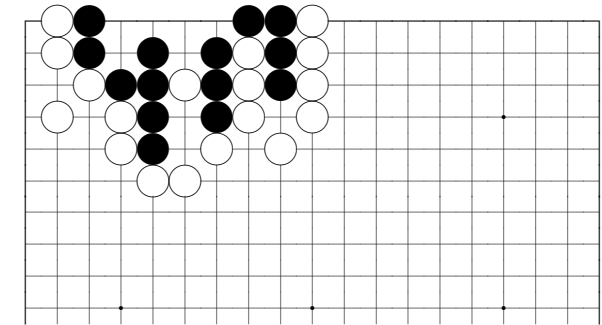
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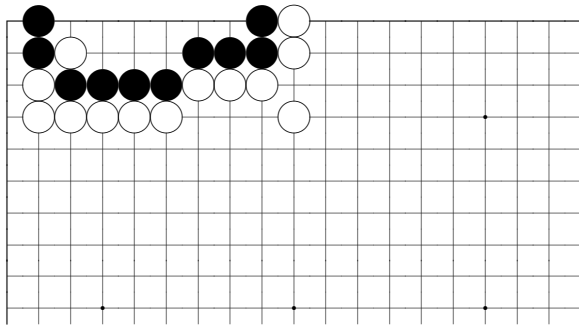
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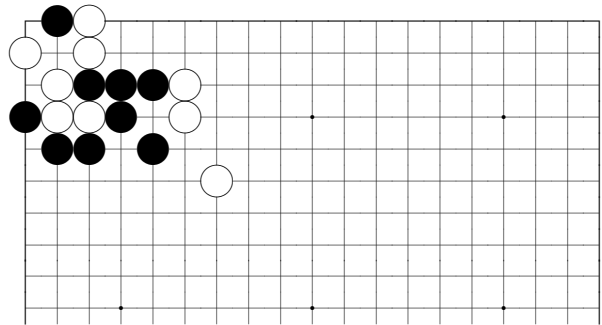
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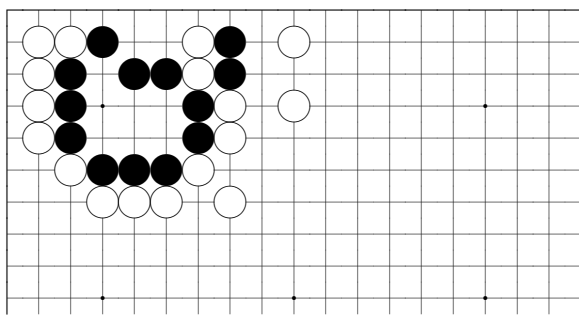
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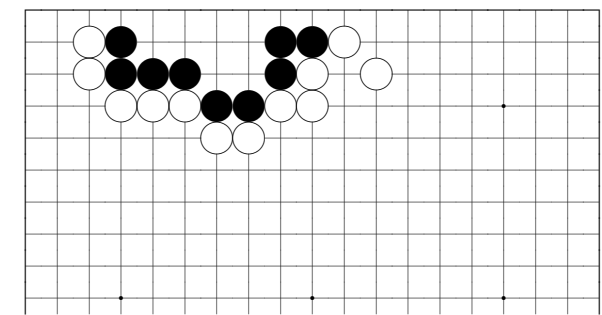
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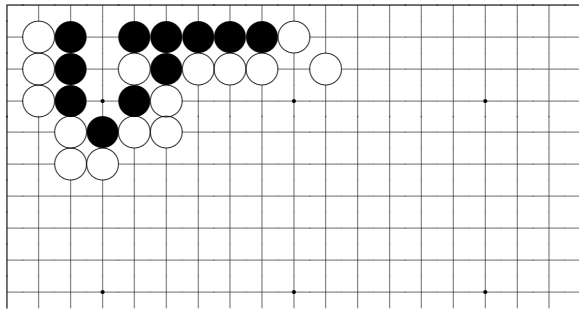
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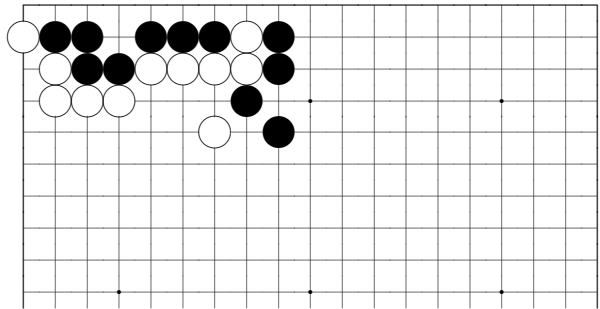
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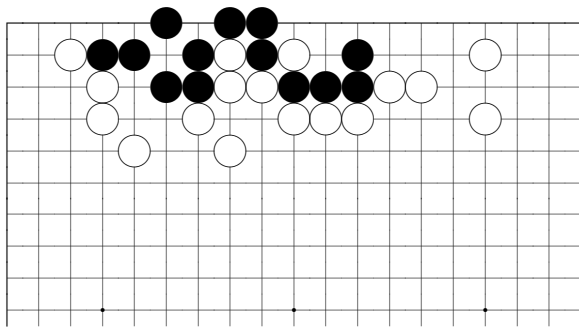
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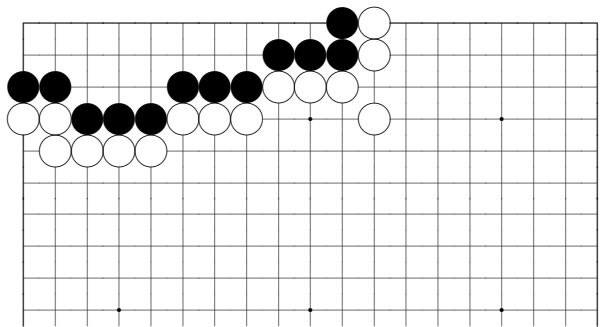
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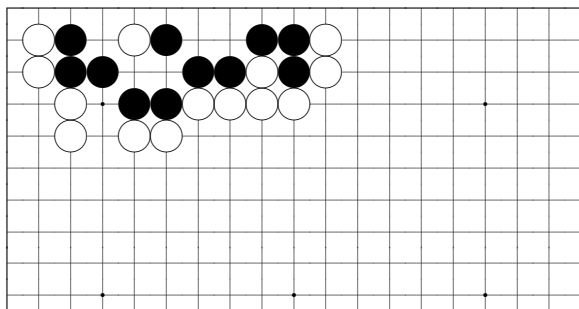
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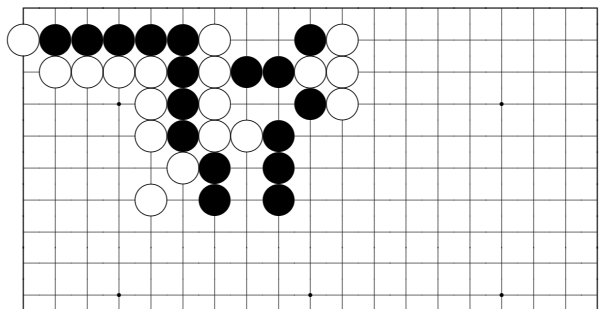
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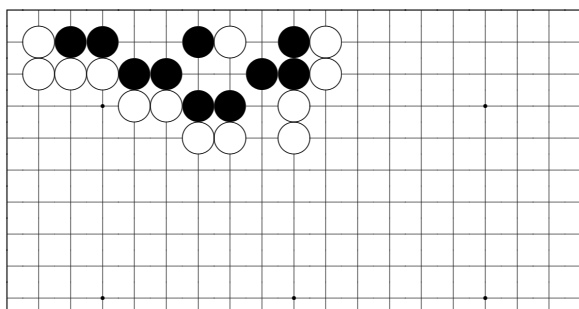
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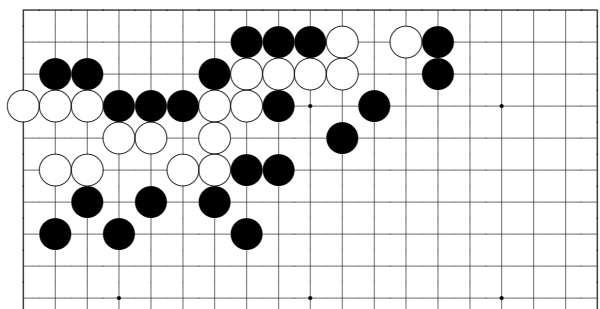
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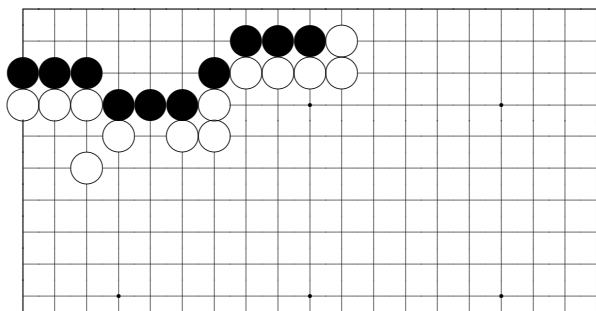
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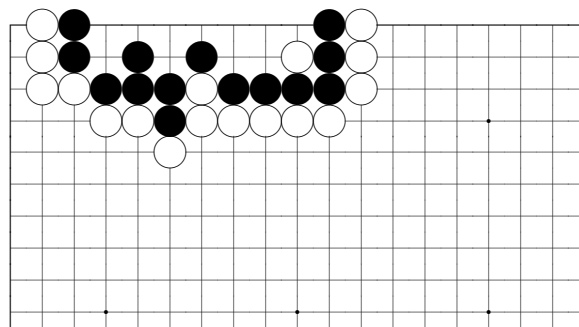
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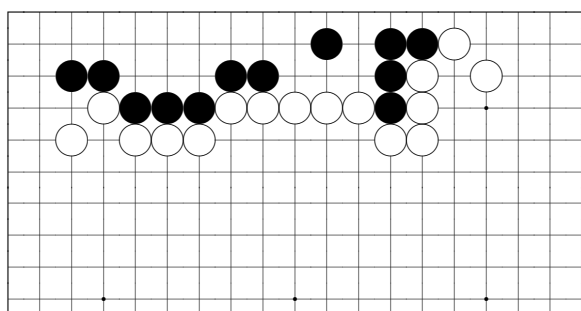
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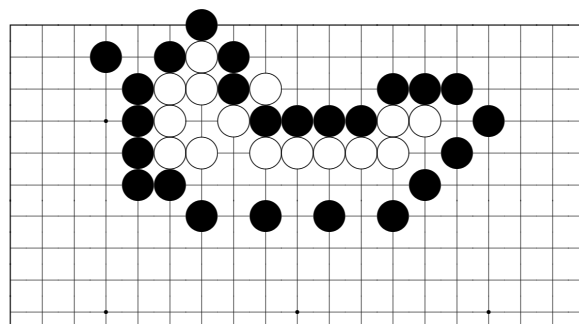
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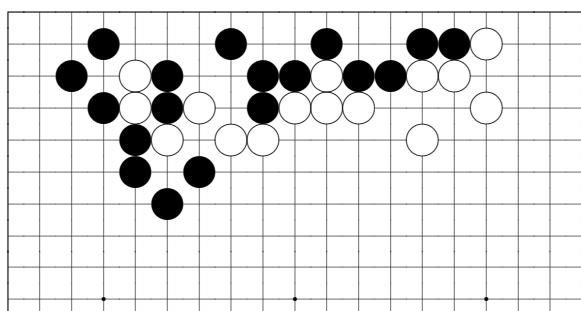
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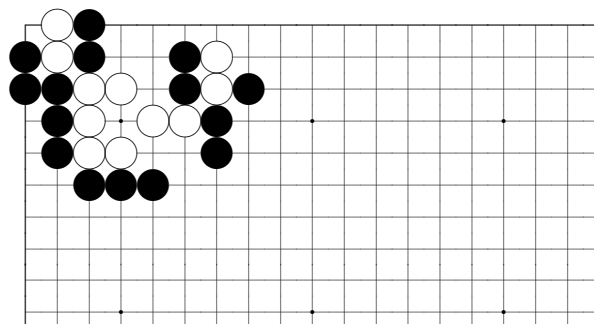
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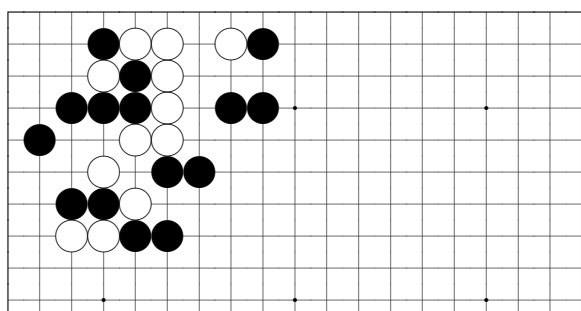
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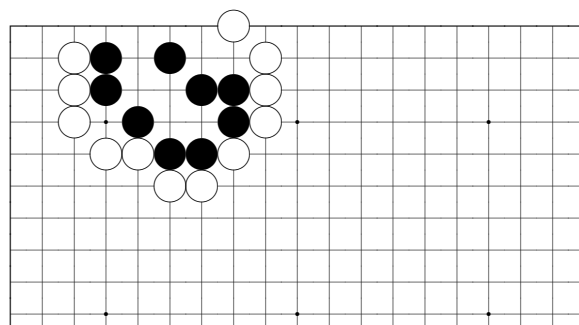
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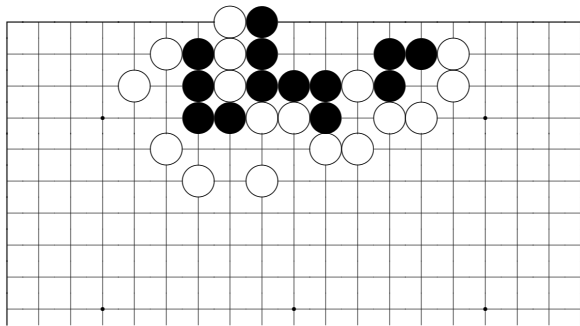
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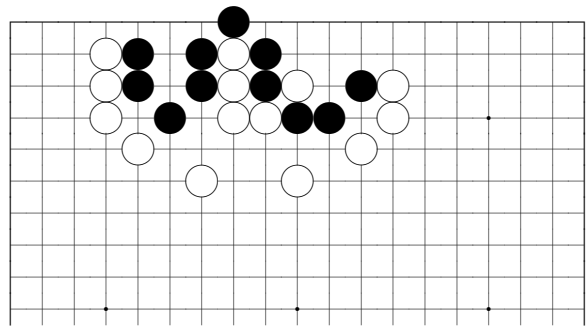
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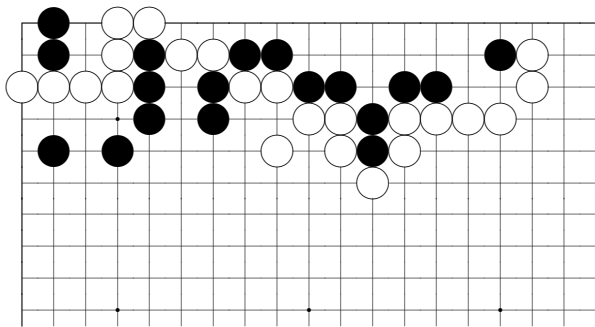
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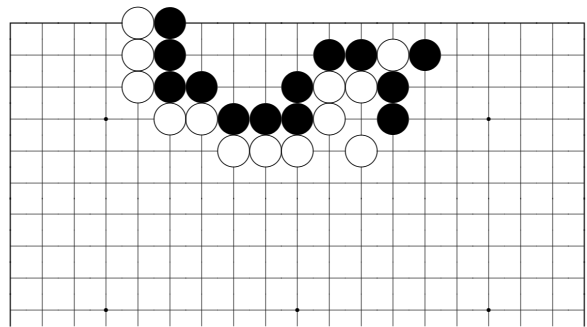
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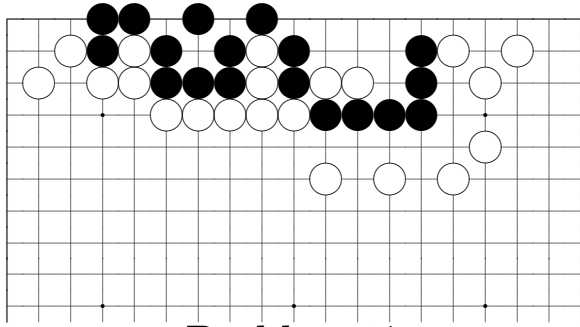
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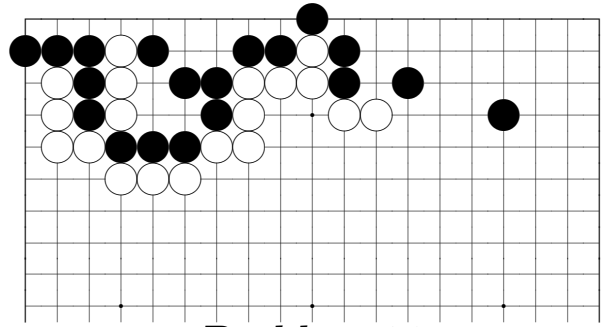
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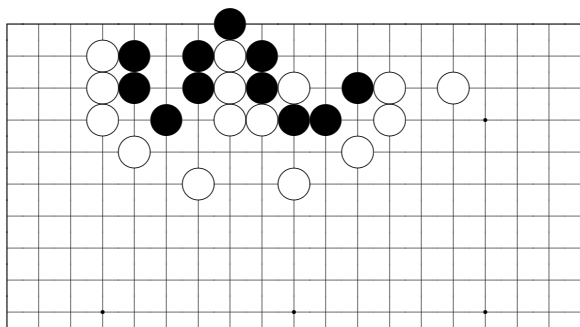
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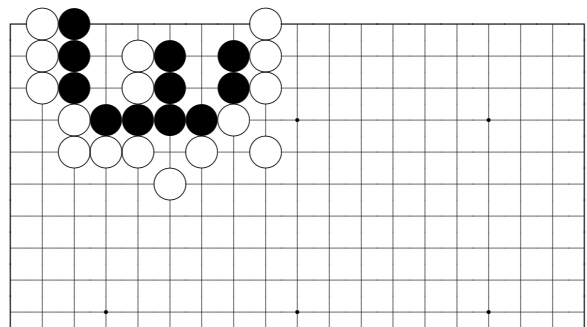
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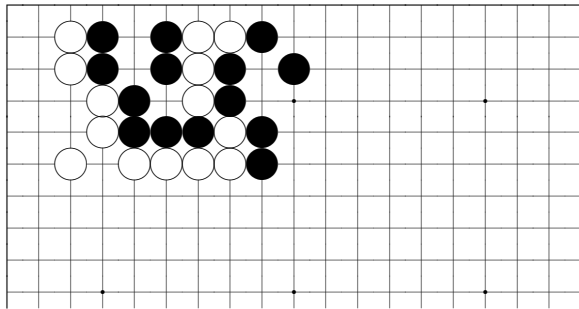
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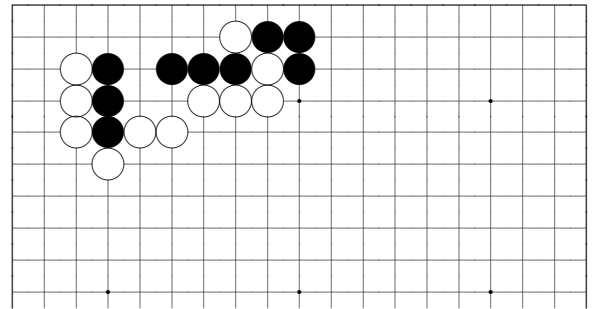
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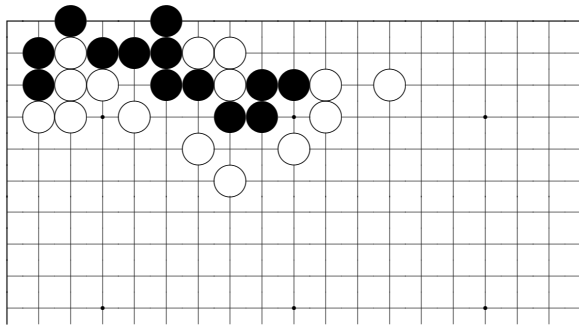
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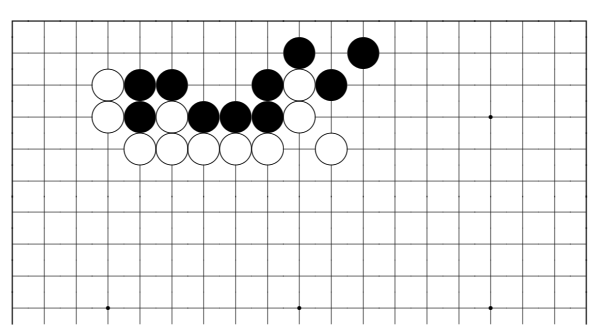
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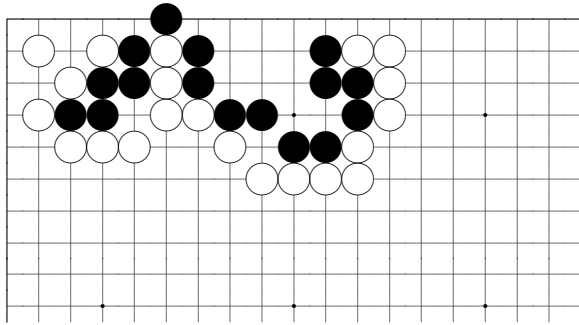
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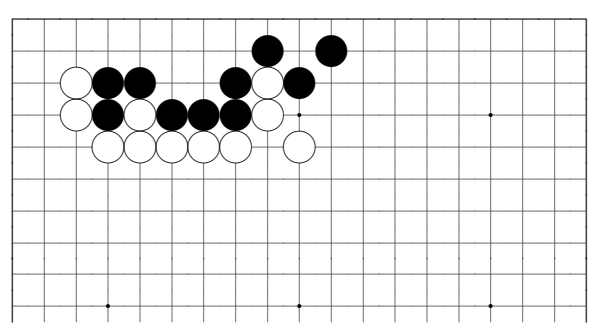
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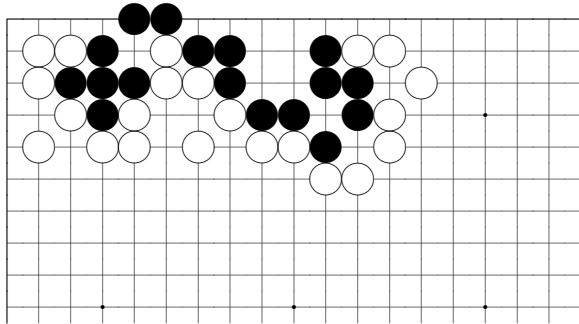
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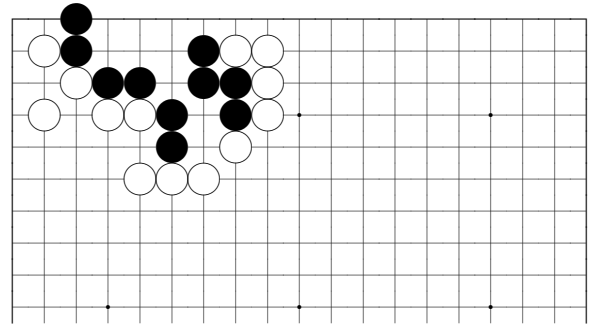
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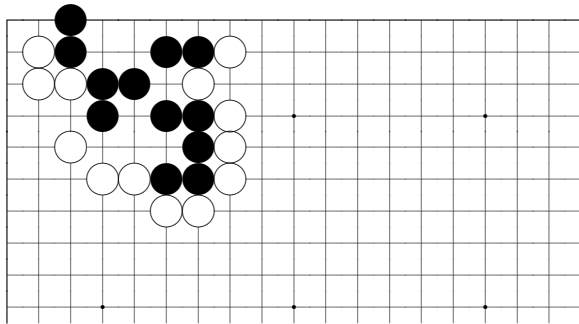
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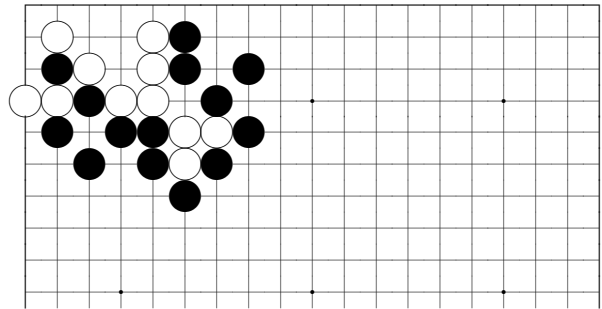
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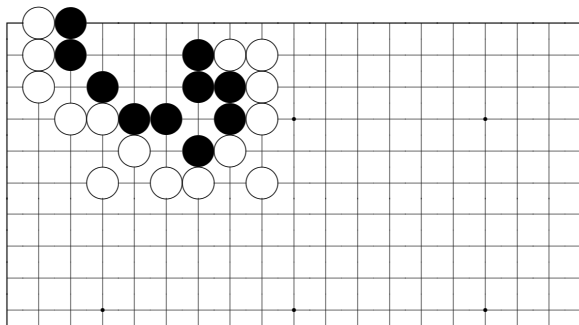
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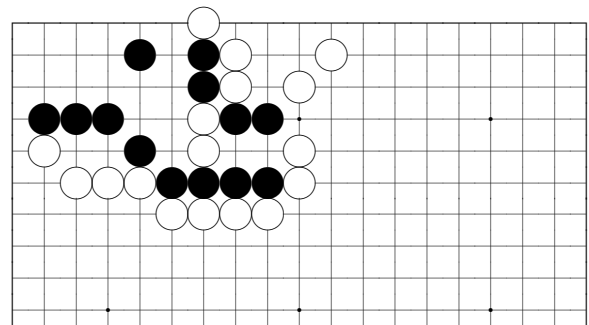
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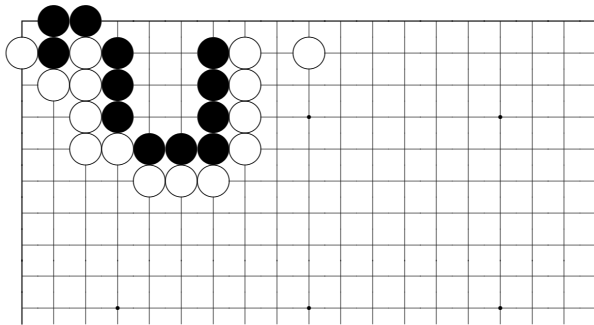
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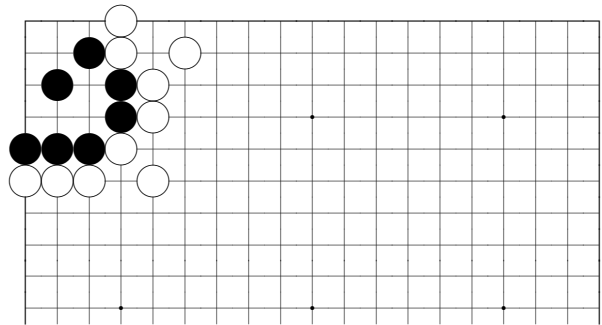
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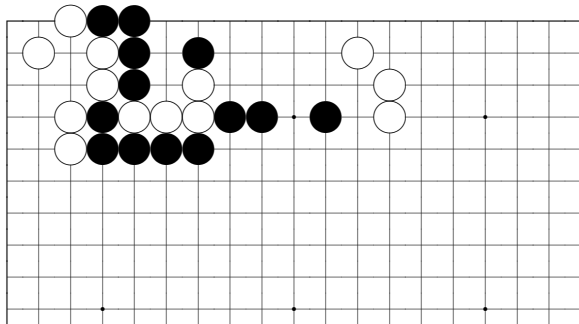
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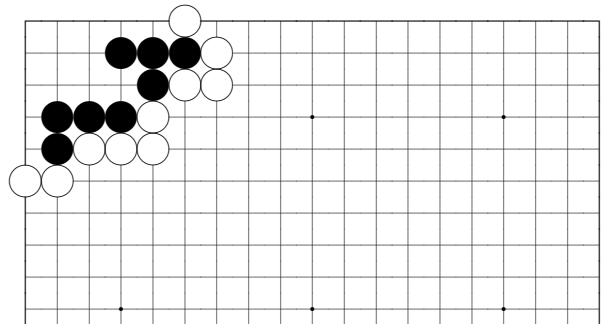
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*Problem 47*

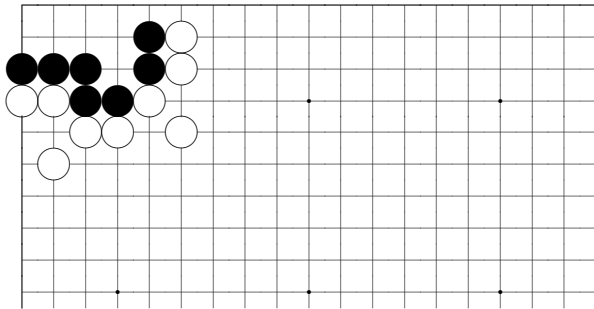


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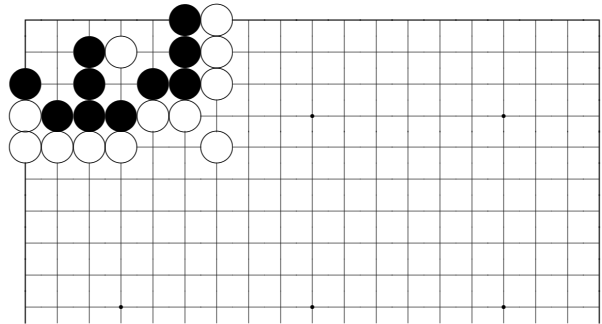


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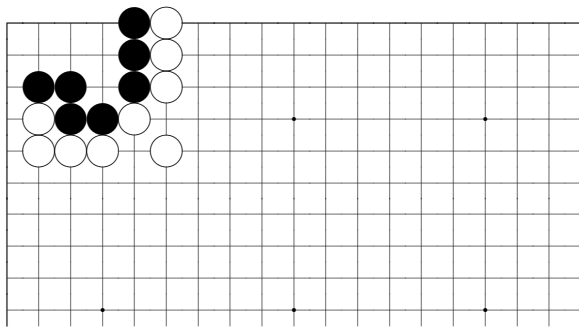




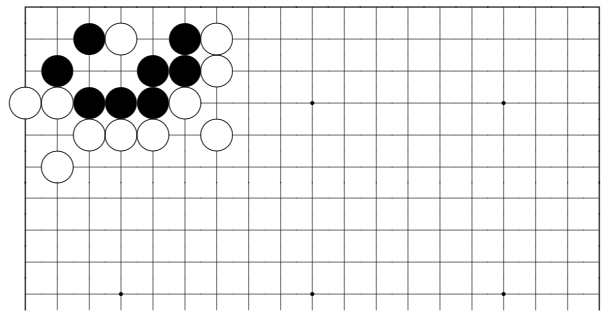
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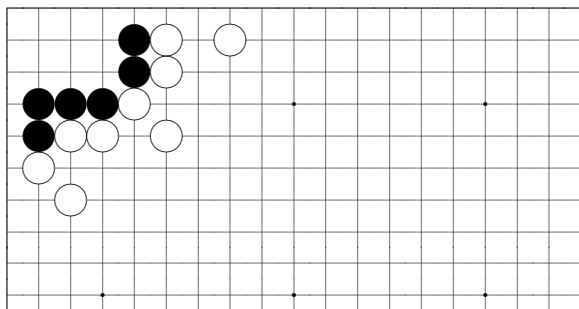
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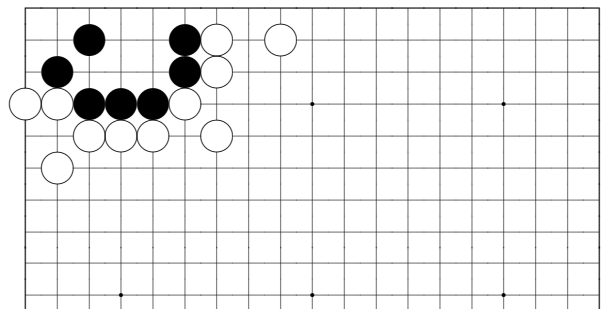
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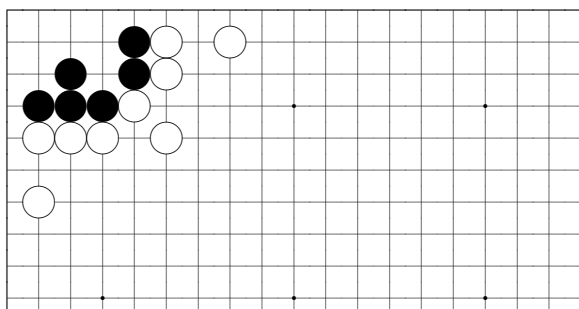
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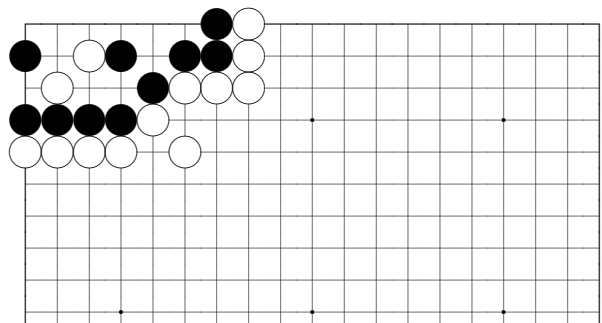
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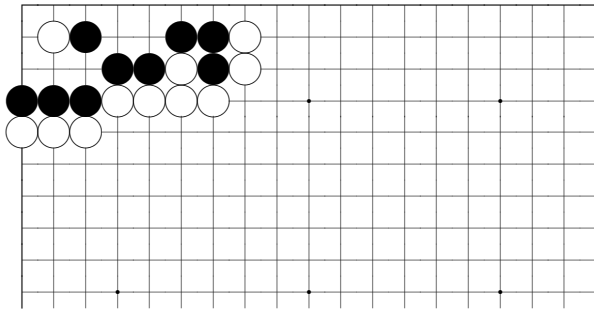
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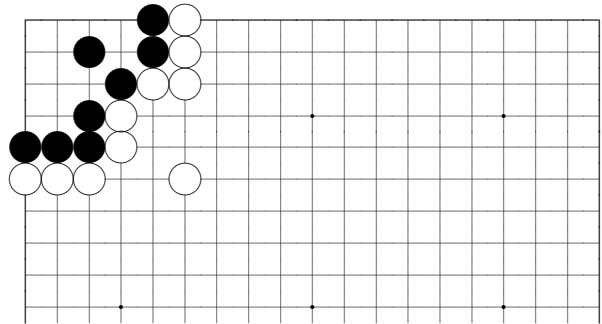
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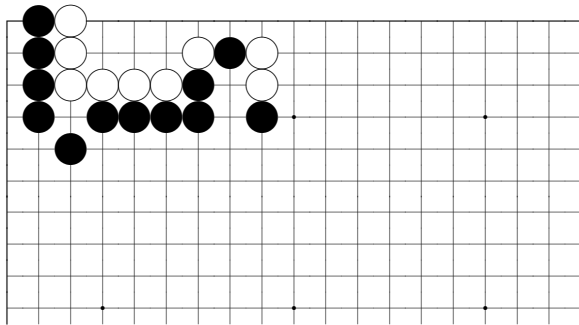
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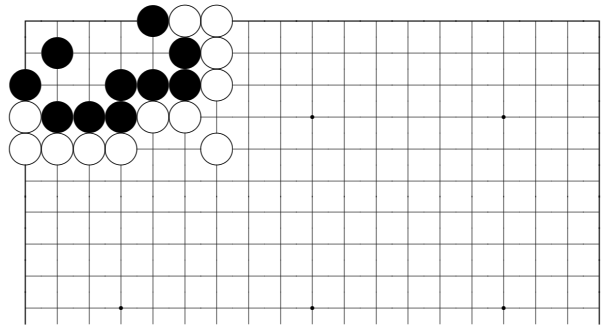
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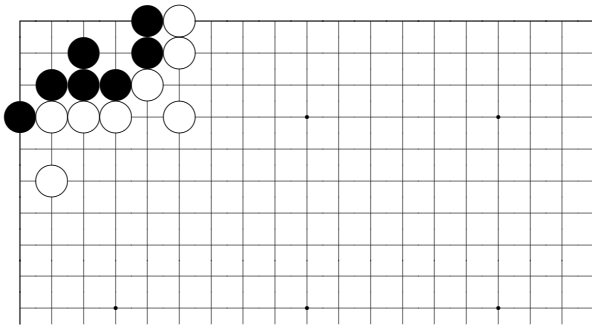
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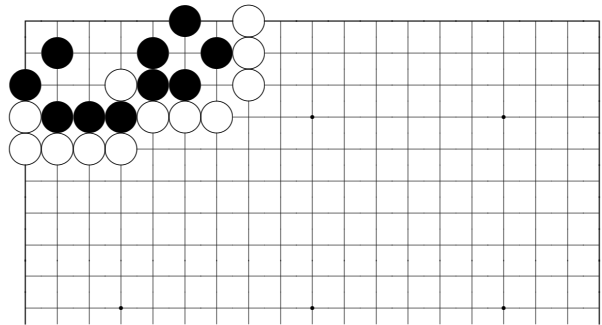
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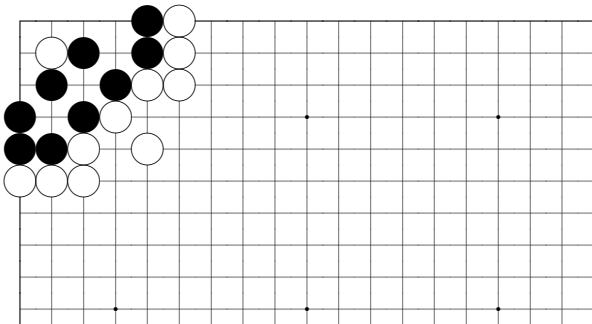
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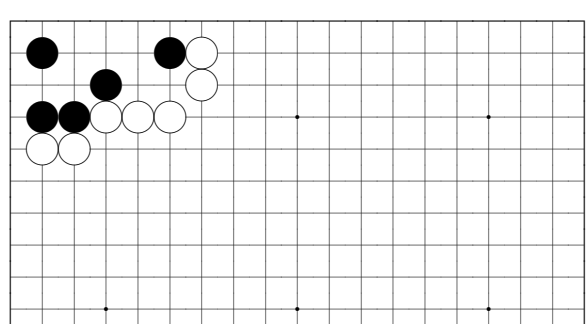
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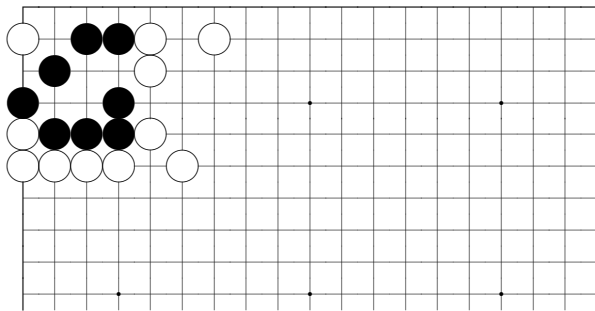
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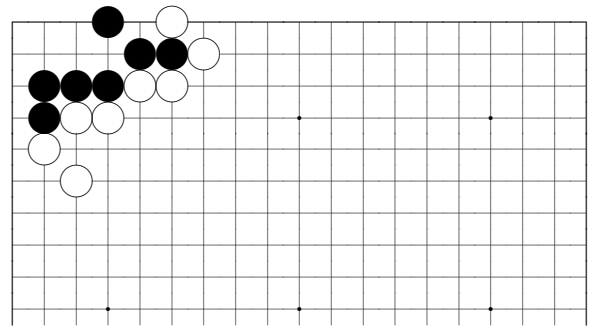
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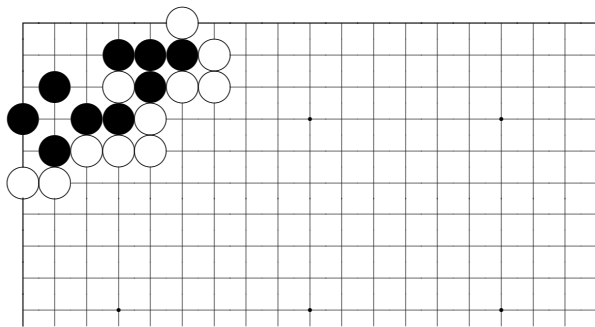
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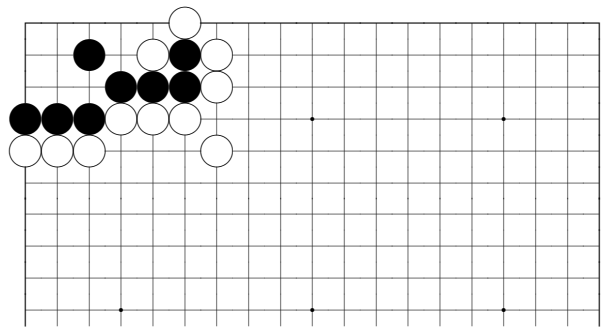
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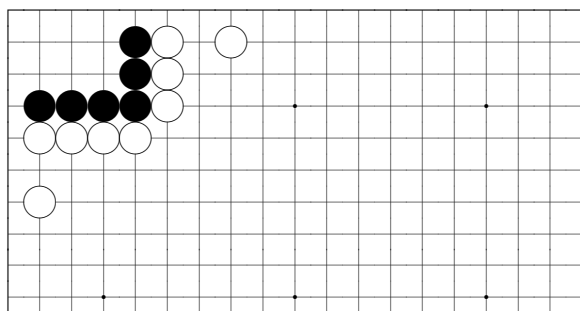
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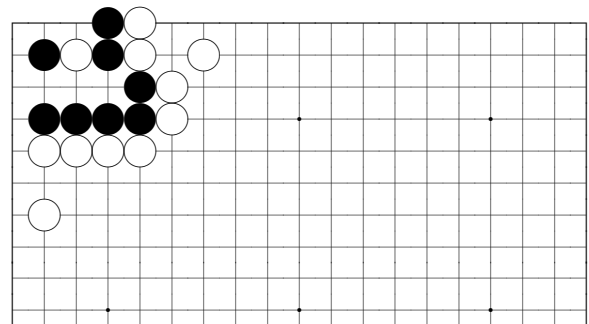
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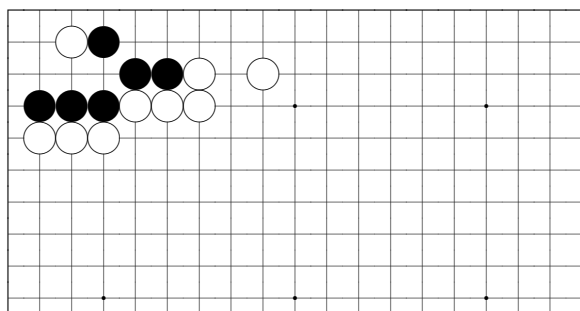
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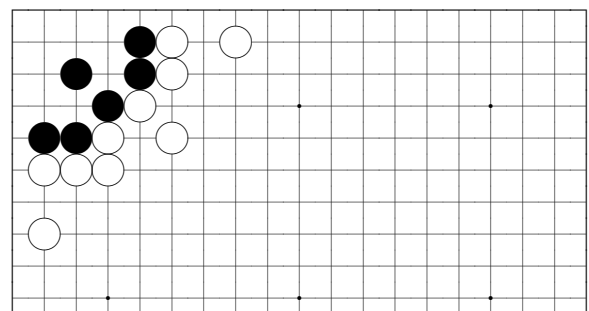
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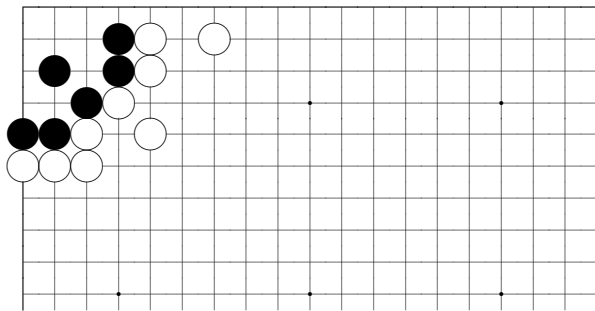
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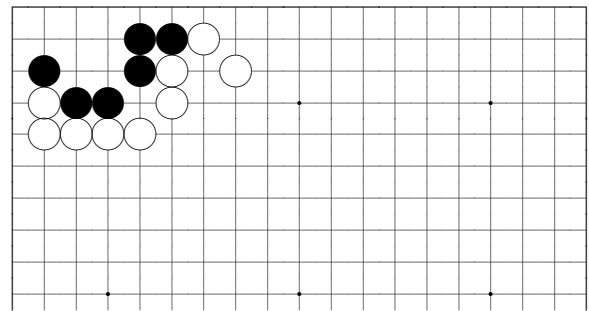
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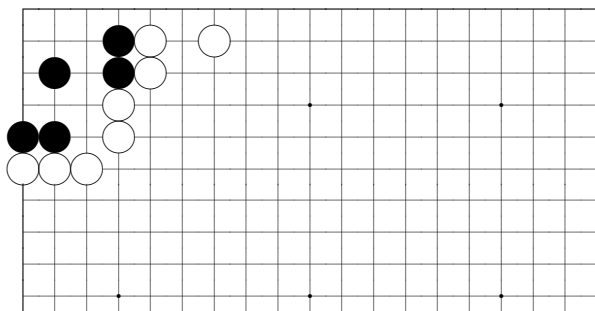
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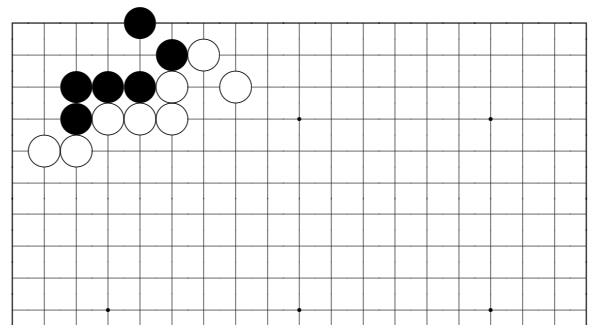
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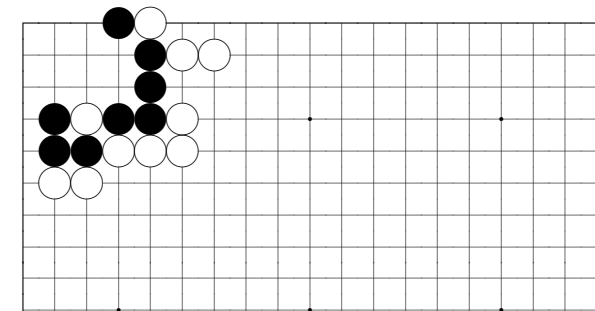
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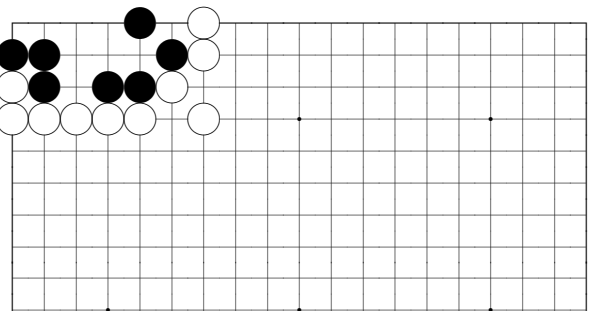
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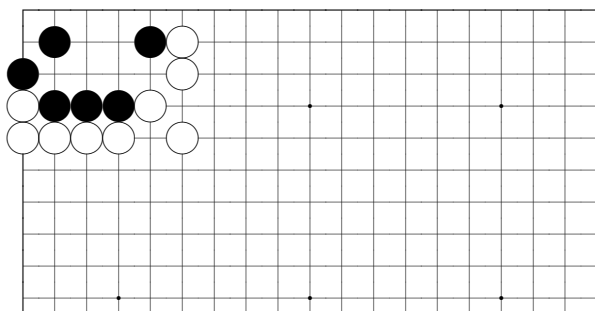
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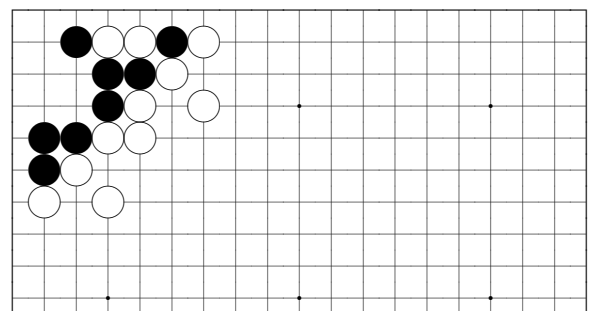
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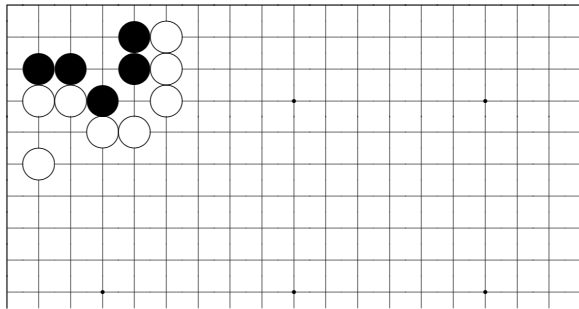
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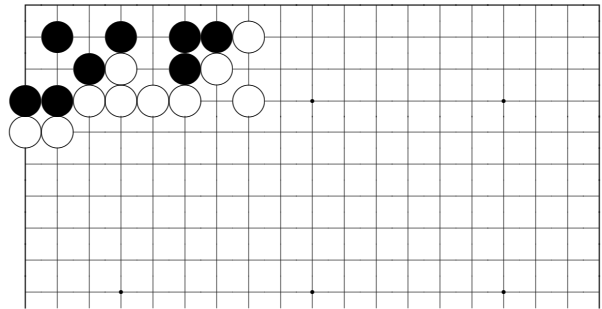
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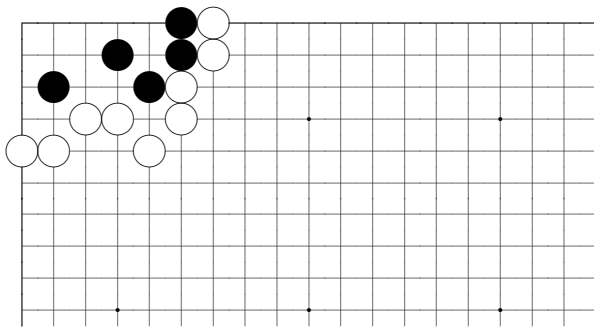
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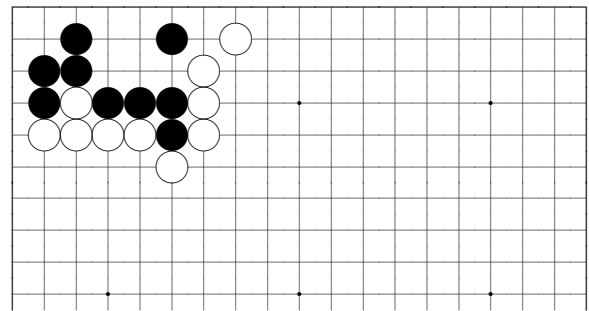
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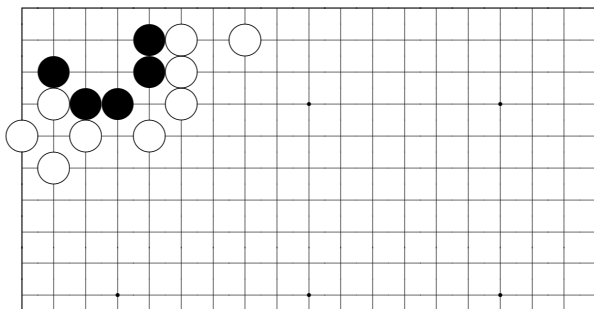
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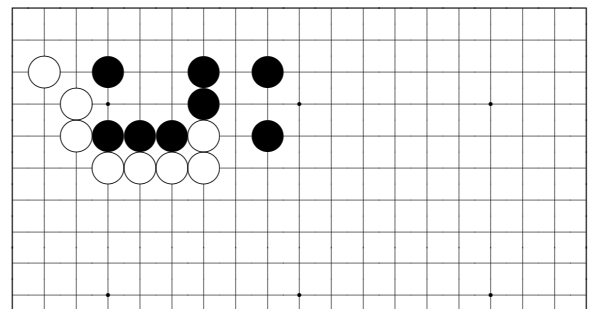
*Problem 82*



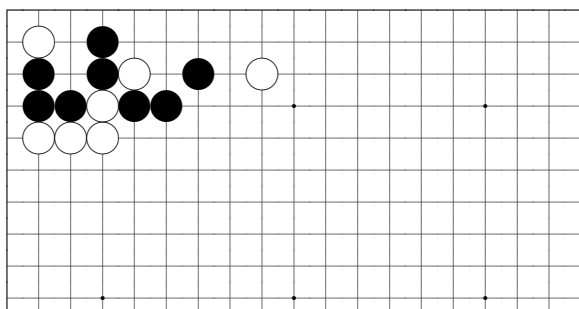
*Problem 86*



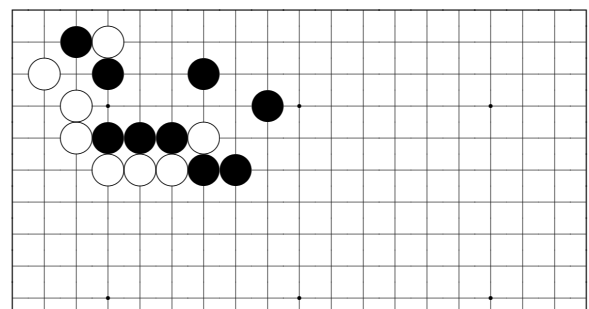
*Problem 83*



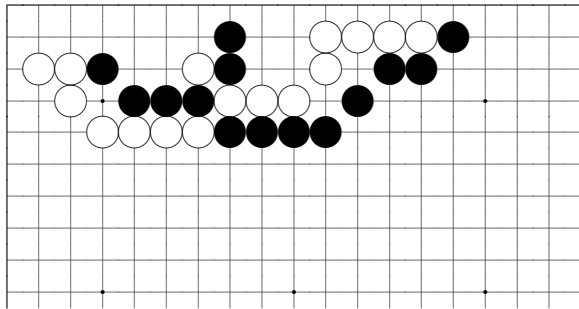
*Problem 87*



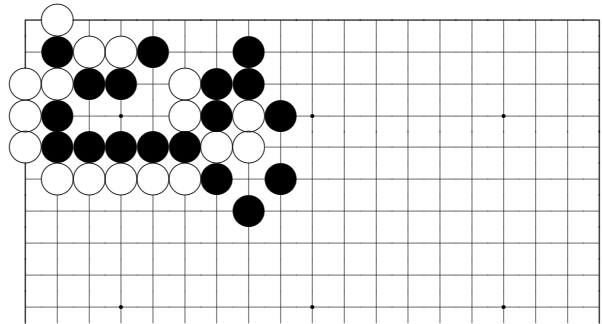
*Problem 84*



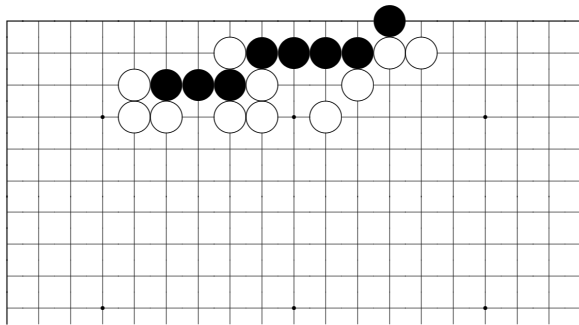
*Problem 88*



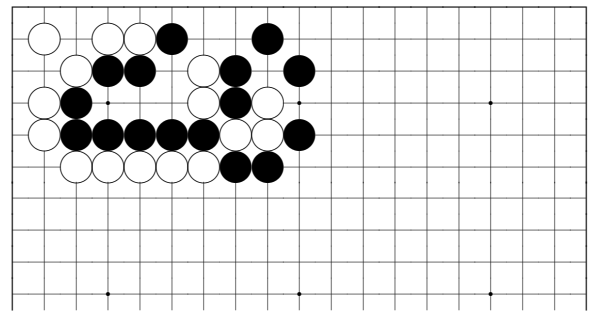
*Problem 89*



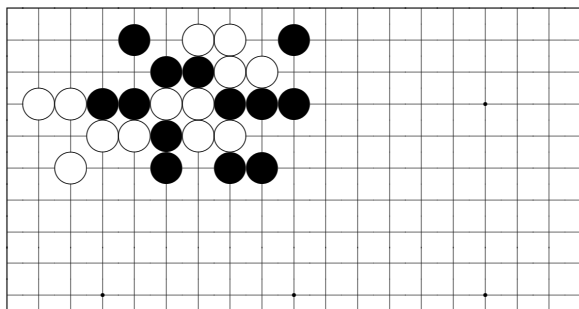
*Problem 93*



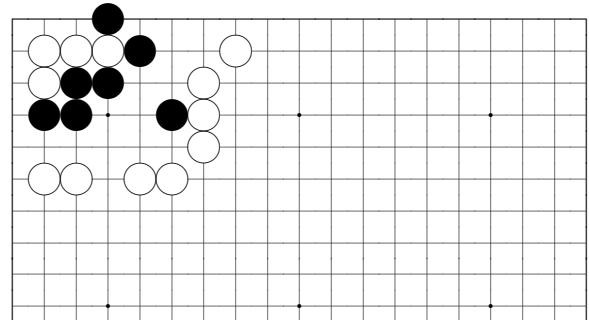
*Problem 90*



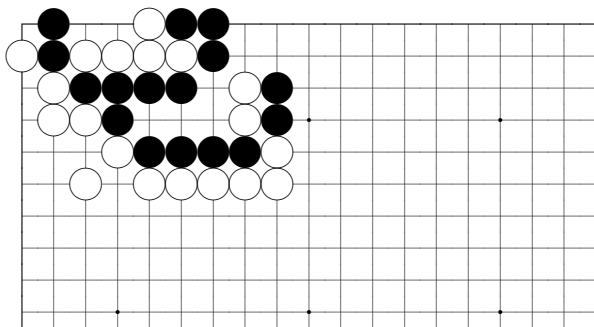
*Problem 94*



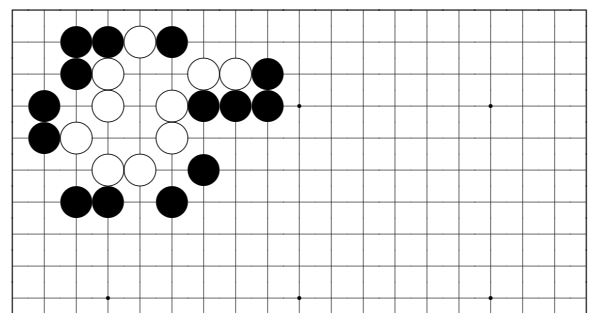
*Problem 91*



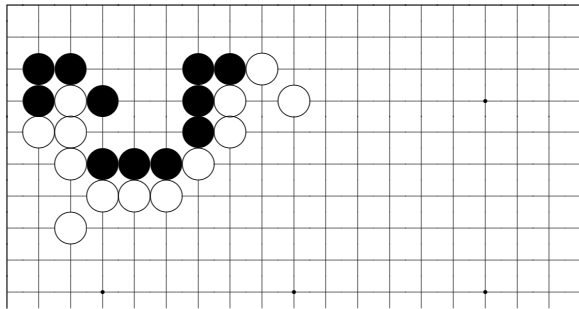
*Problem 95*



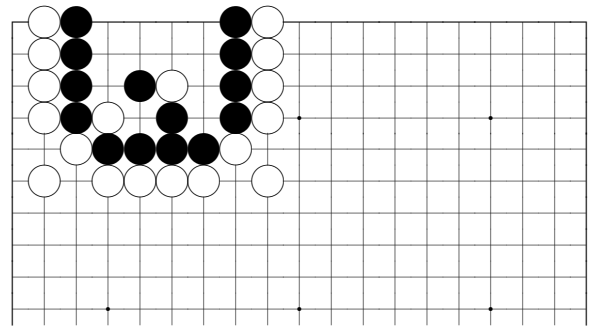
*Problem 92*



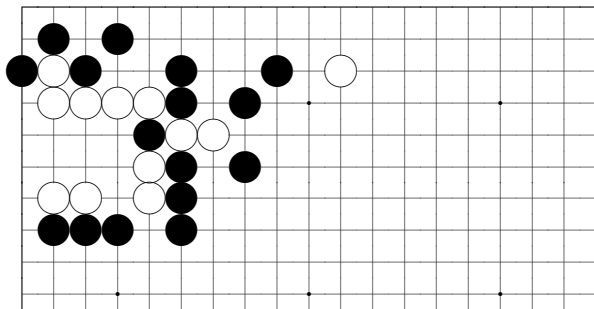
*Problem 96*



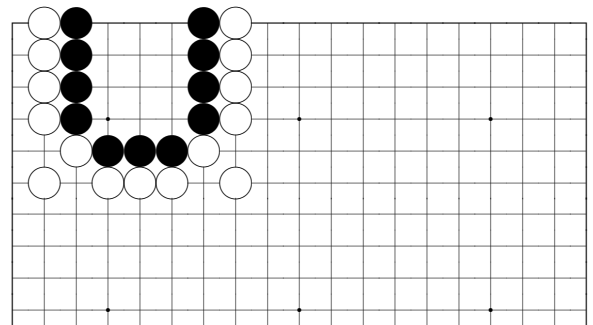
*Problem 97*



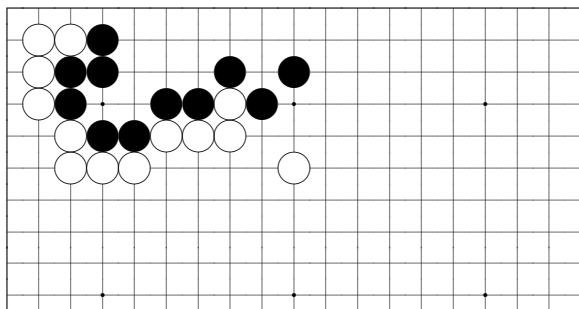
*Problem 101*



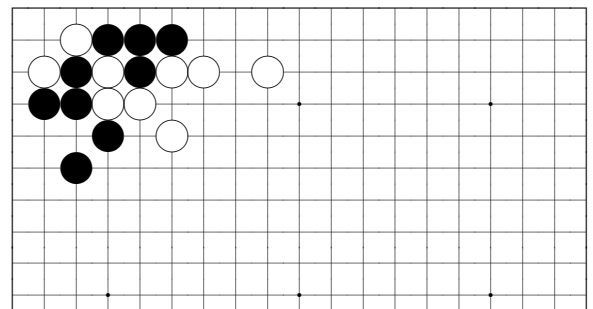
*Problem 98*



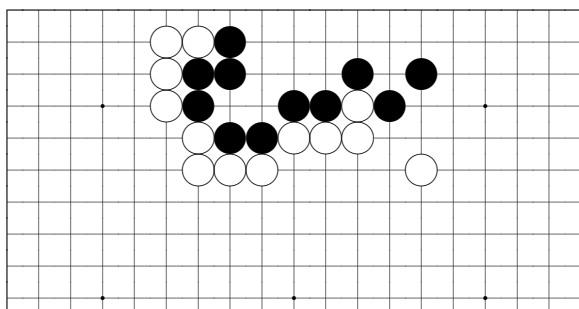
*Problem 102*



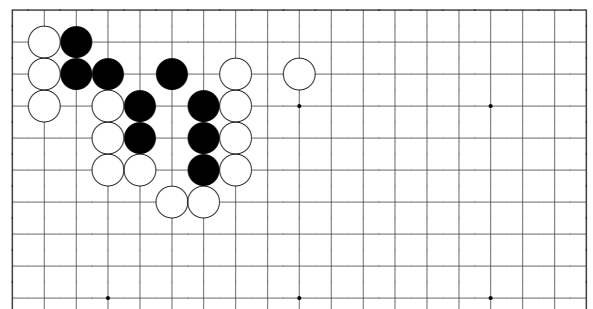
*Problem 99*



*Problem 103*



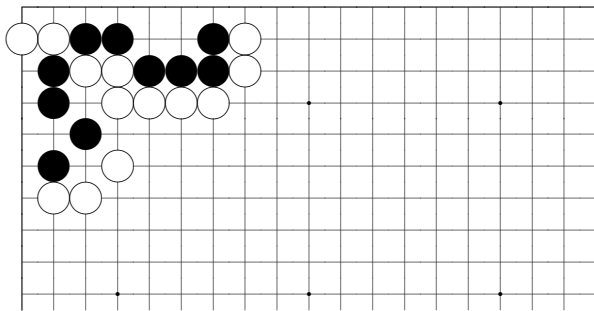
*Problem 100*



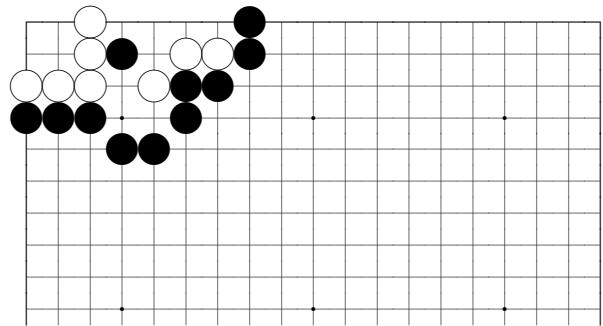
*Problem 104*



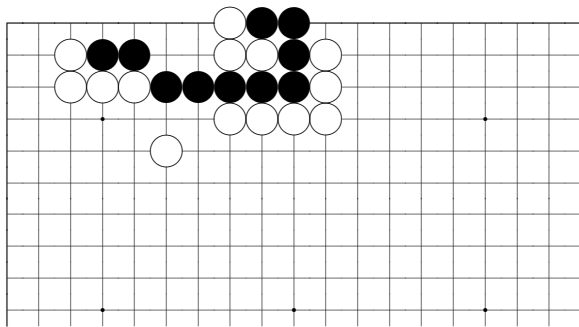




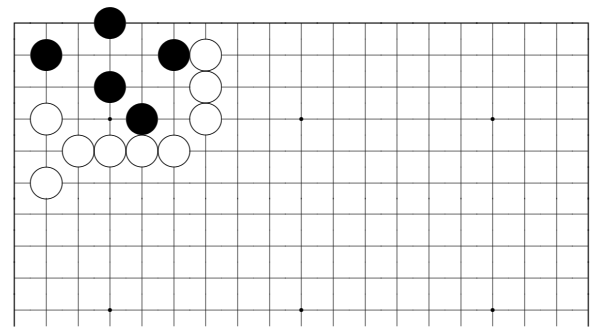
*Problem 113*



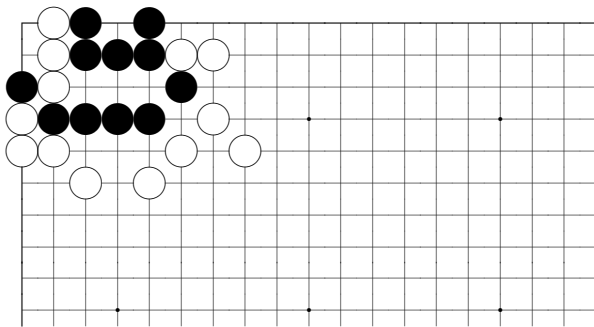
*Problem 117*



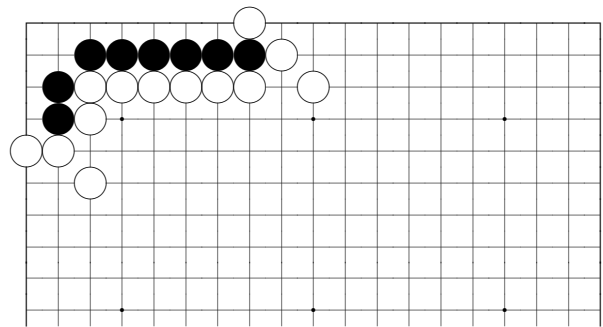
*Problem 114*



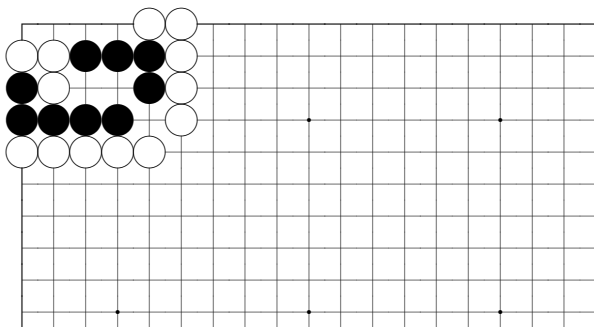
*Problem 118*



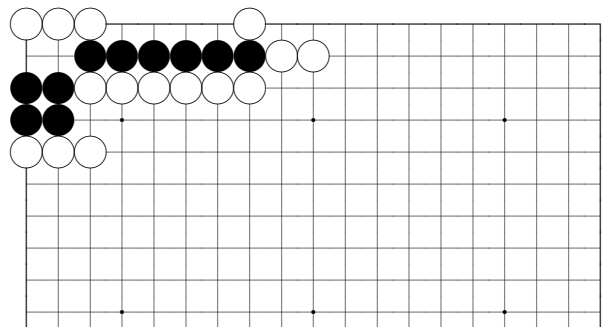
*Problem 115*



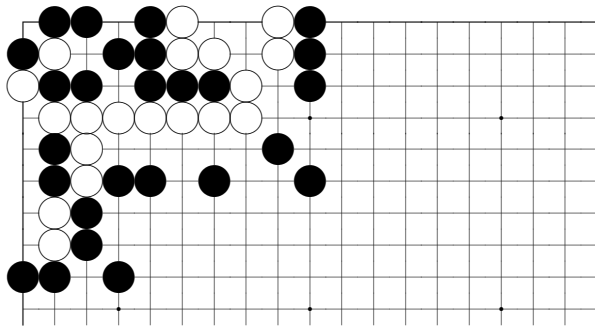
*Problem 119*



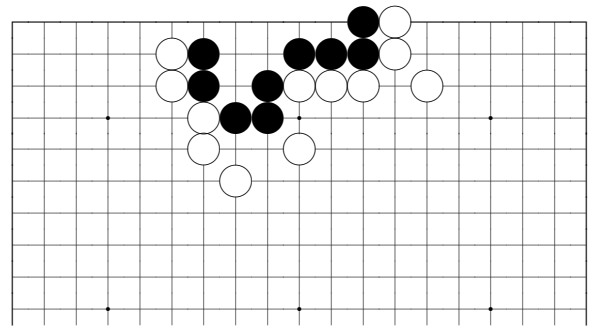
*Problem 116*



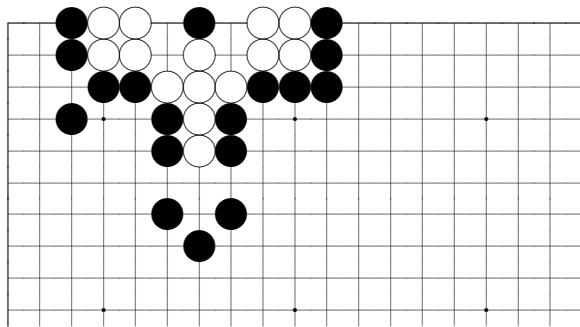
*Problem 120*



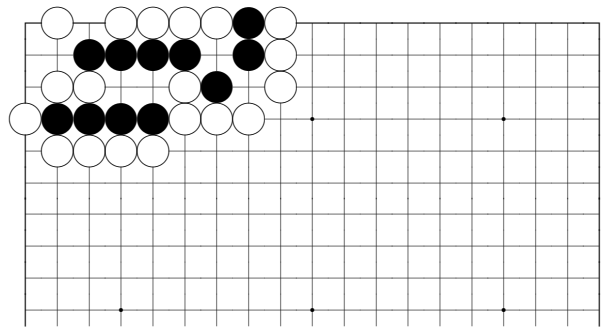
*Problem 121*



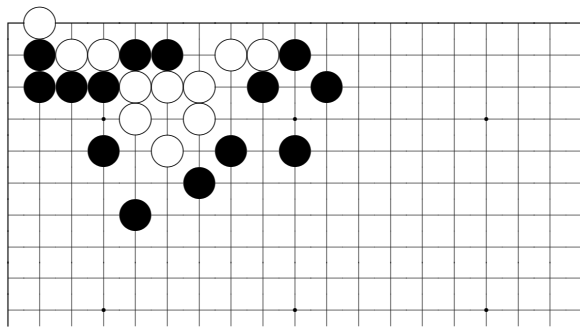
*Problem 125*



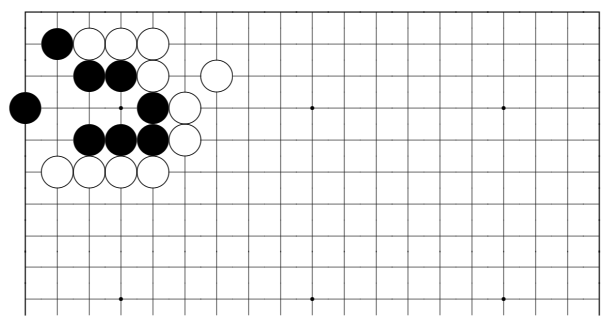
*Problem 122*



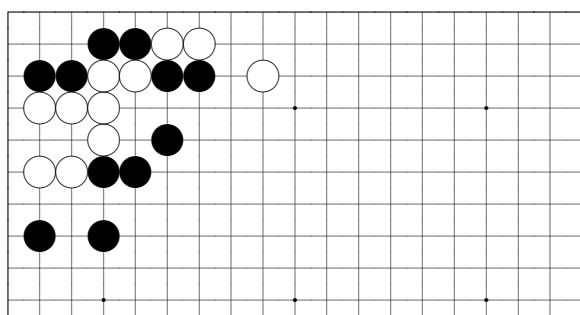
*Problem 126*



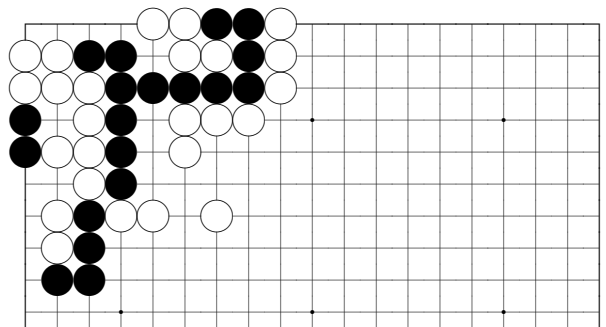
*Problem 123*



*Problem 127*

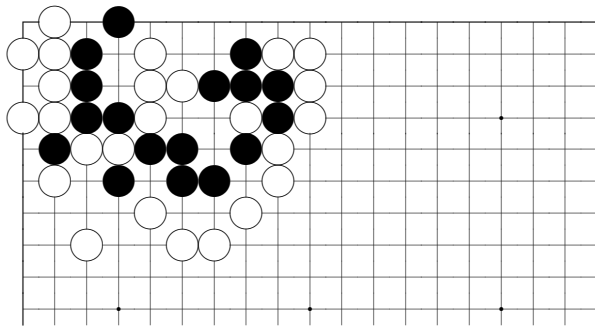


*Problem 124*

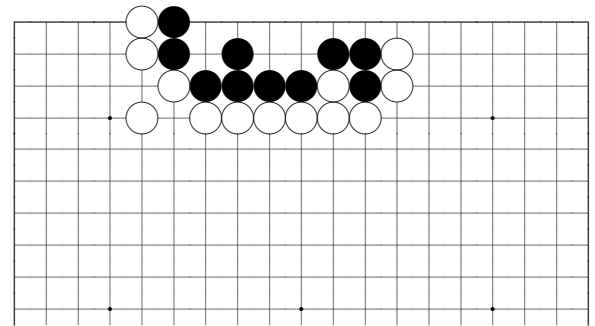


*Problem 128*

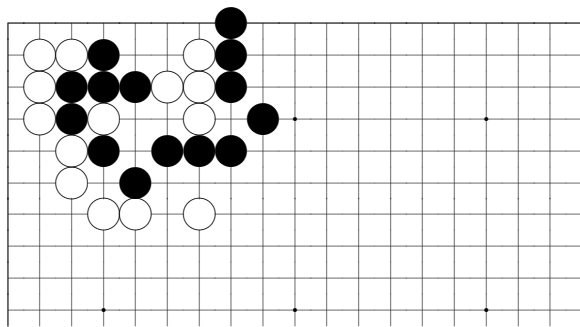




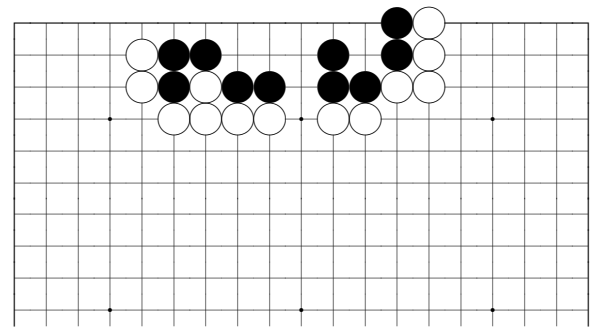
*Problem 137*



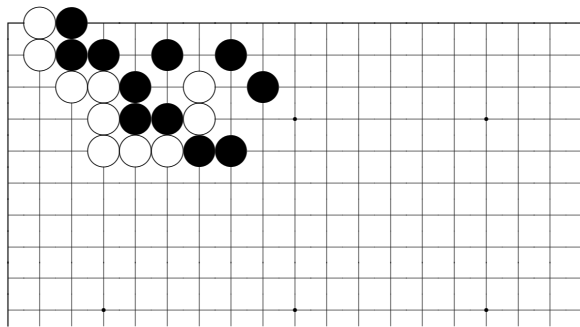
*Problem 141*



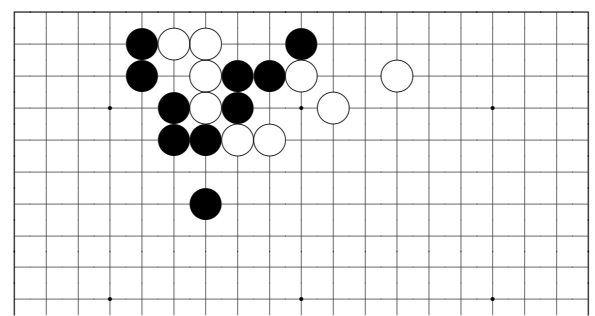
*Problem 138*



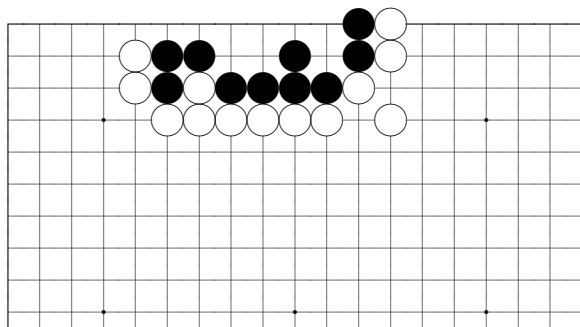
*Problem 142*



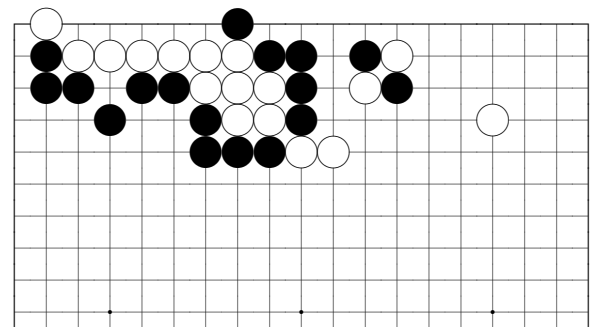
*Problem 139*



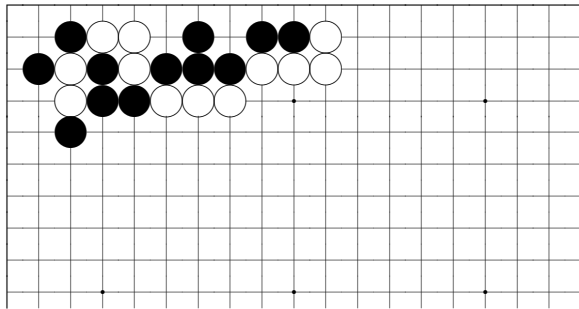
*Problem 143*



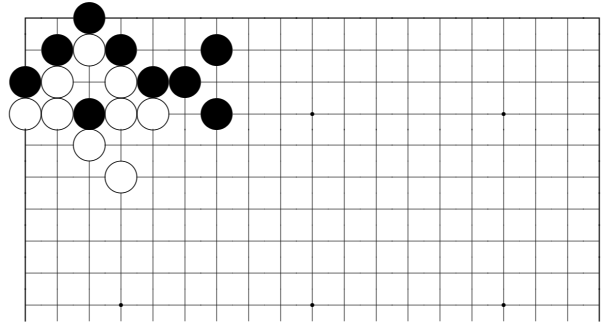
*Problem 140*



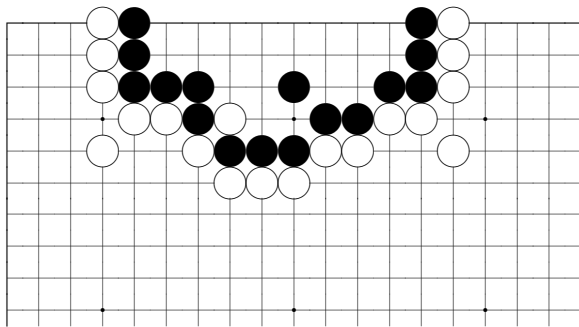
*Problem 144*



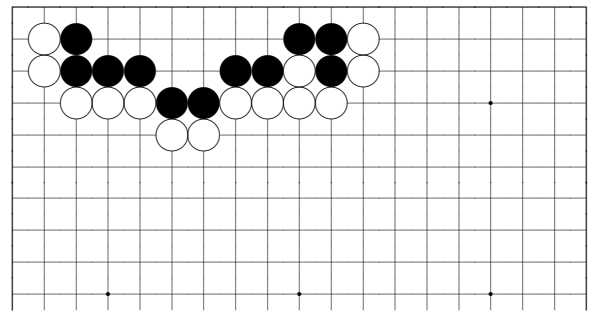
*Problem 145*



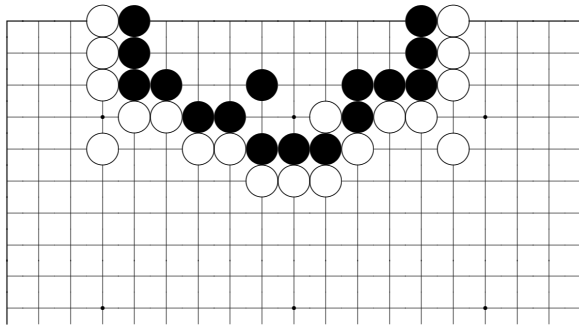
*Problem 149*



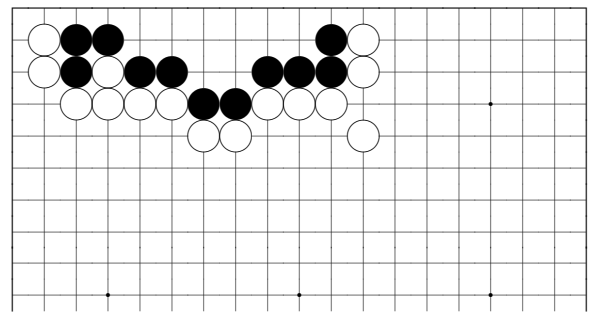
*Problem 146*



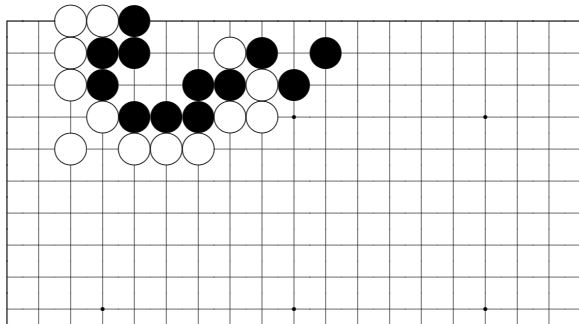
*Problem 150*



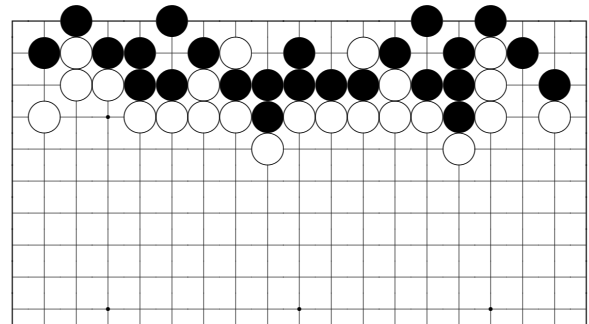
*Problem 147*



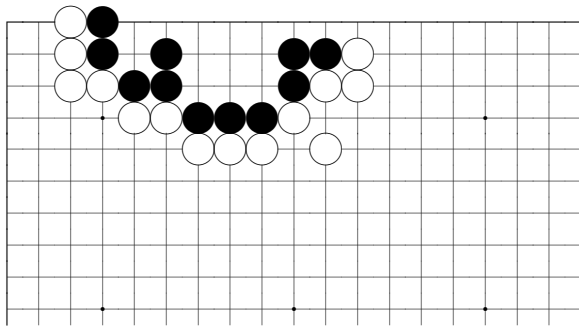
*Problem 151*



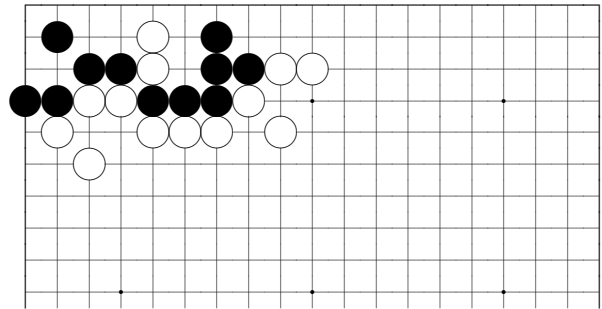
*Problem 148*



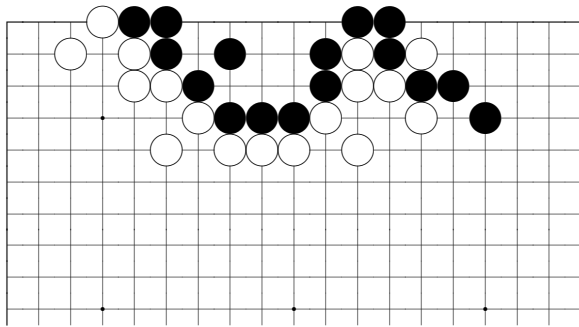
*Problem 152*



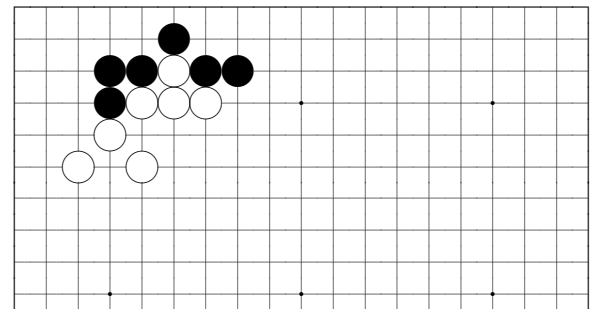
*Problem 153*



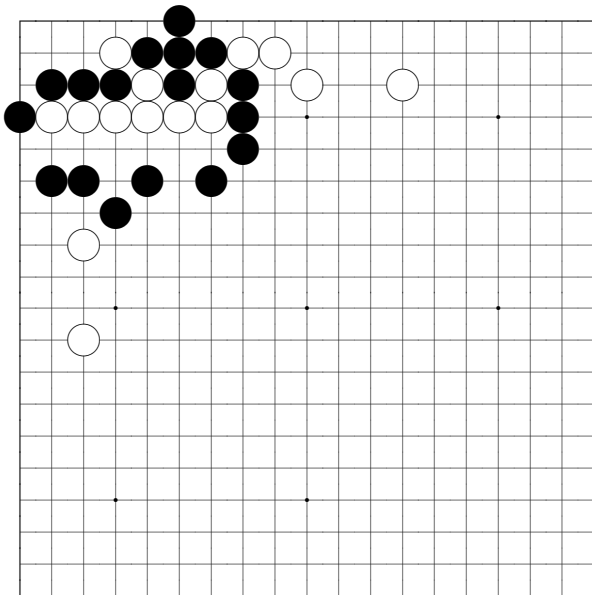
*Problem 156*



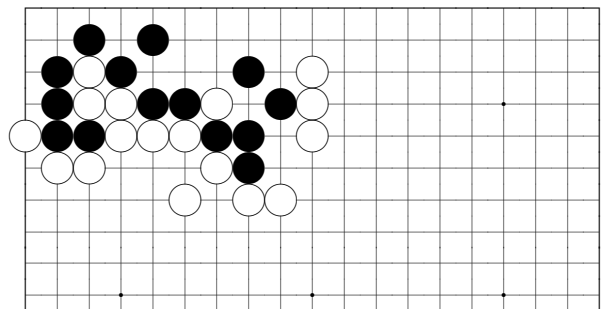
*Problem 154*



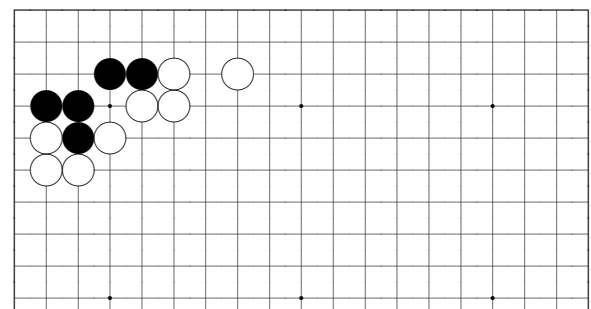
*Problem 157*



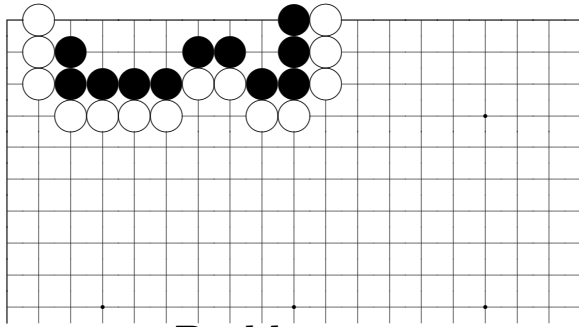
*Problem 155*



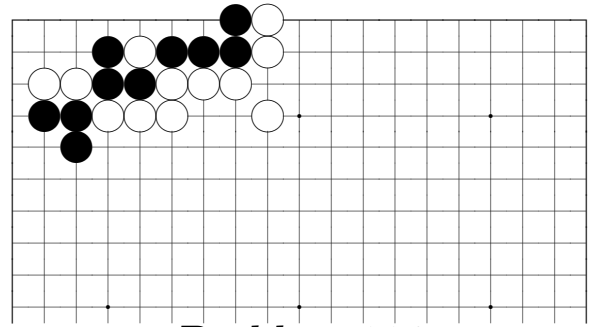
*Problem 158*



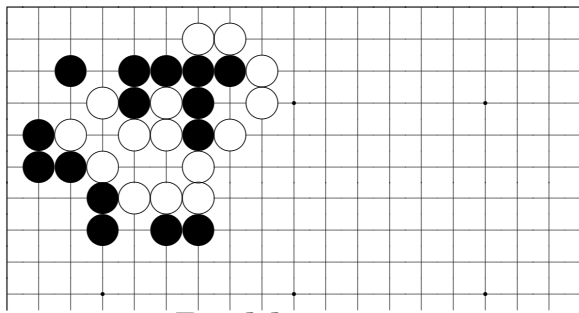
*Problem 159*



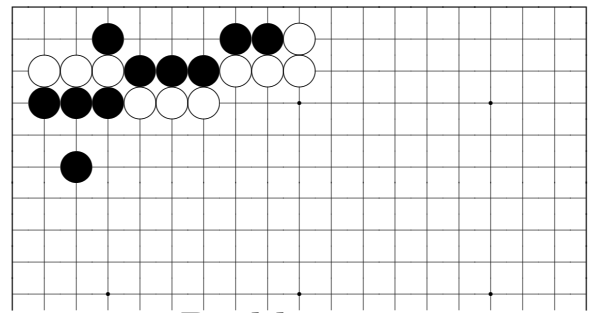
*Problem 160*



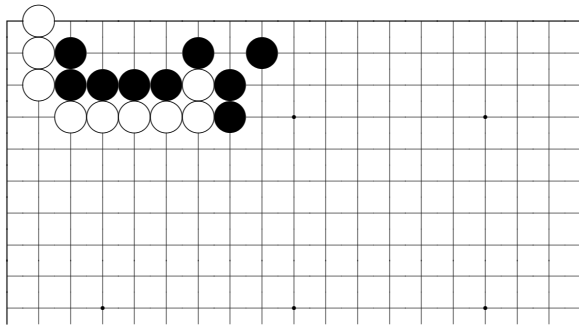
*Problem 164*



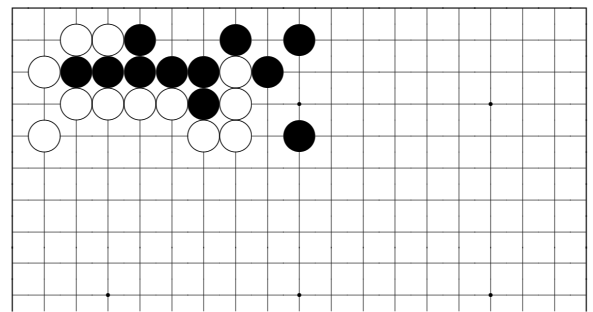
*Problem 161*



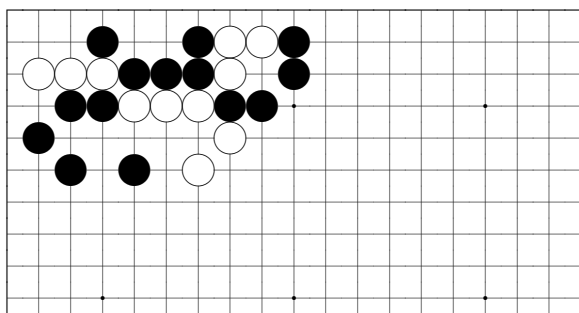
*Problem 165*



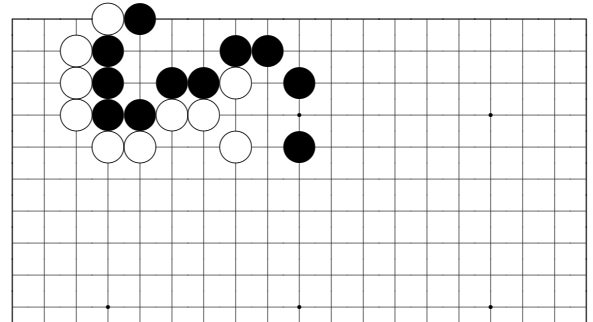
*Problem 162*



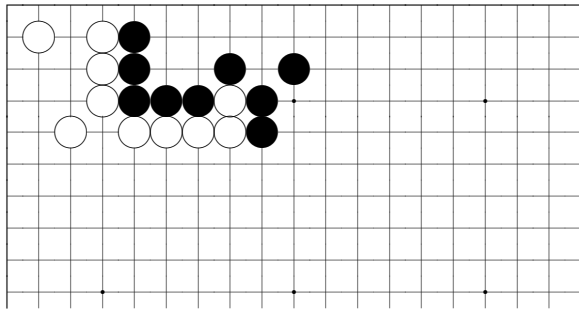
*Problem 166*



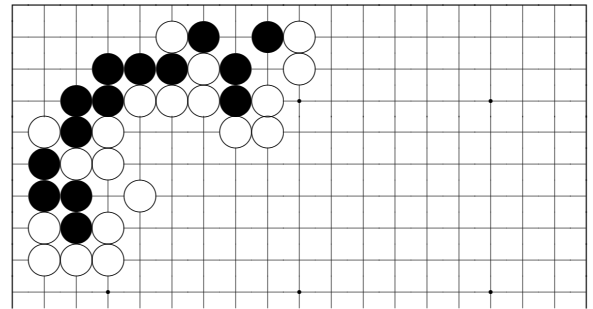
*Problem 163*



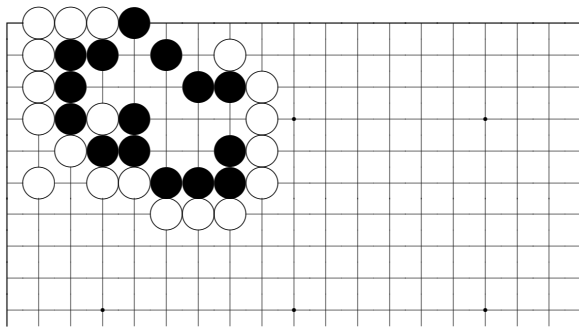
*Problem 167*



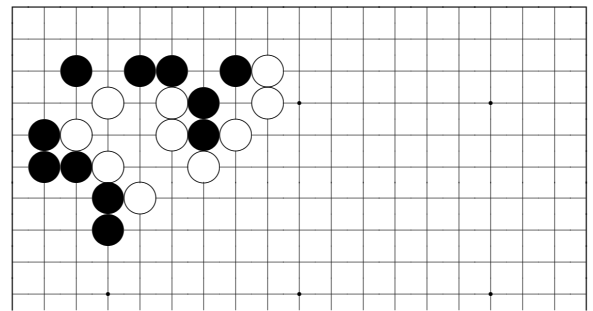
*Problem 168*



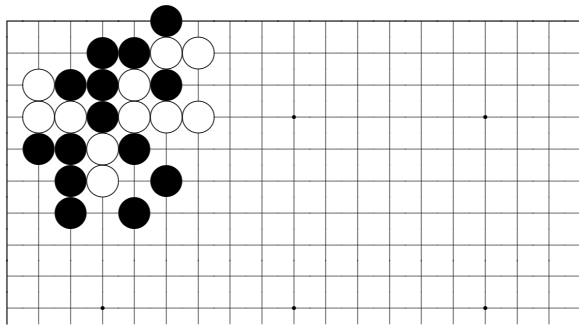
*Problem 172*



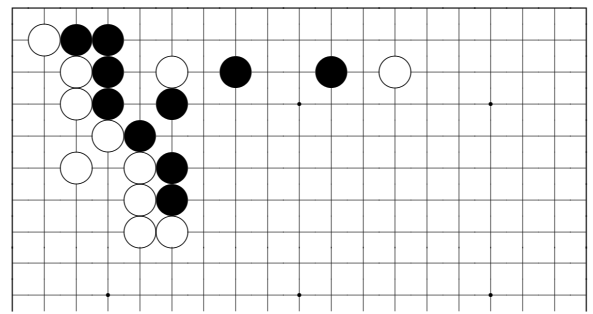
*Problem 169*



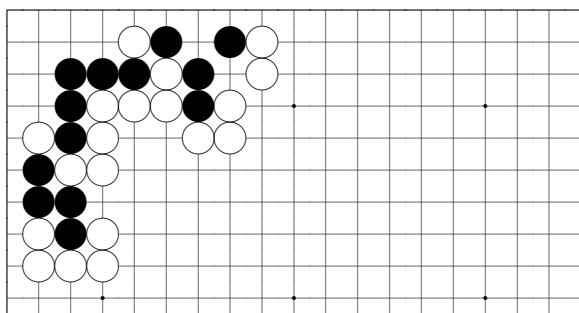
*Problem 173*



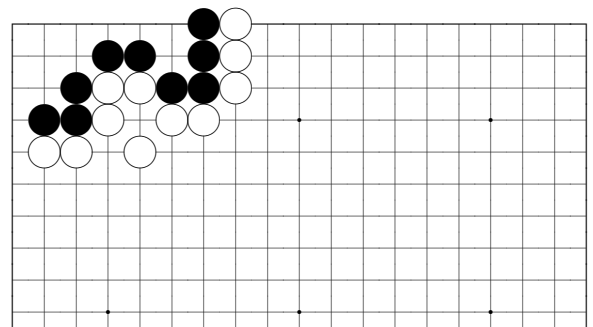
*Problem 170*



*Problem 174*

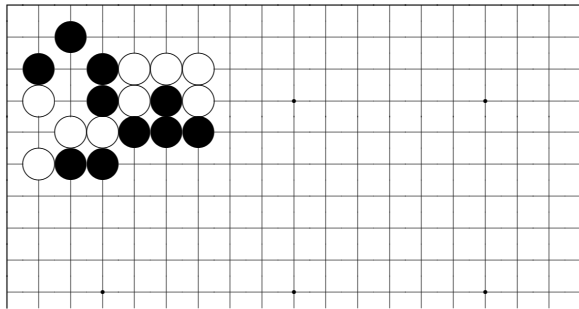


*Problem 171*

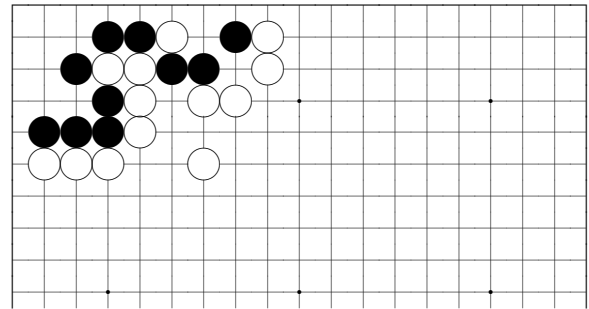


*Problem 175*

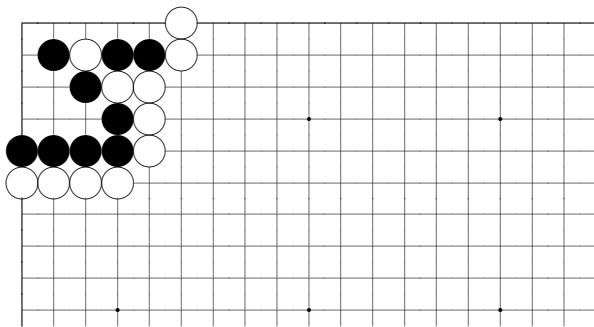




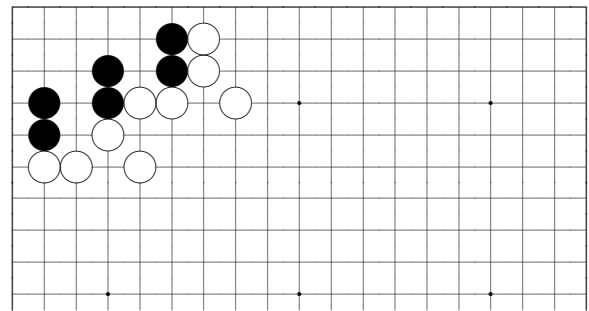
*Problem 176*



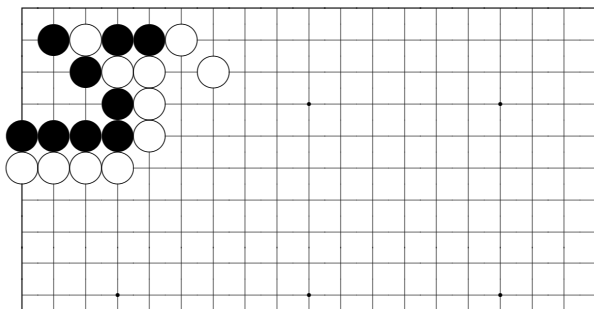
*Problem 180*



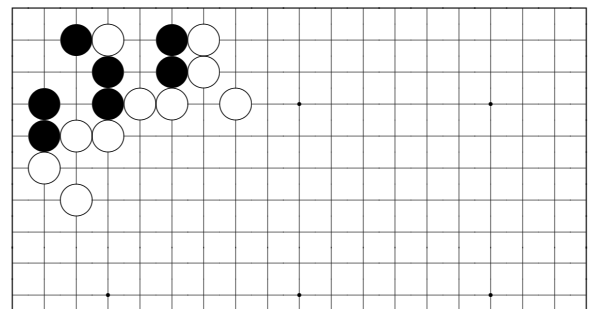
*Problem 177*



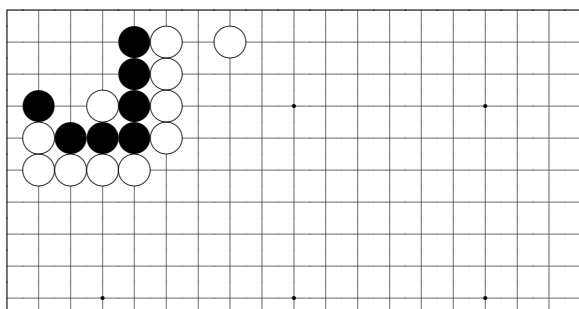
*Problem 181*



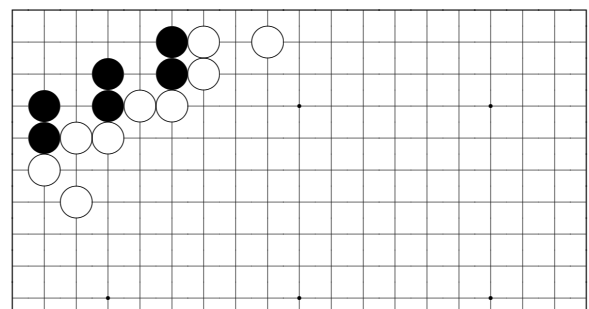
*Problem 178*



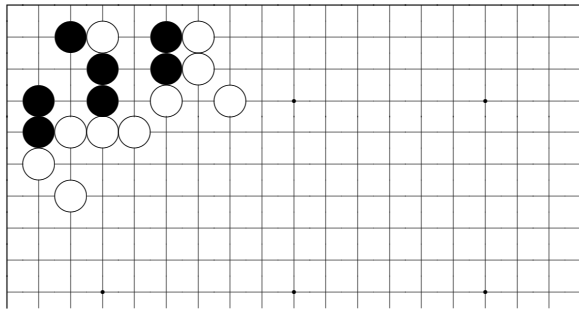
*Problem 182*



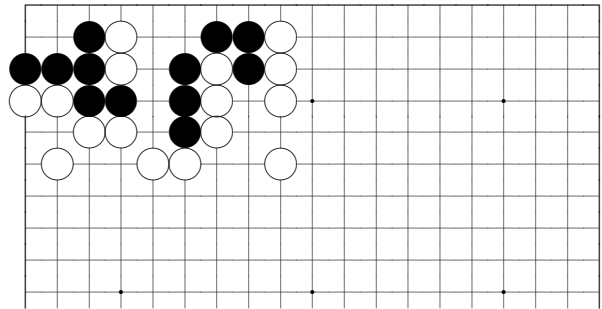
*Problem 179*



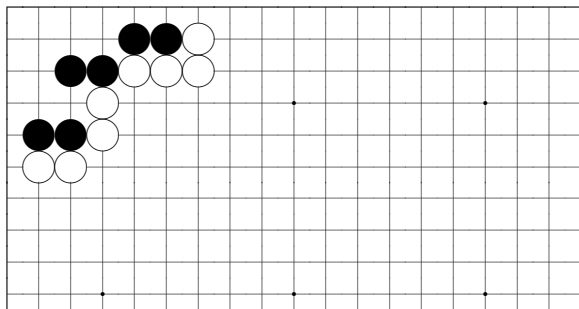
*Problem 183*



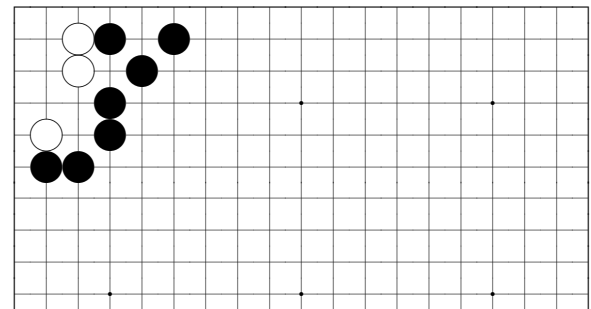
*Problem 184*



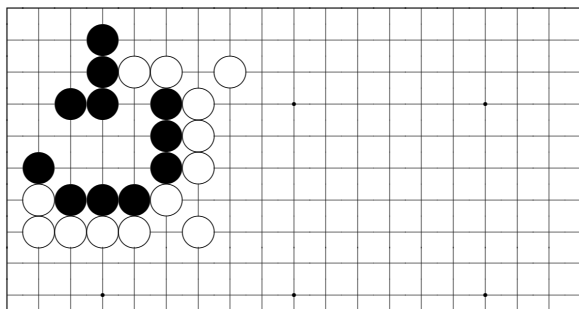
*Problem 188*



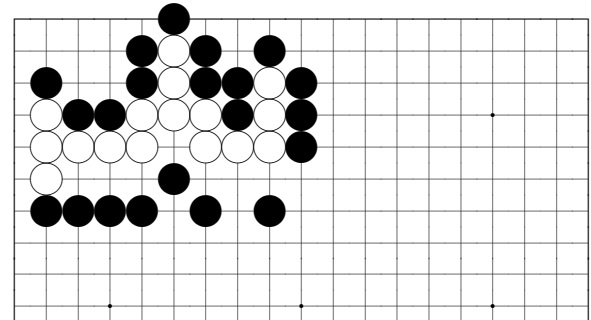
*Problem 185*



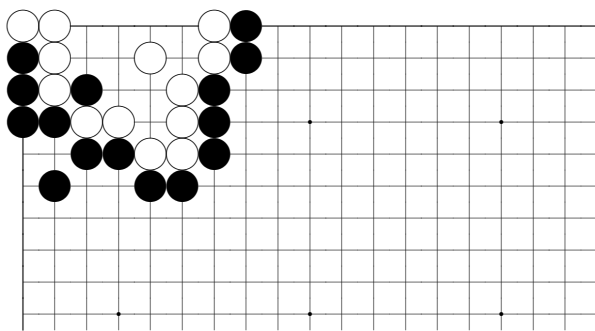
*Problem 189*



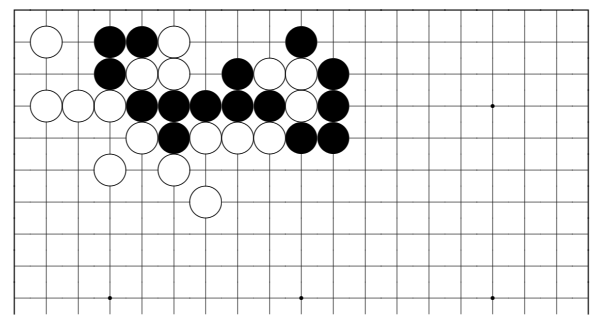
*Problem 186*



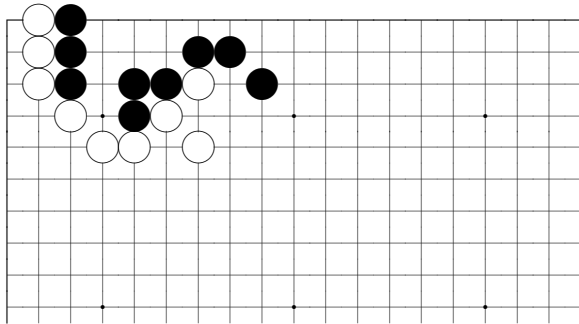
*Problem 190*



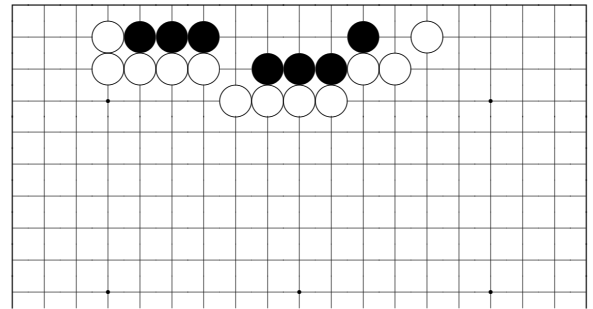
*Problem 187*



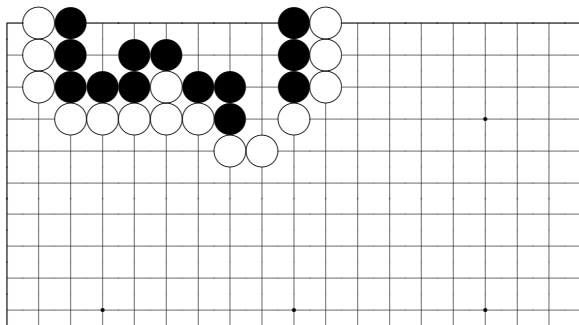
*Problem 191*



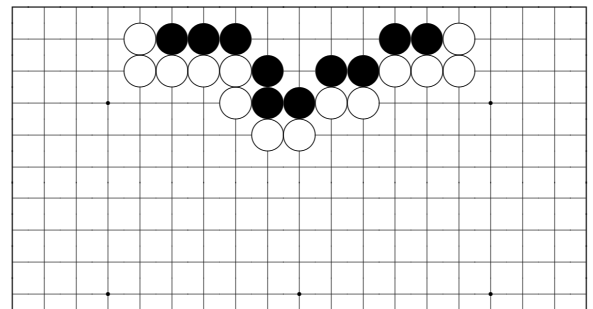
*Problem 192*



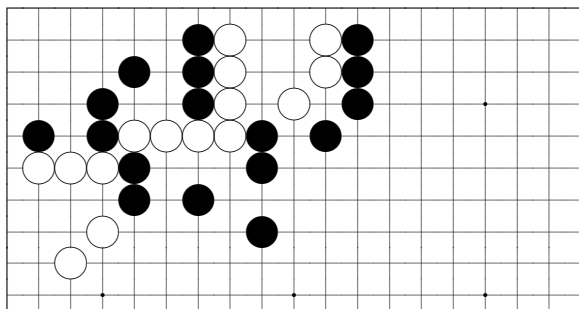
*Problem 196*



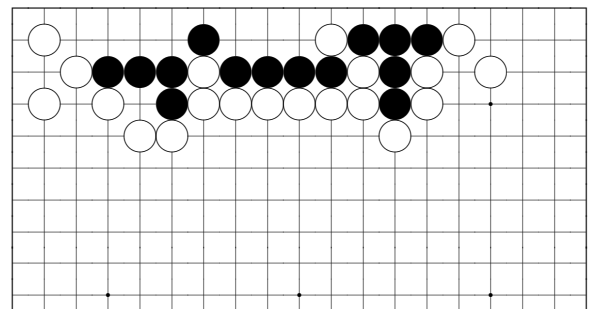
*Problem 193*



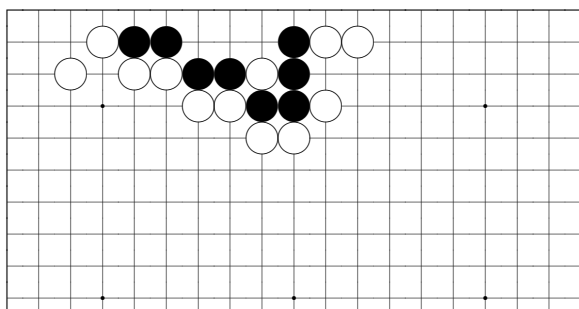
*Problem 197*



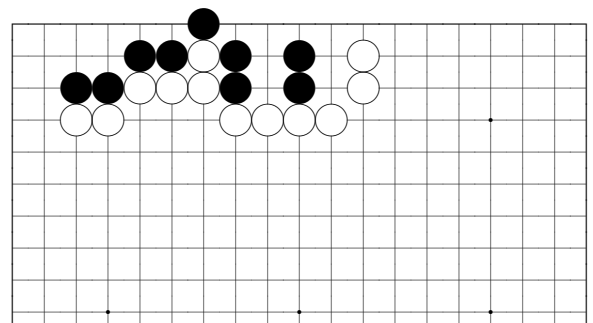
*Problem 194*



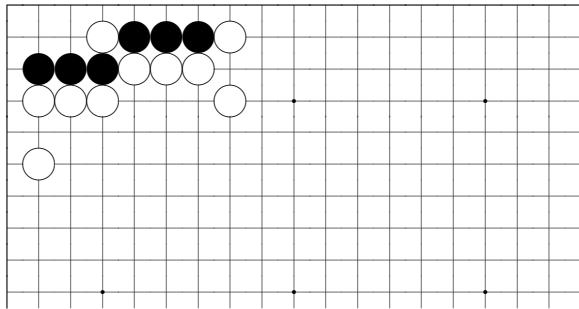
*Problem 198*



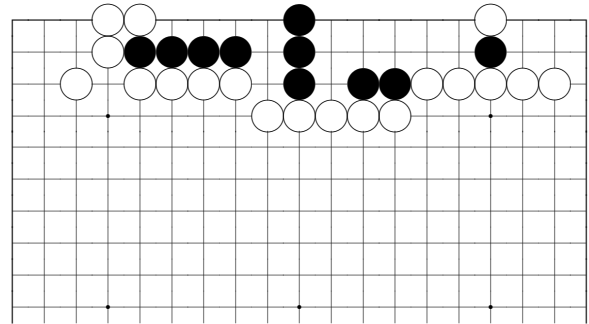
*Problem 195*



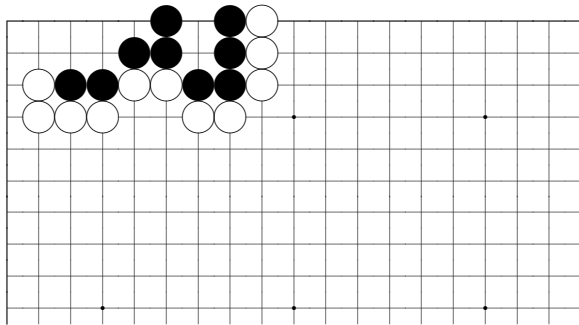
*Problem 199*



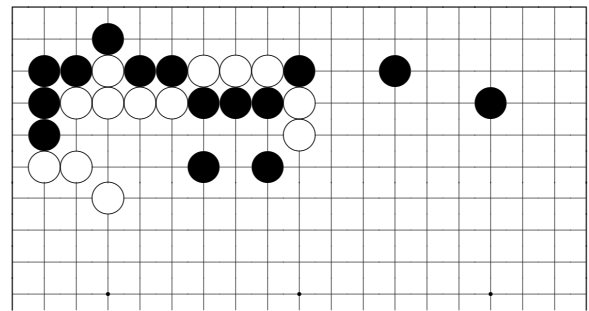
*Problem 200*



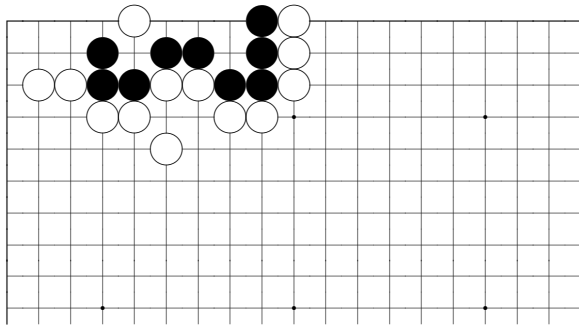
*Problem 204*



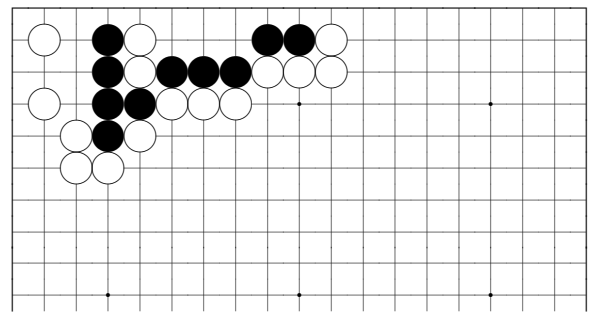
*Problem 201*



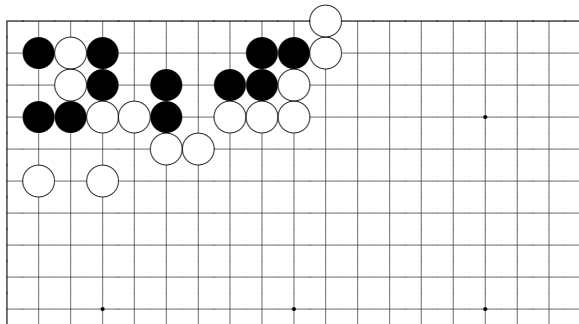
*Problem 205*



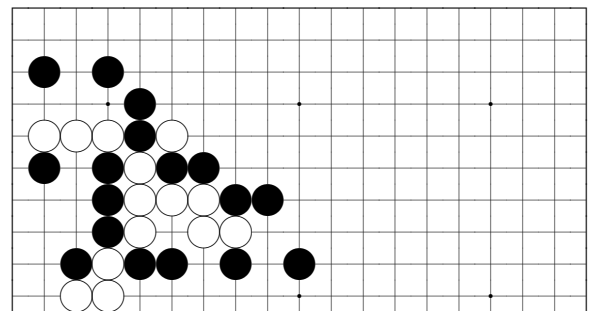
*Problem 202*



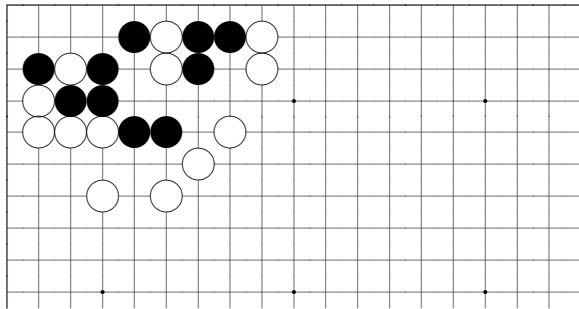
*Problem 206*



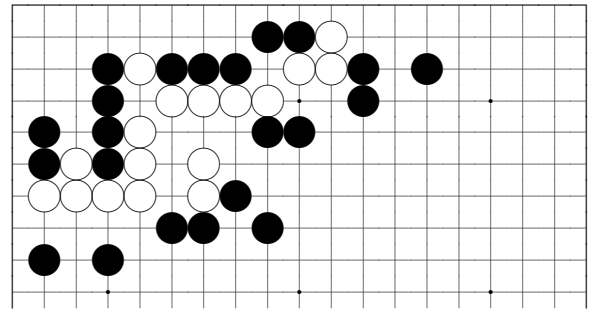
*Problem 203*



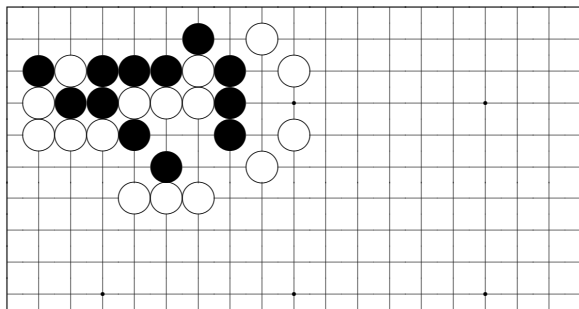
*Problem 207*



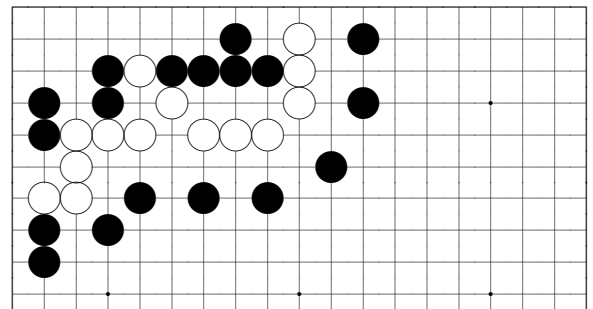
*Problem 208*



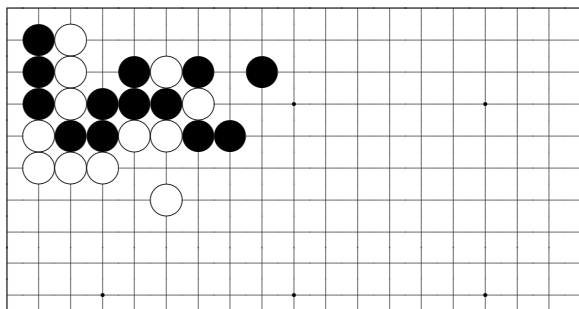
*Problem 212*



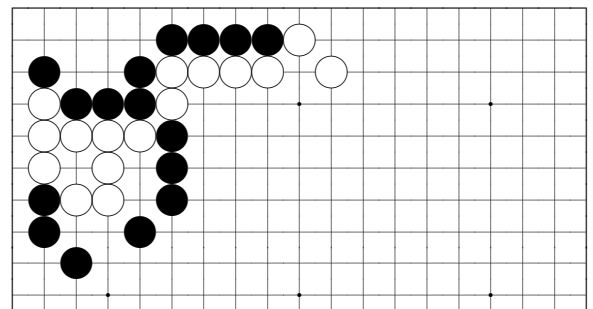
*Problem 209*



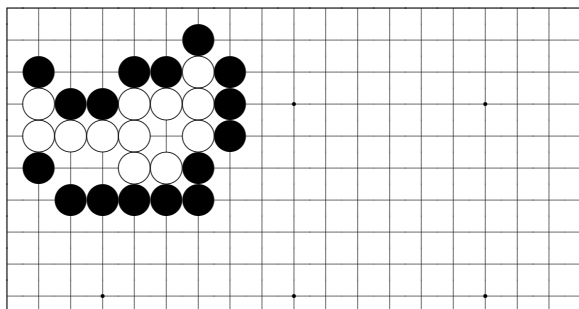
*Problem 213*



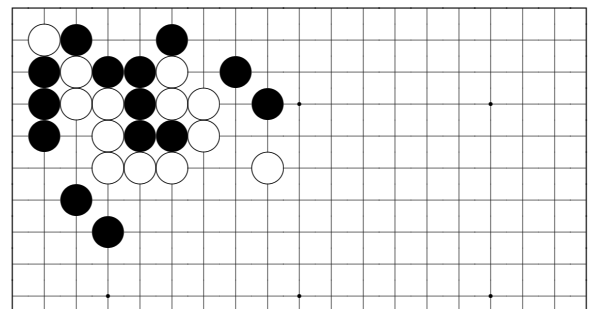
*Problem 210*



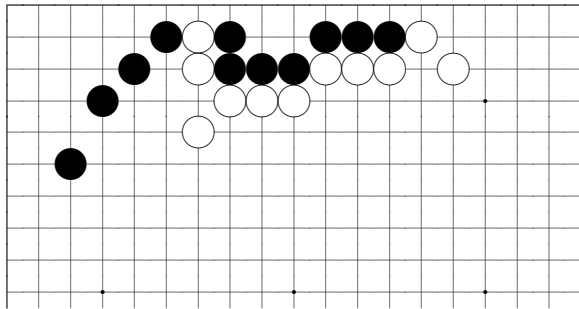
*Problem 214*



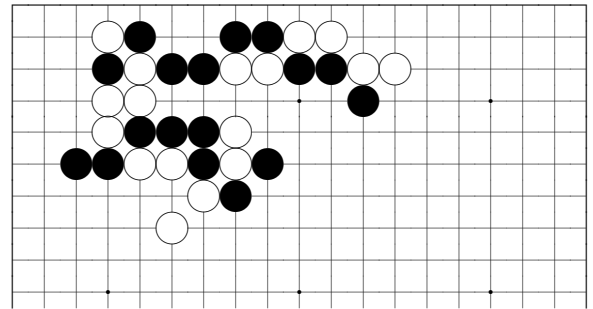
*Problem 211*



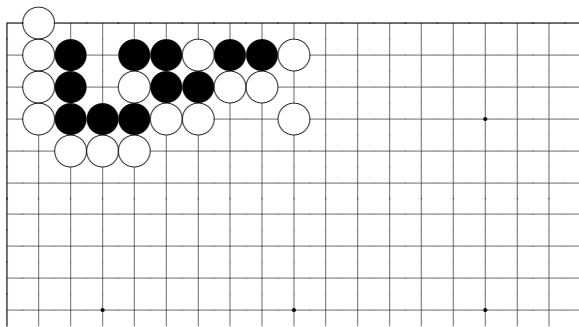
*Problem 215*



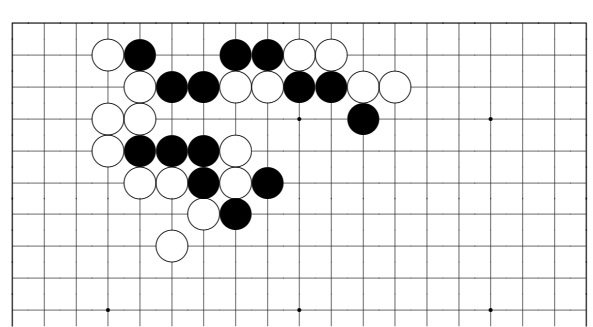
*Problem 216*



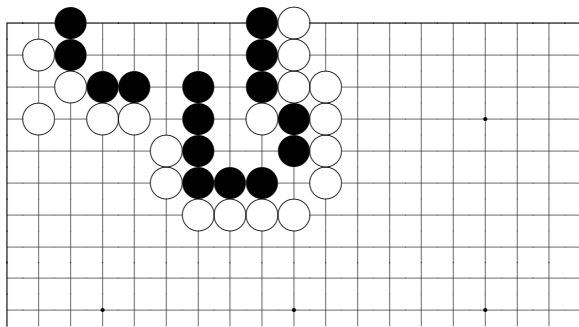
*Problem 220*



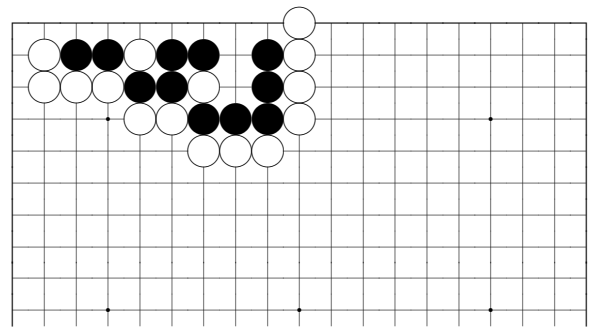
*Problem 217*



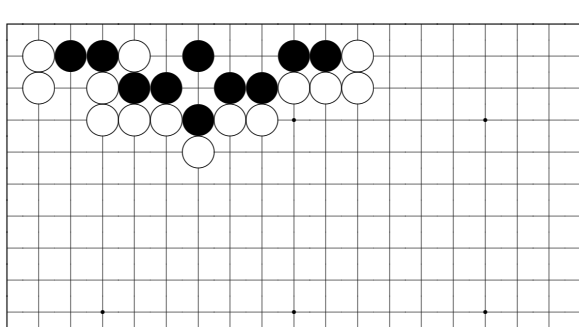
*Problem 221*



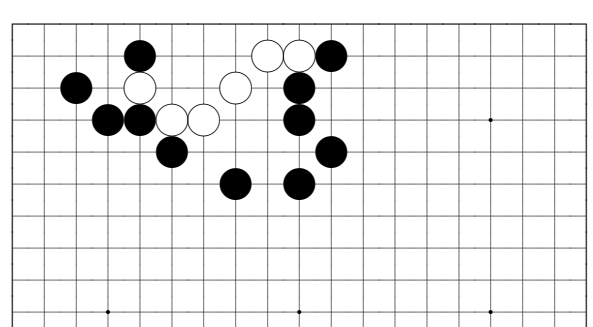
*Problem 218*



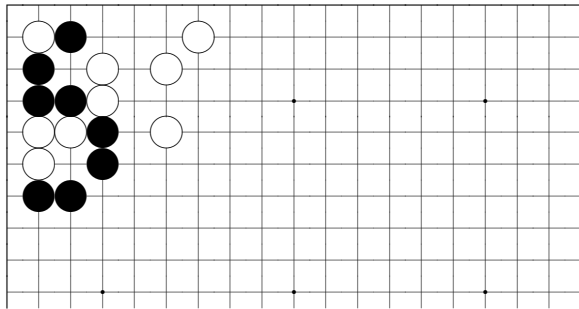
*Problem 222*



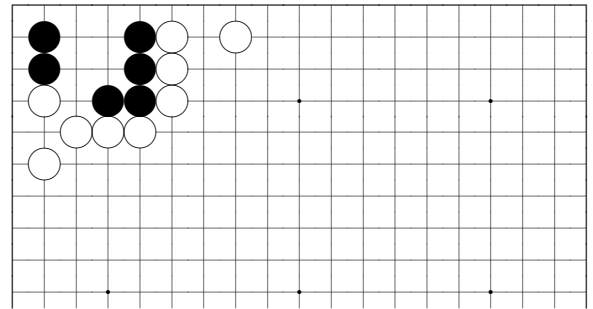
*Problem 219*



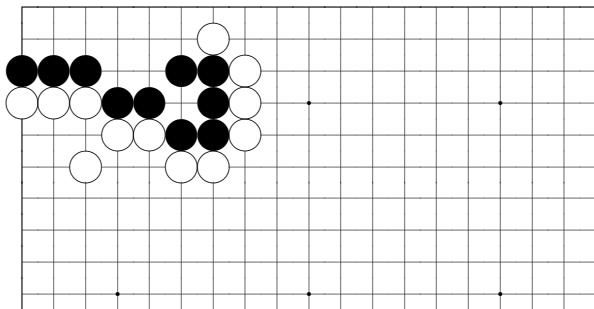
*Problem 223*



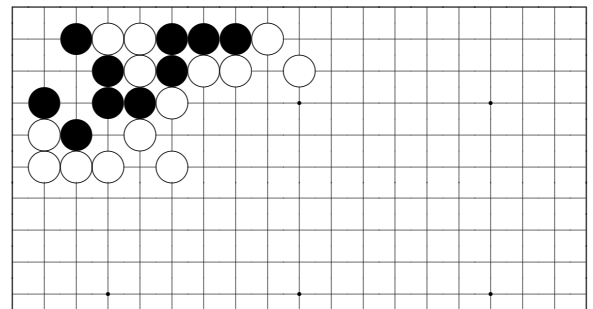
*Problem 224*



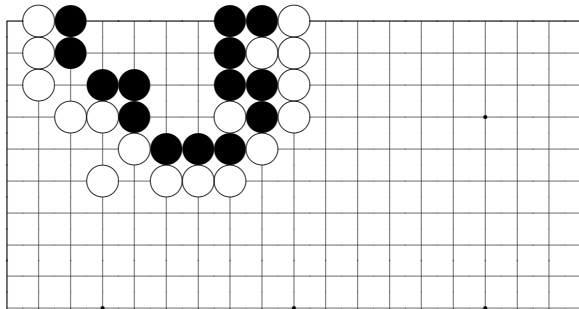
*Problem 228*



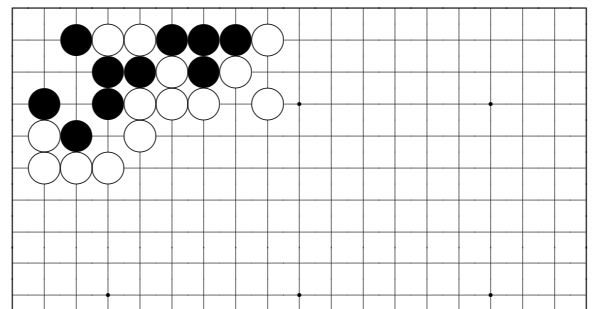
*Problem 225*



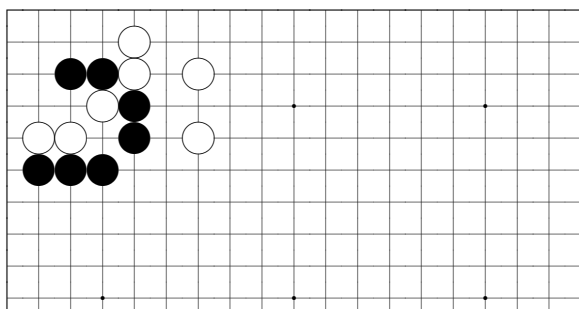
*Problem 229*



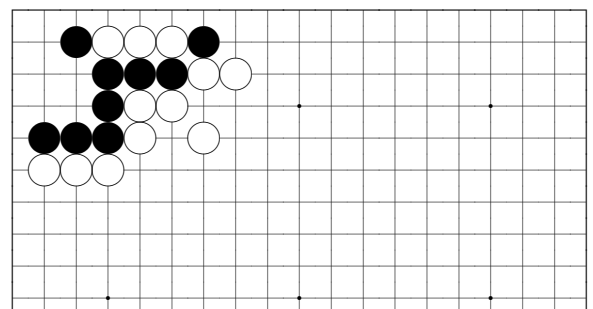
*Problem 226*



*Problem 230*



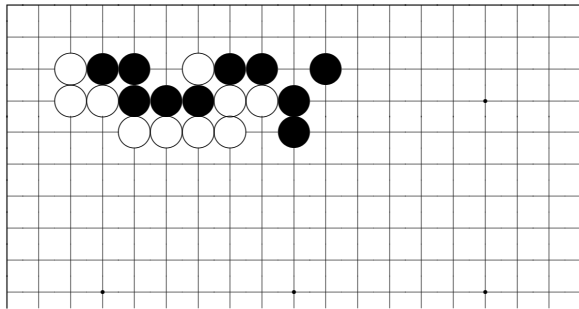
*Problem 227*



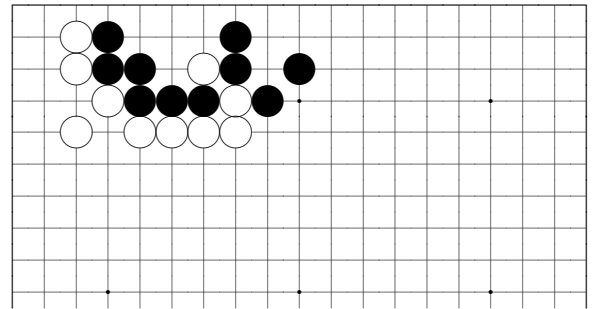
*Problem 231*



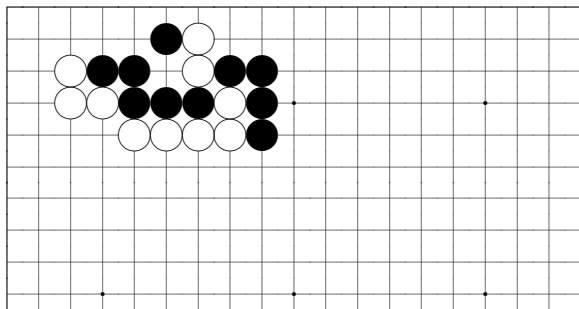




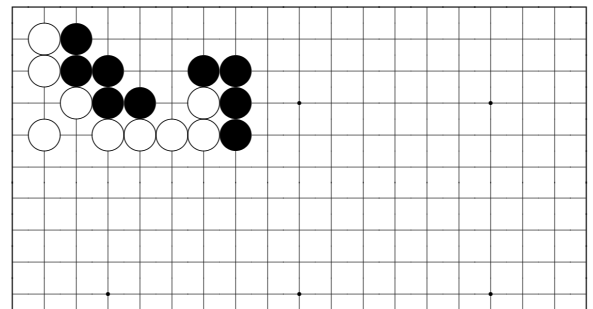
*Problem 240*



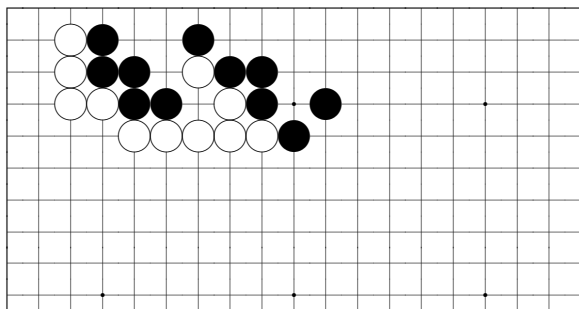
*Problem 244*



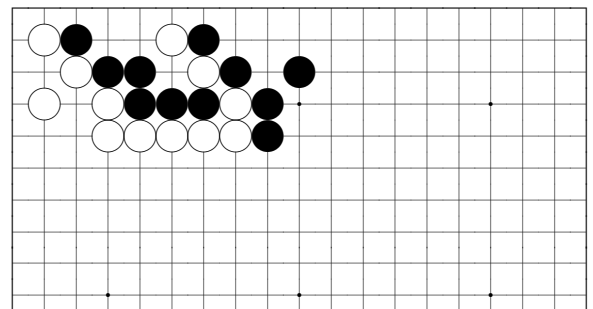
*Problem 241*



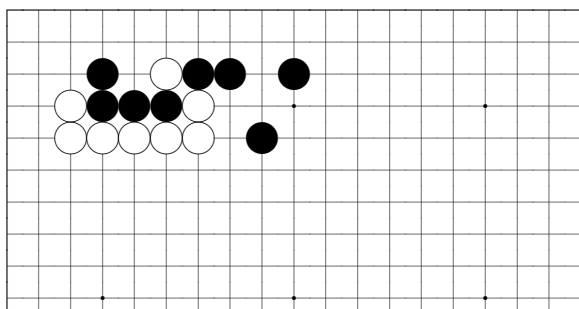
*Problem 245*



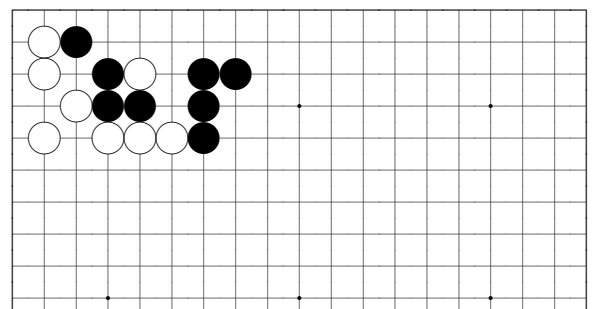
*Problem 242*



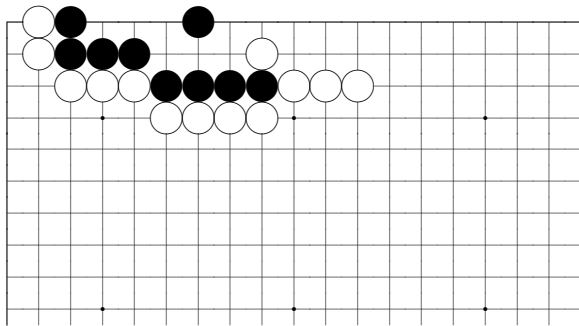
*Problem 246*



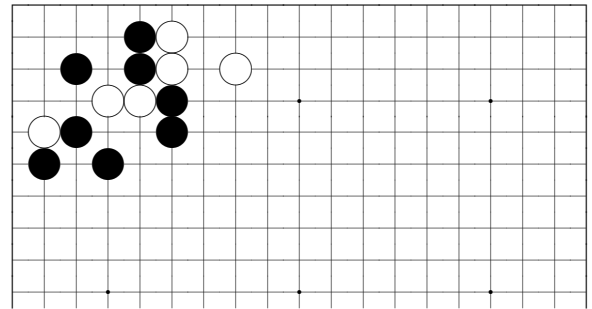
*Problem 243*



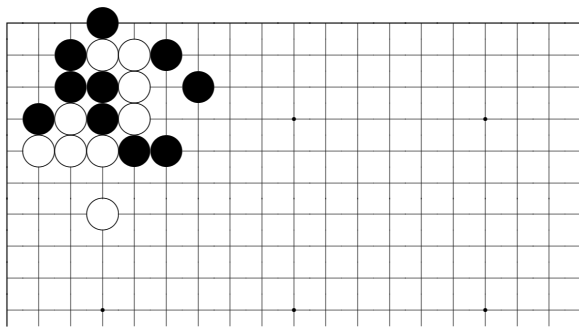
*Problem 247*



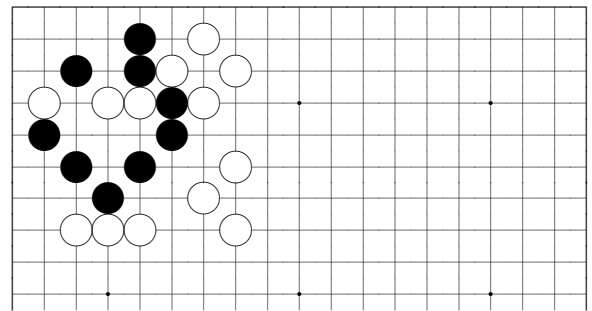
*Problem 248*



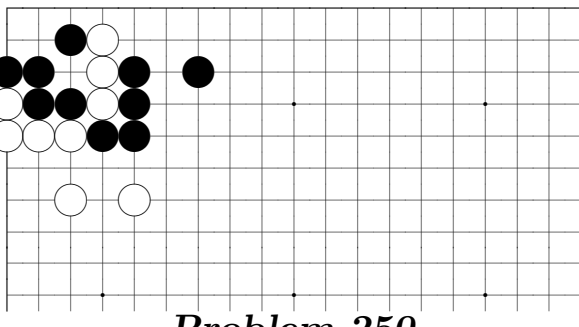
*Problem 252*



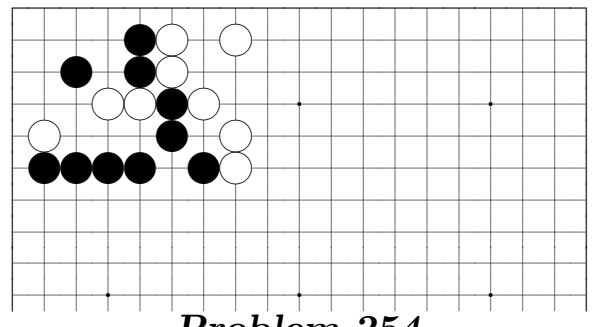
*Problem 249*



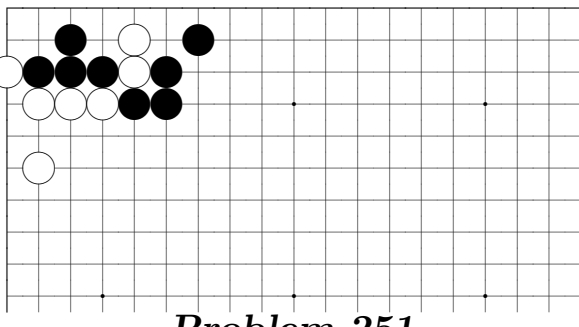
*Problem 253*



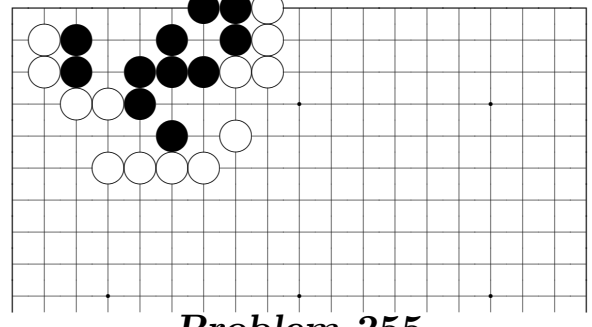
*Problem 250*



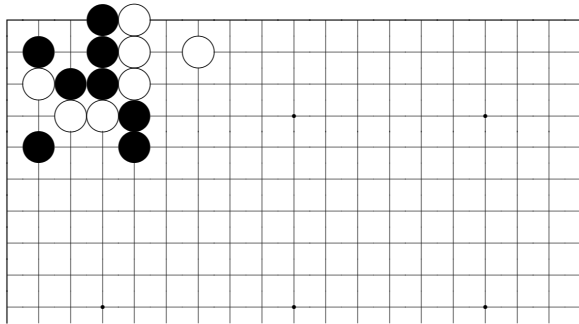
*Problem 254*



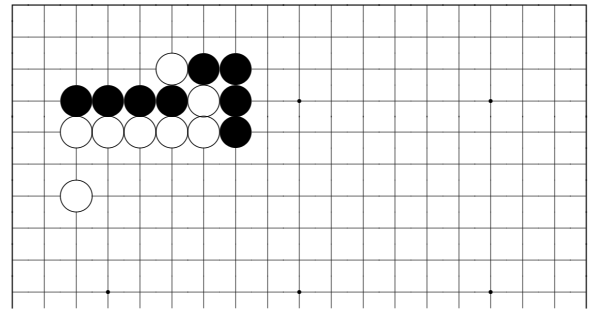
*Problem 251*



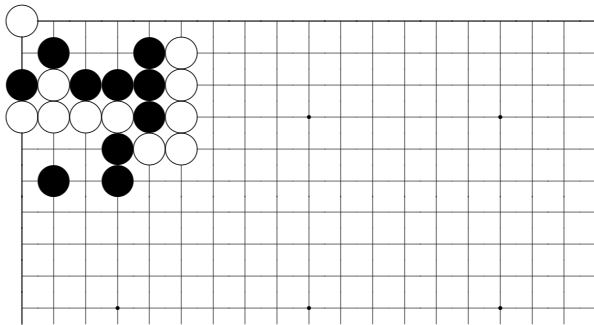
*Problem 255*



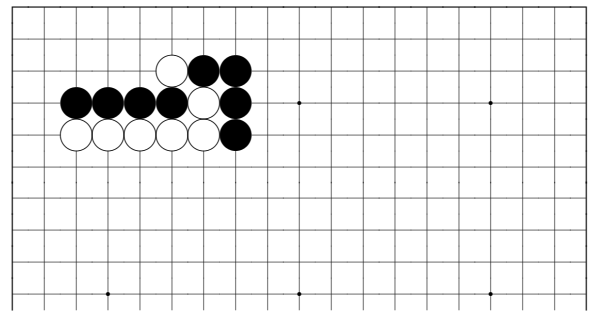
*Problem 256*



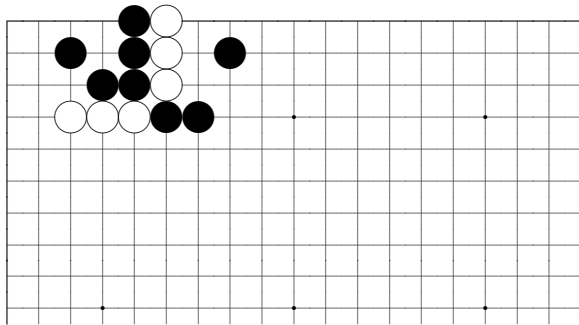
*Problem 260*



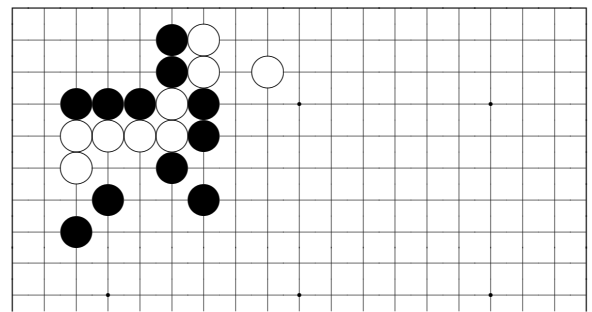
*Problem 257*



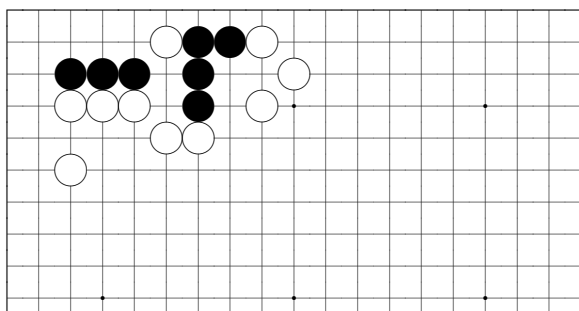
*Problem 261*



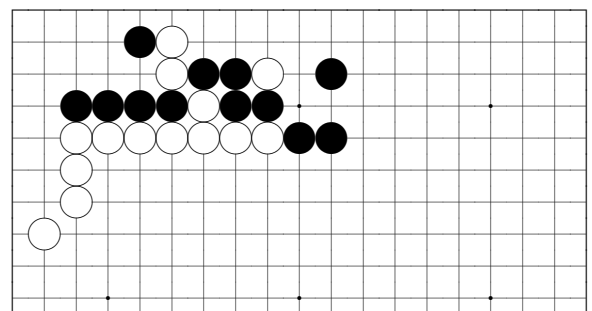
*Problem 258*



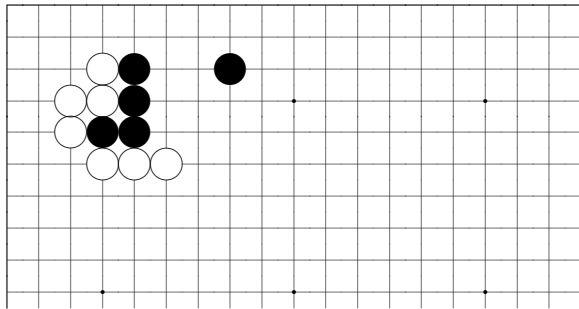
*Problem 262*



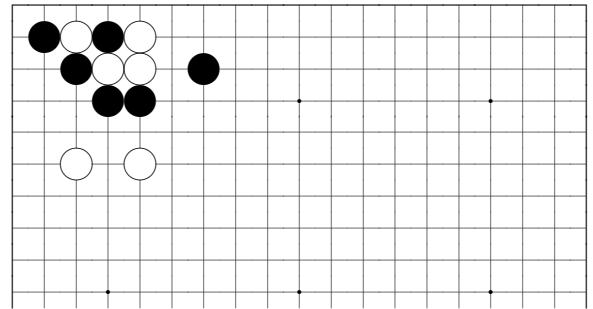
*Problem 259*



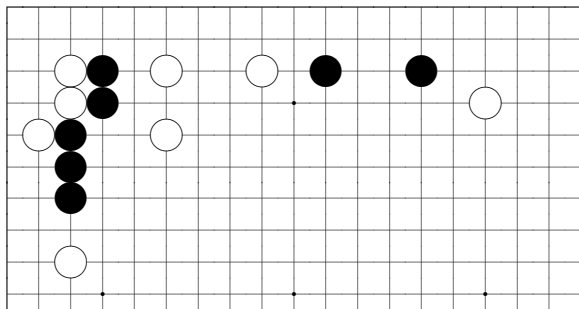
*Problem 263*



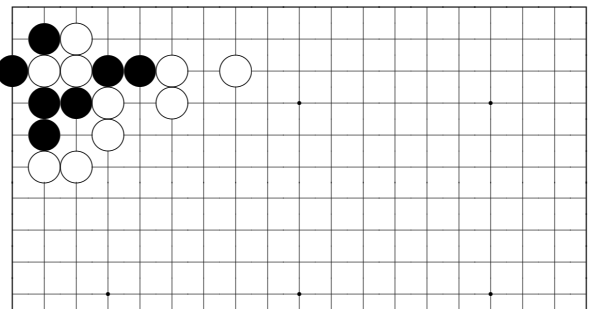
*Problem 264*



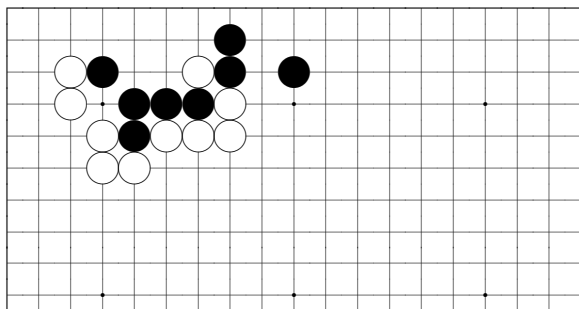
*Problem 268*



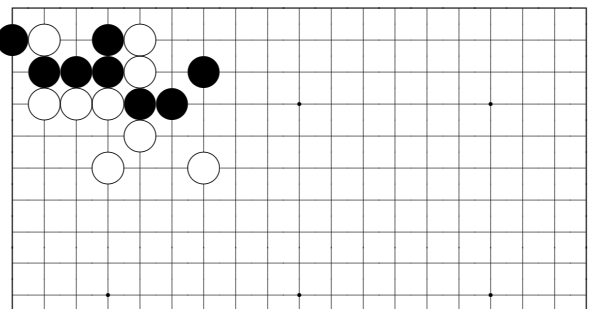
*Problem 265*



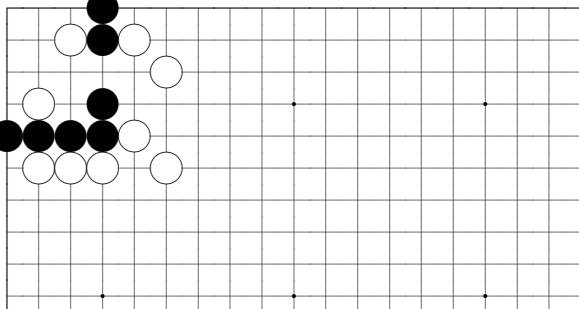
*Problem 269*



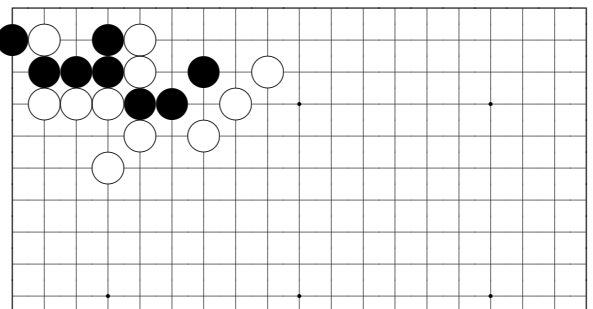
*Problem 266*



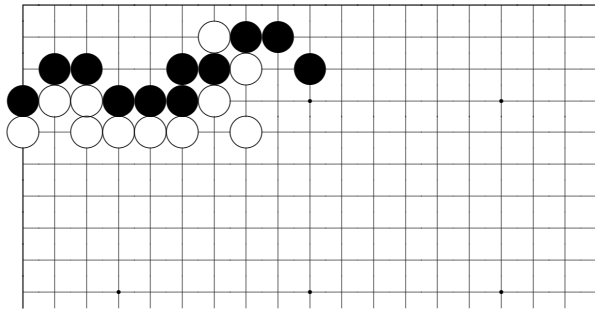
*Problem 270*



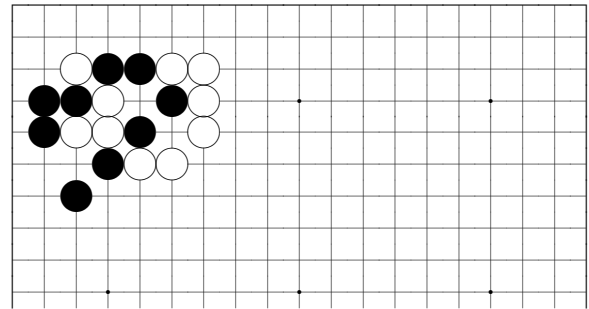
*Problem 267*



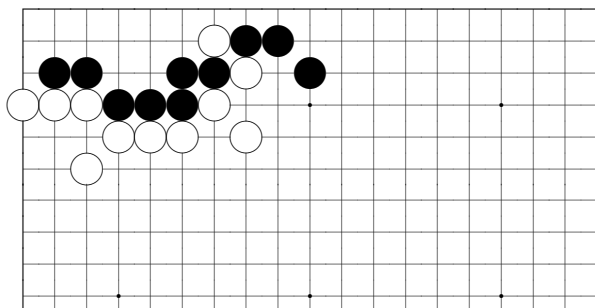
*Problem 271*



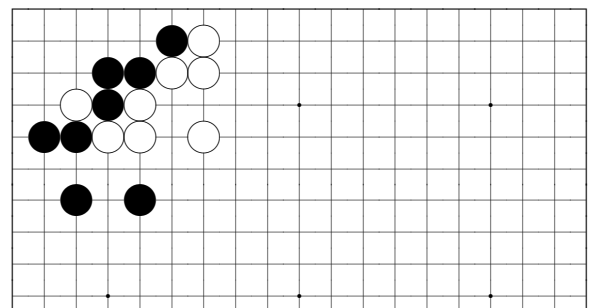
*Problem 272*



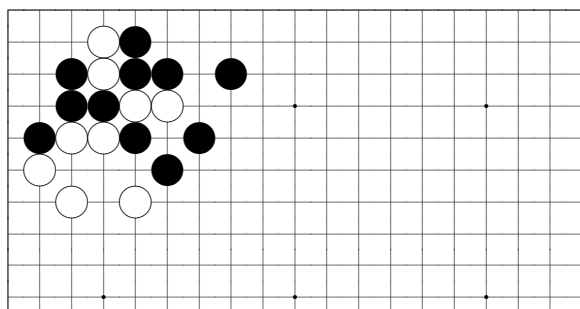
*Problem 276*



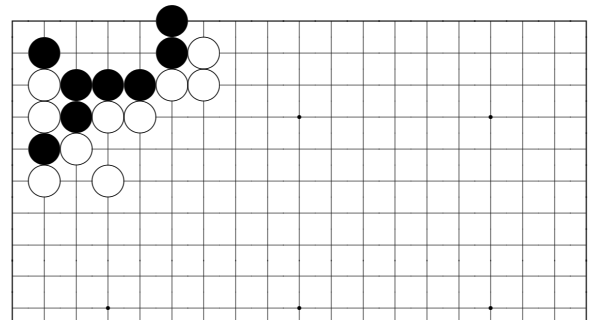
*Problem 273*



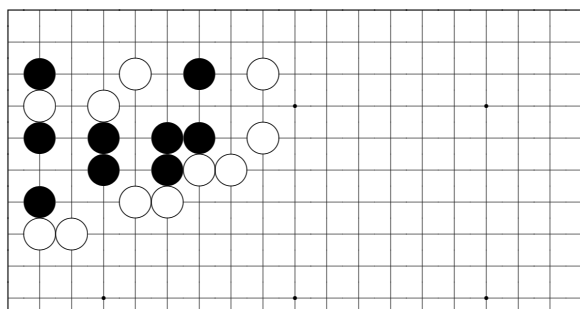
*Problem 277*



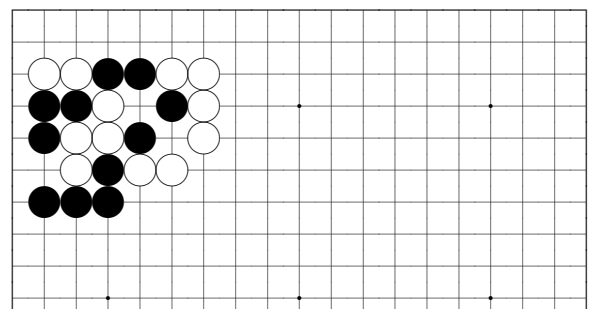
*Problem 274*



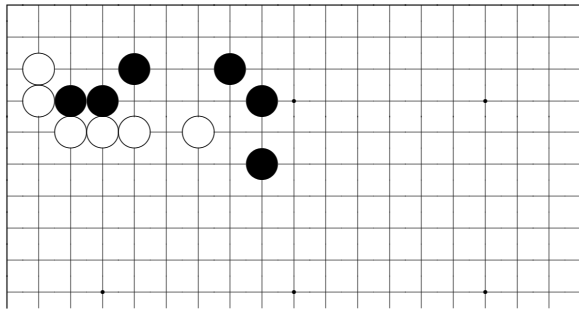
*Problem 278*



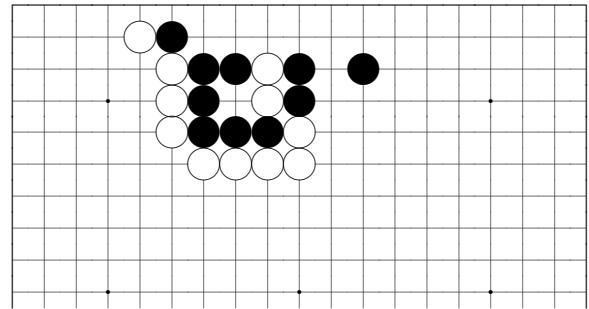
*Problem 275*



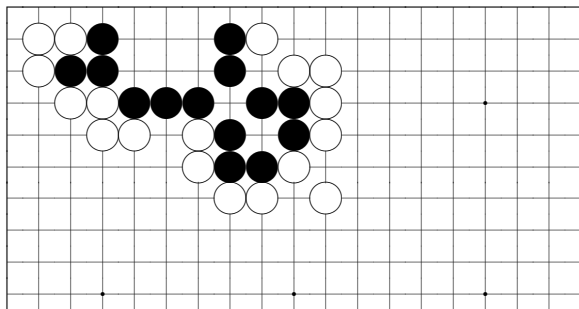
*Problem 279*



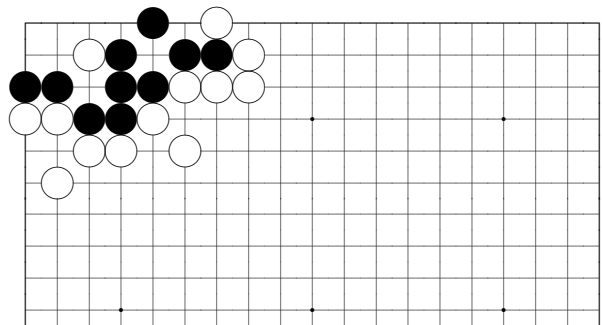
*Problem 280*



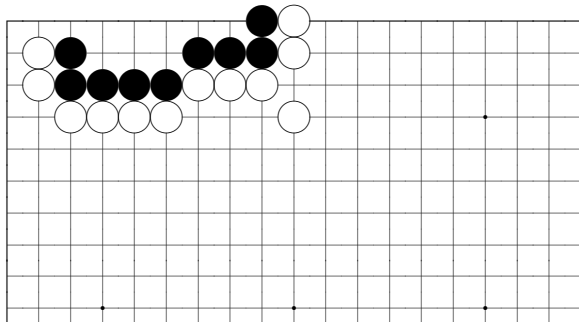
*Problem 284*



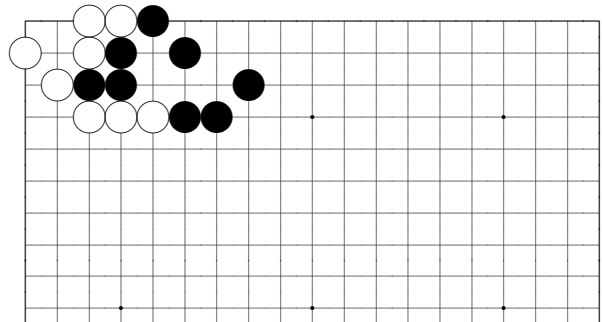
*Problem 281*



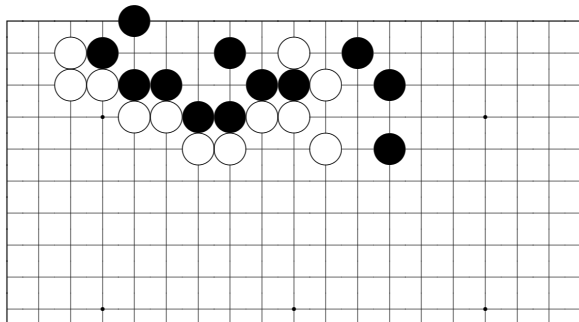
*Problem 285*



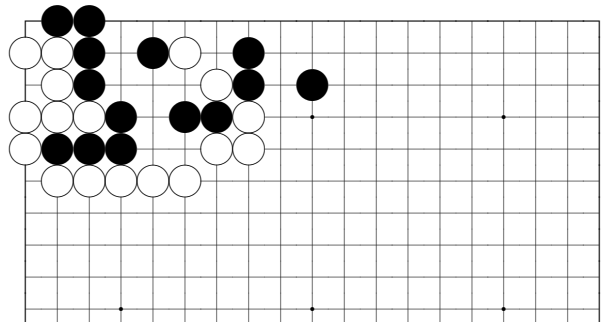
*Problem 282*



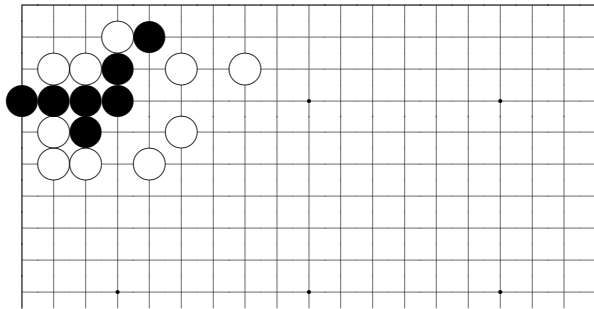
*Problem 286*



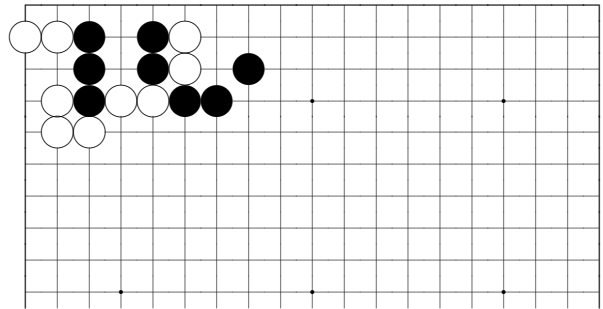
*Problem 283*



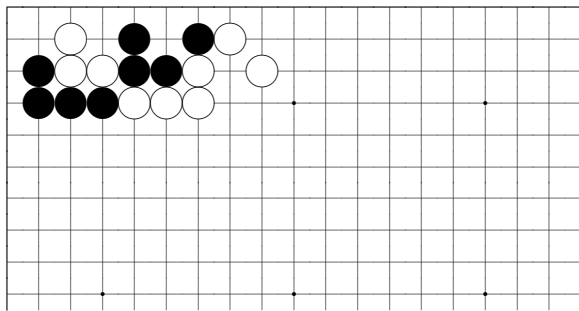
*Problem 287*



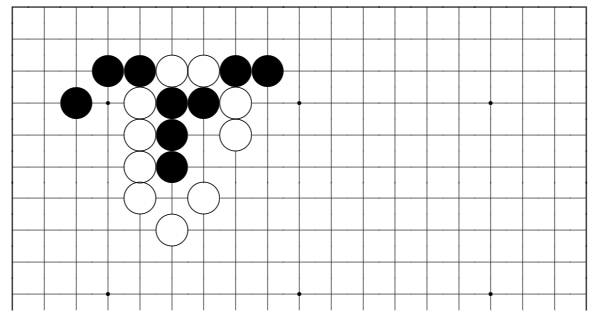
*Problem 288*



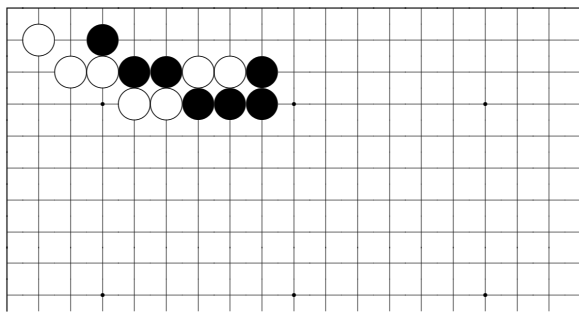
*Problem 292*



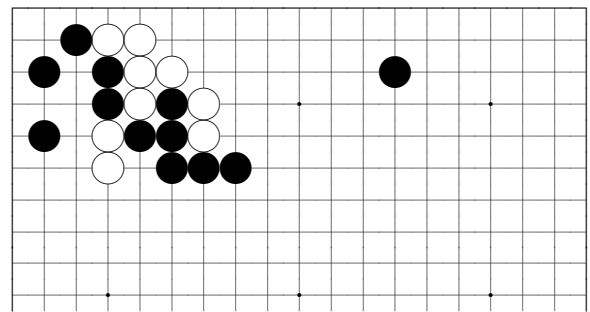
*Problem 289*



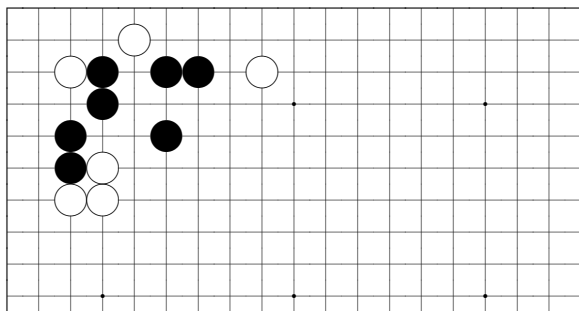
*Problem 293*



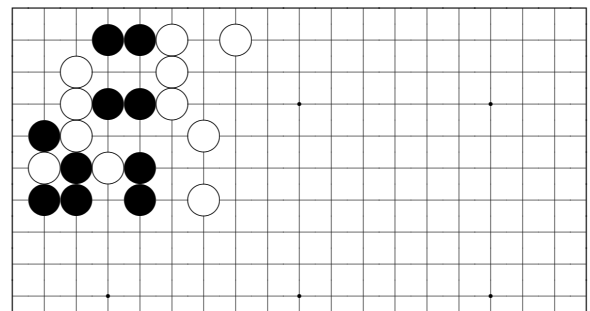
*Problem 290*



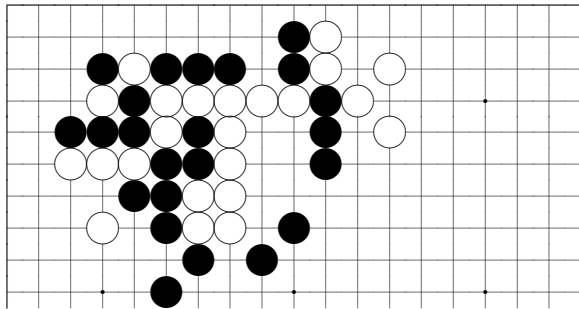
*Problem 294*



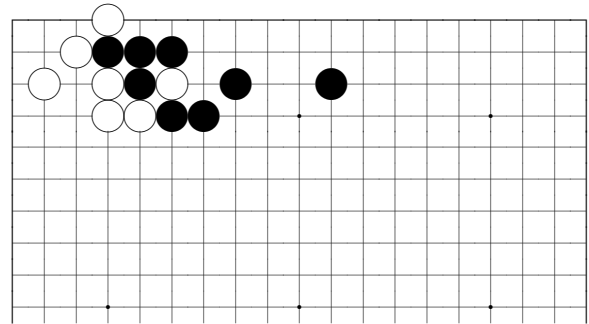
*Problem 291*



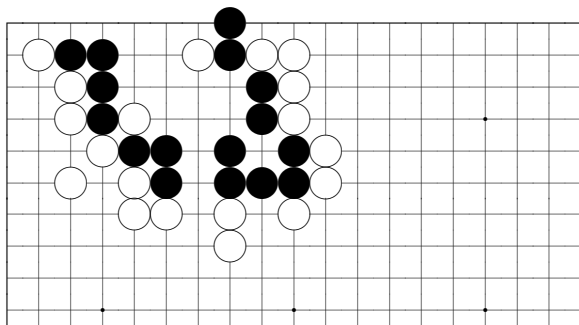
*Problem 295*



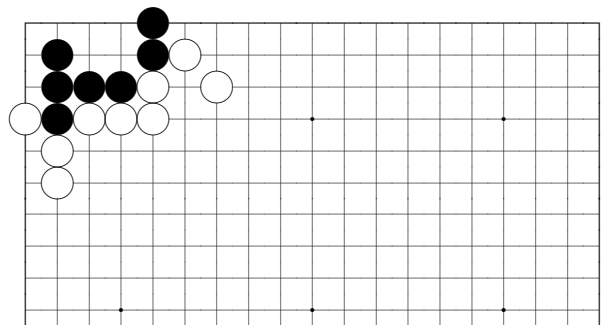
*Problem 296*



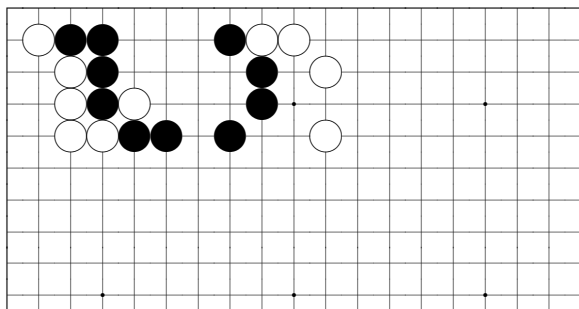
*Problem 300*



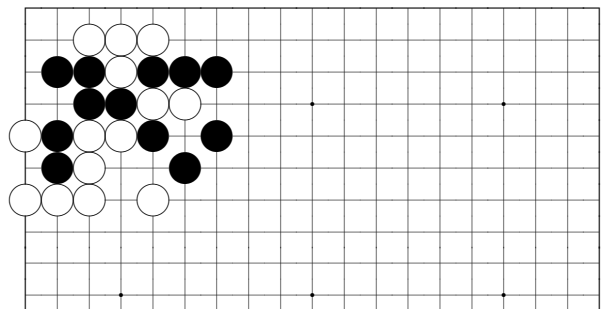
*Problem 297*



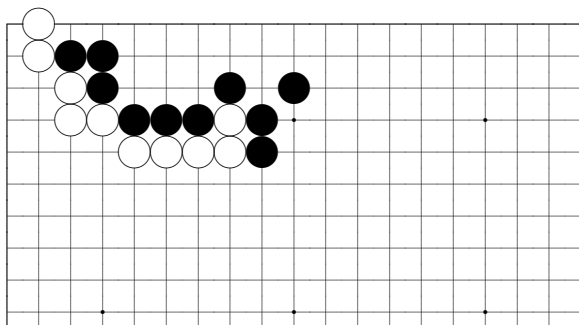
*Problem 301*



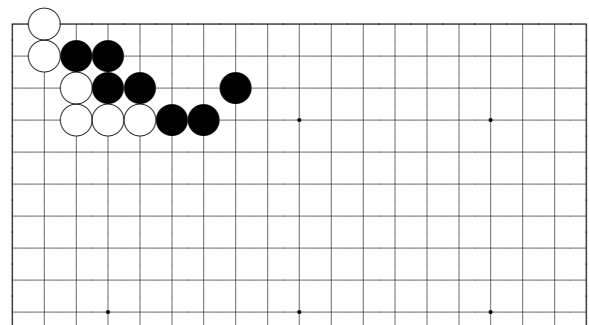
*Problem 298*



*Problem 302*

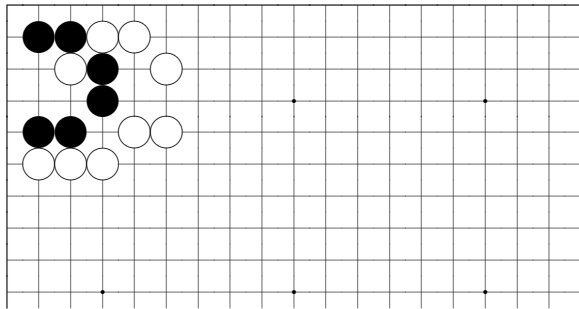


*Problem 299*

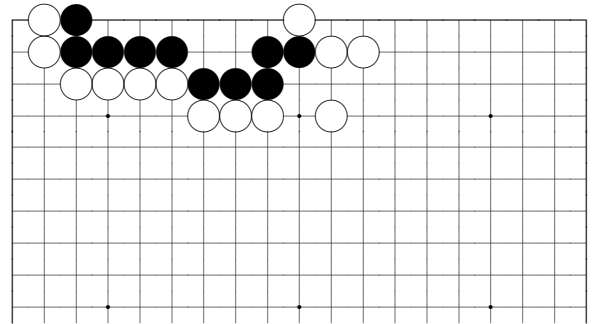


*Problem 303*

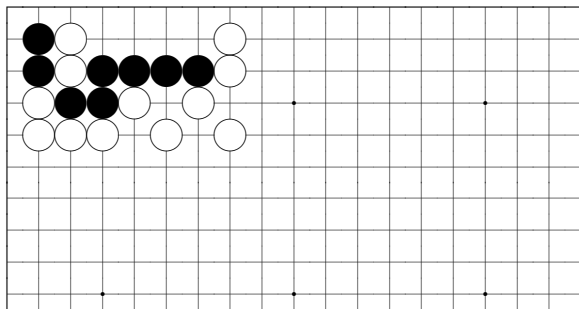




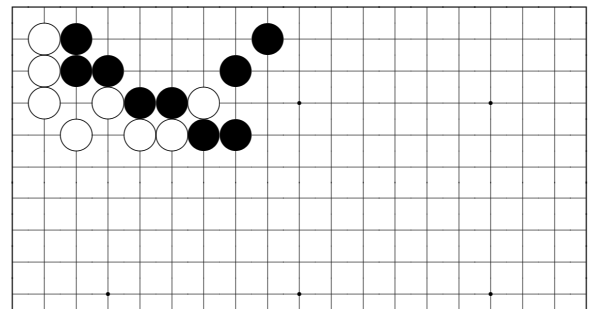
*Problem 304*



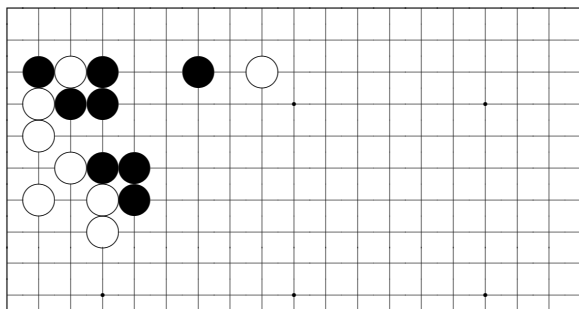
*Problem 308*



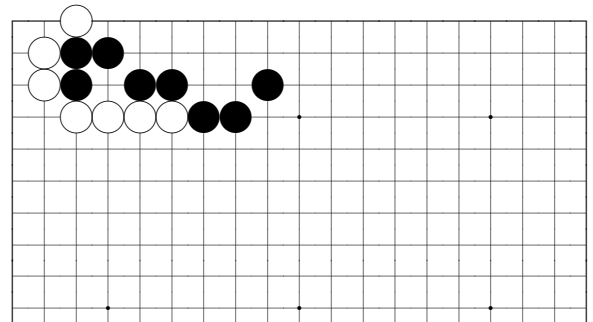
*Problem 305*



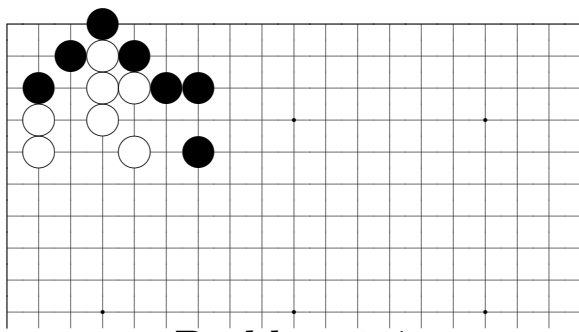
*Problem 309*



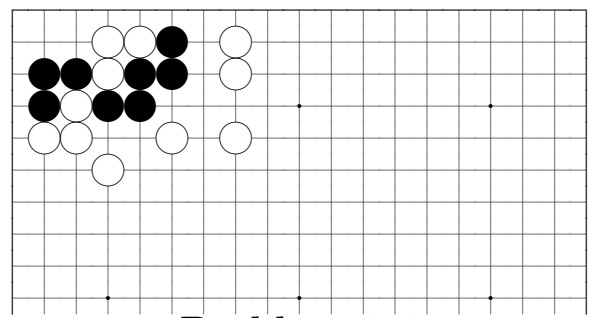
*Problem 306*



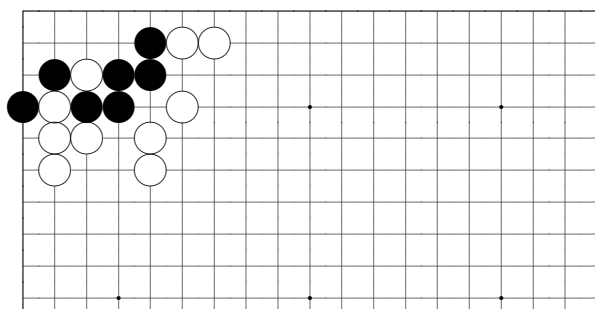
*Problem 310*



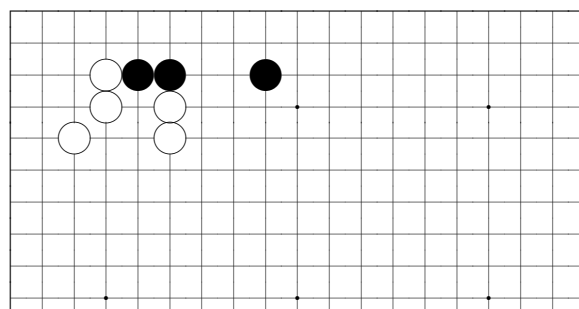
*Problem 307*



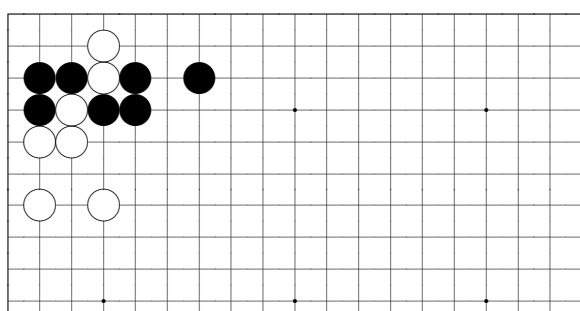
*Problem 311*



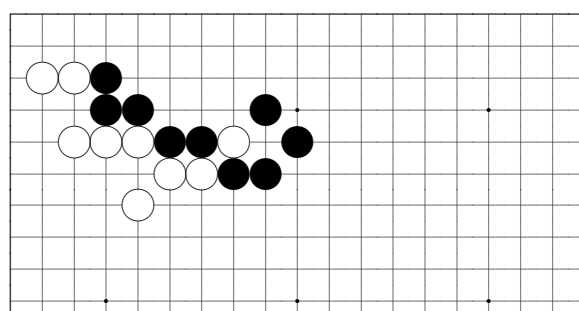
*Problem 312*



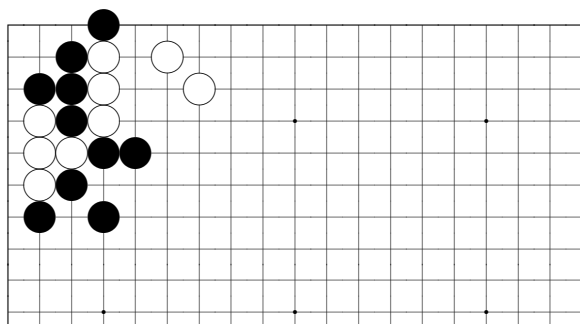
*Problem 316*



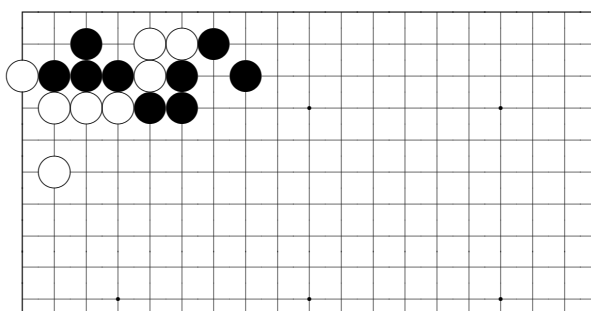
*Problem 313*



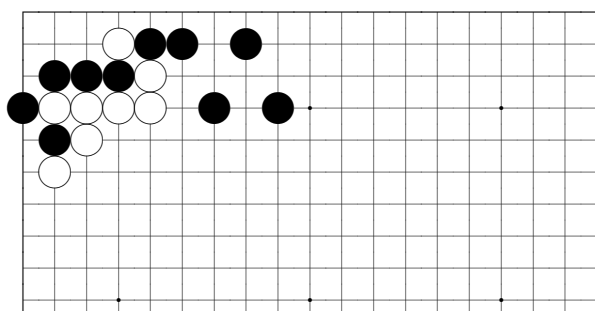
*Problem 317*



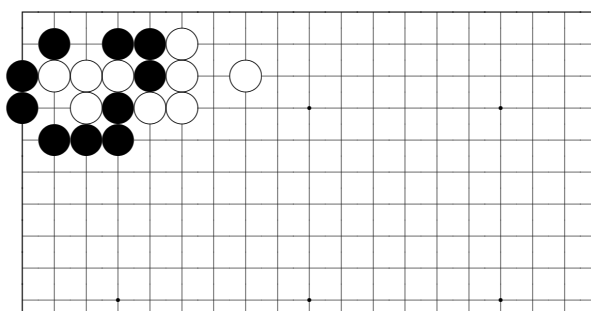
*Problem 314*



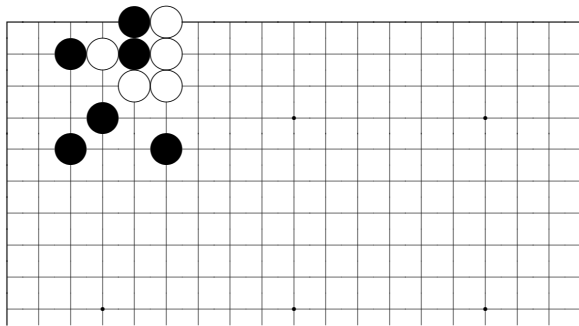
*Problem 318*



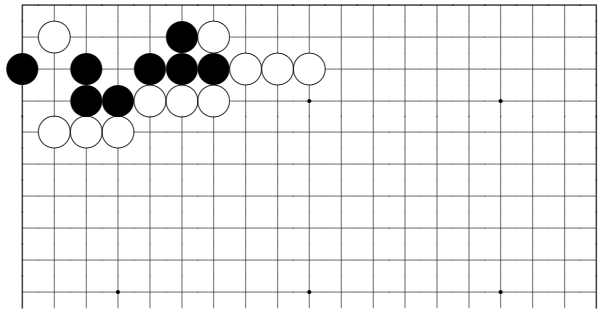
*Problem 315*



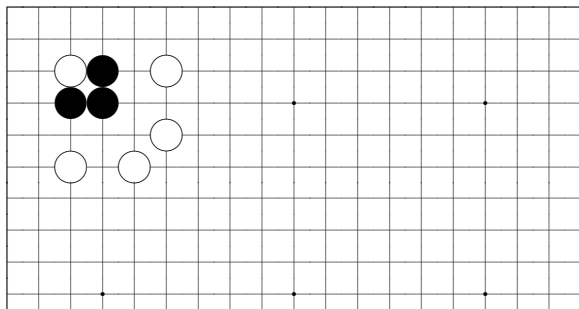
*Problem 319*



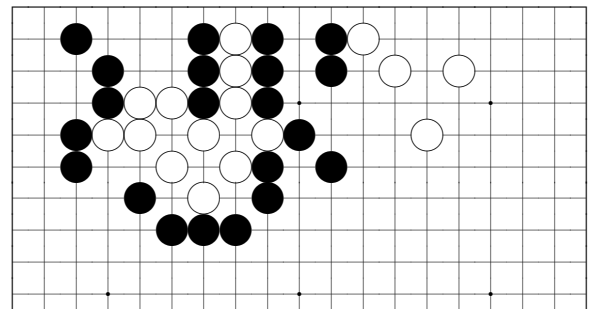
*Problem 320*



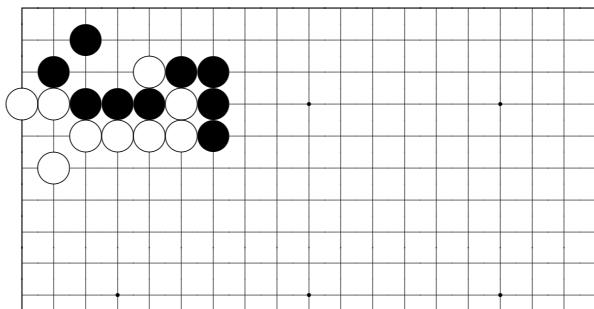
*Problem 324*



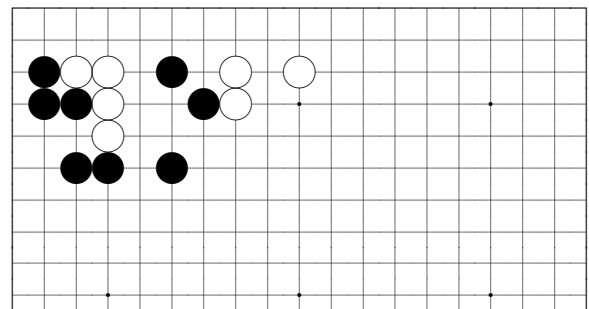
*Problem 321*



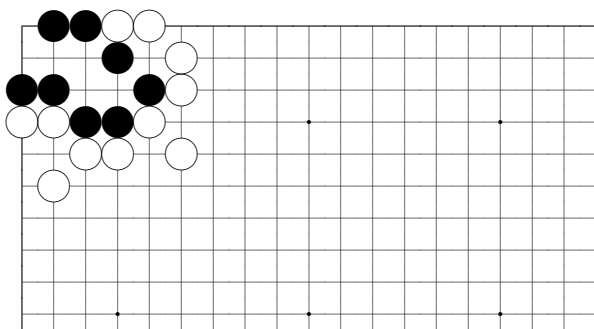
*Problem 325*



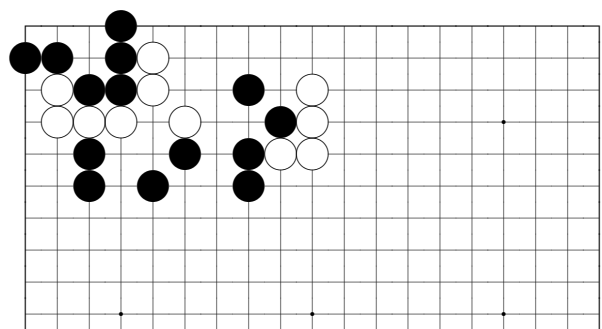
*Problem 322*



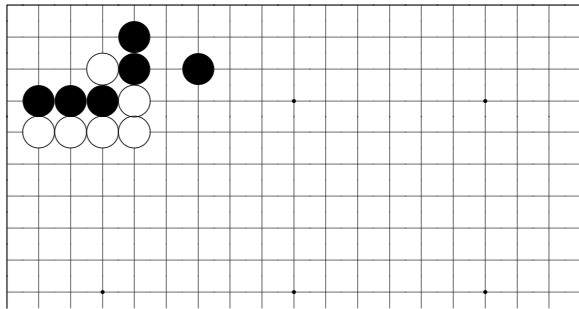
*Problem 326*



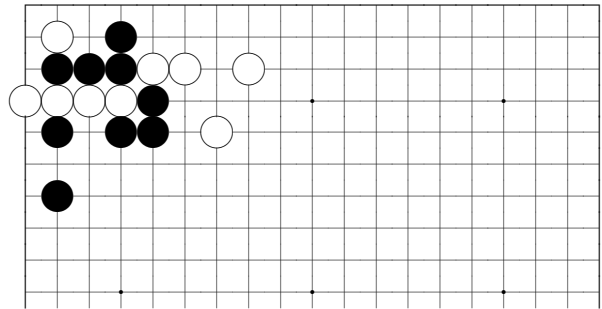
*Problem 323*



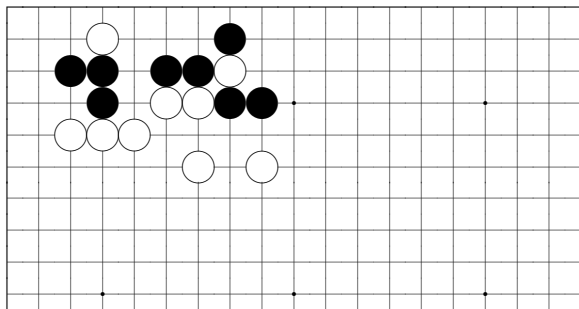
*Problem 327*



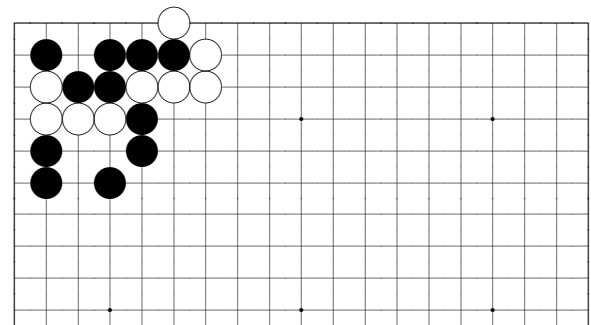
*Problem 328*



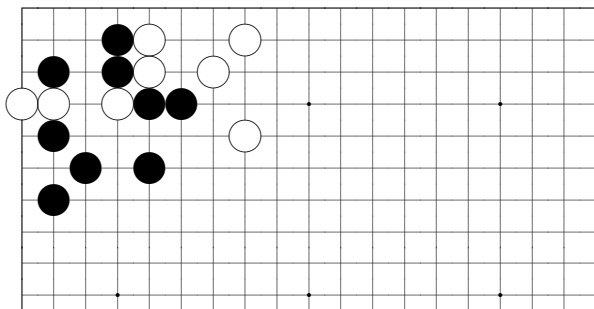
*Problem 332*



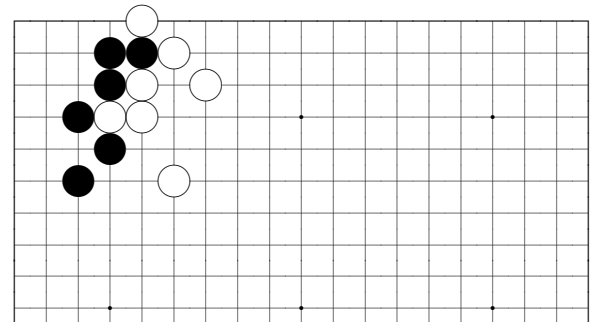
*Problem 329*



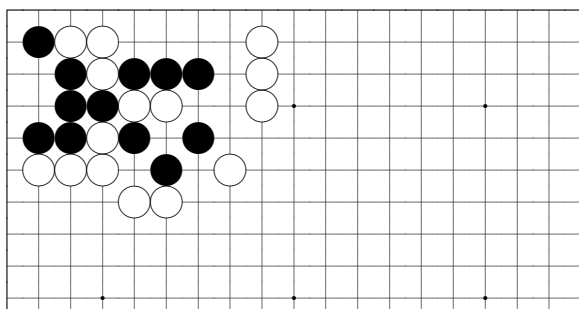
*Problem 333*



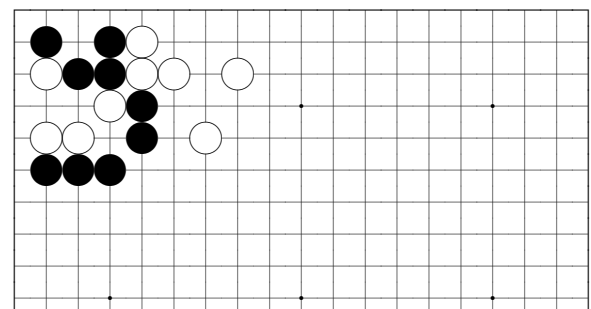
*Problem 330*



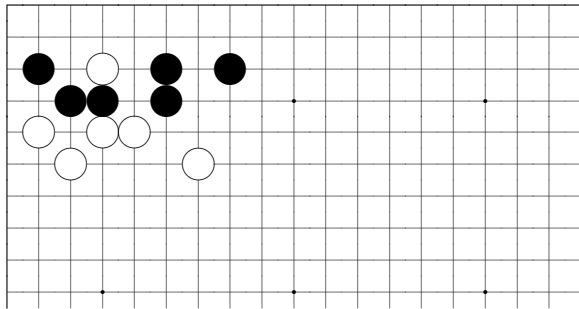
*Problem 334*



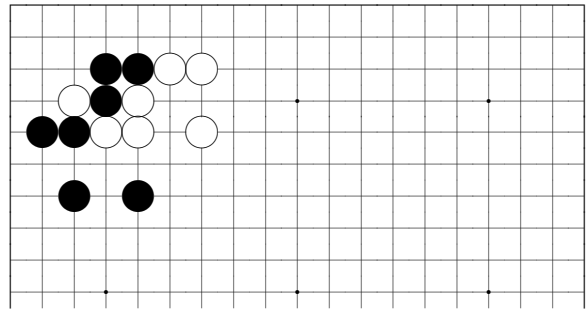
*Problem 331*



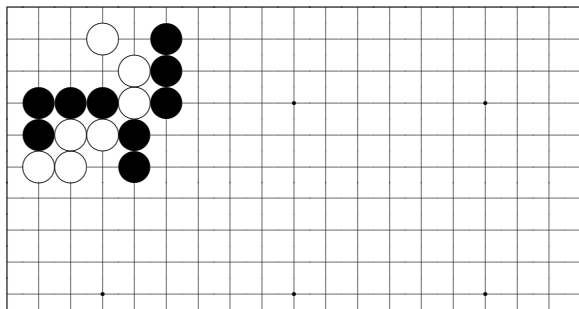
*Problem 335*



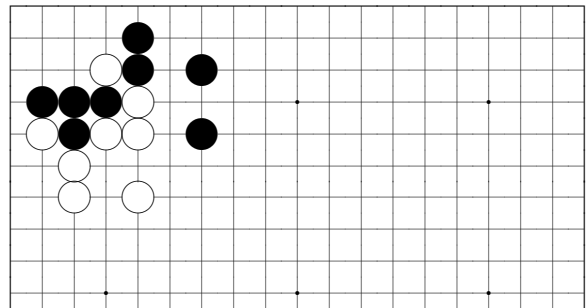
*Problem 336*



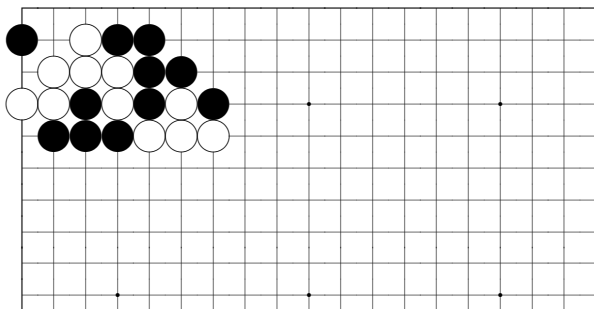
*Problem 340*



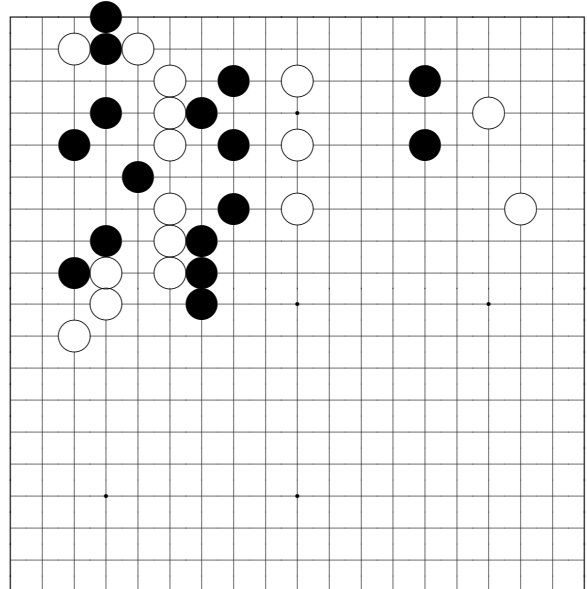
*Problem 337*



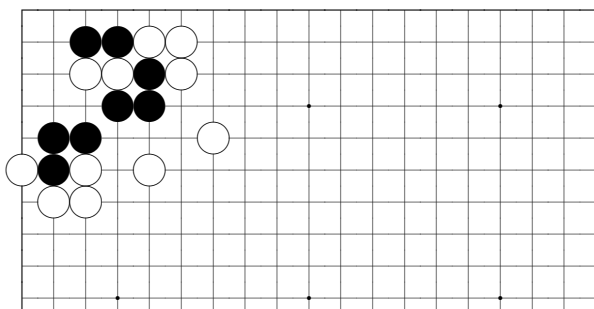
*Problem 341*



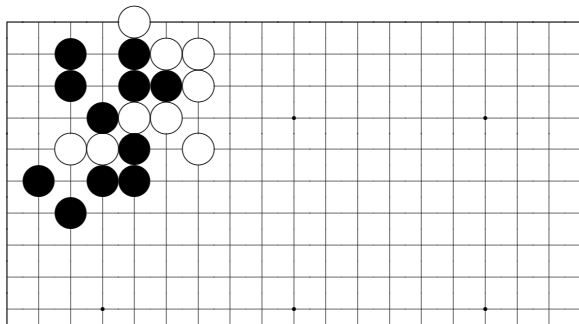
*Problem 338*



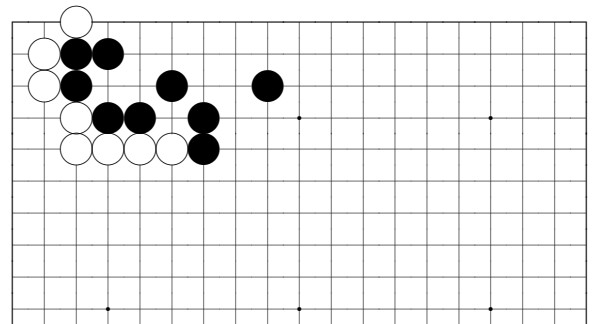
*Problem 342*



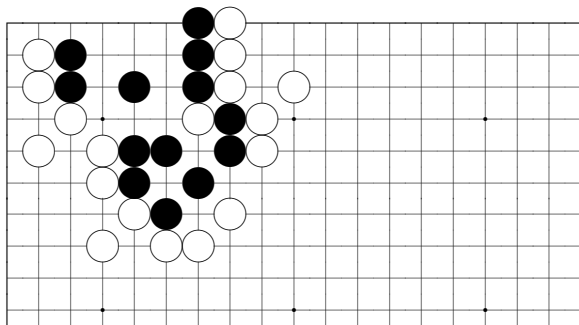
*Problem 339*



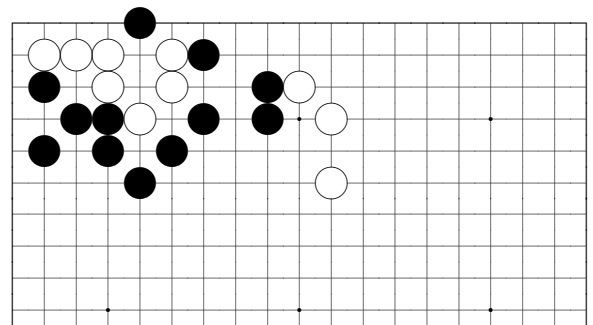
*Problem 343*



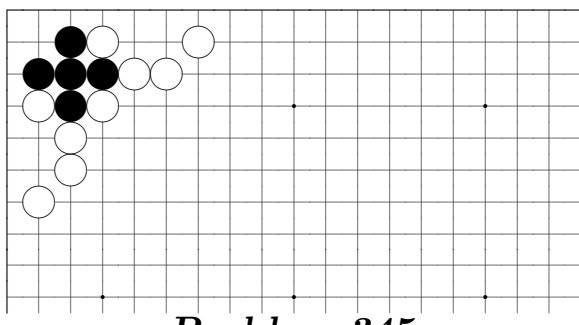
*Problem 347*



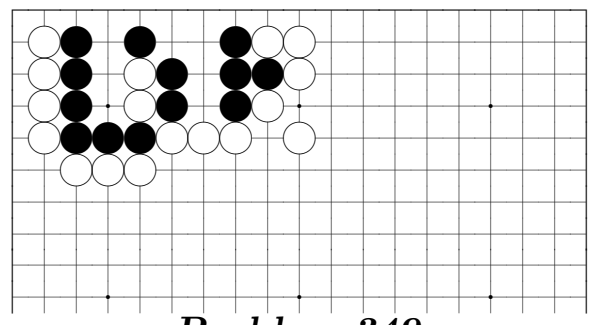
*Problem 344*



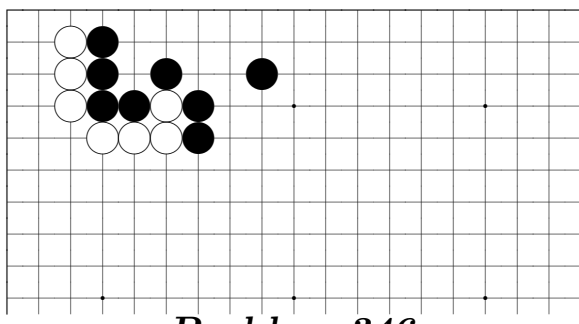
*Problem 348*



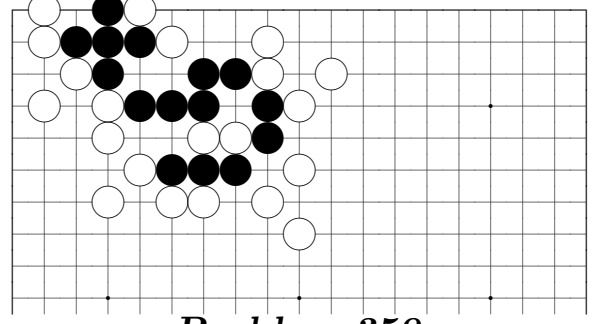
*Problem 345*



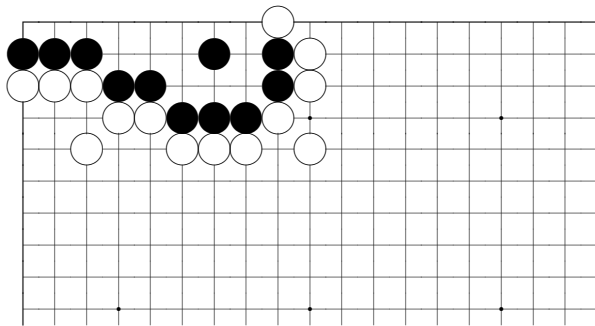
*Problem 349*



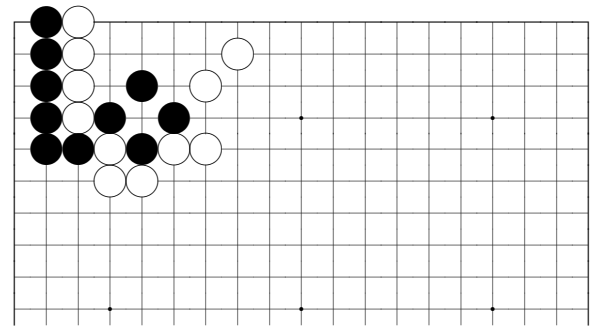
*Problem 346*



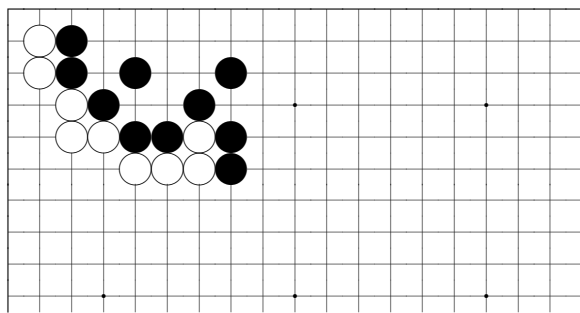
*Problem 350*



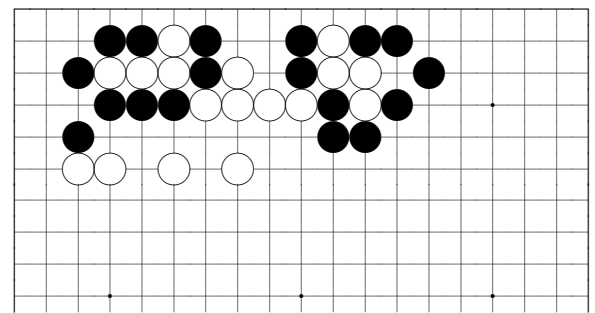
*Problem 351*



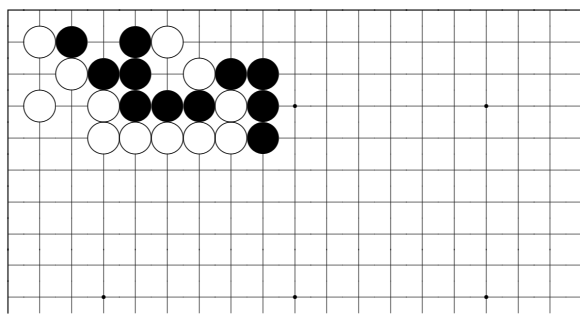
*Problem 355*



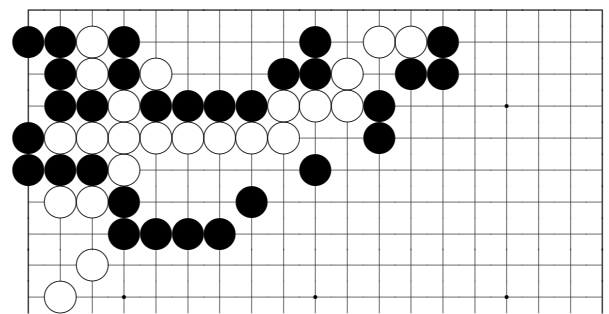
*Problem 352*



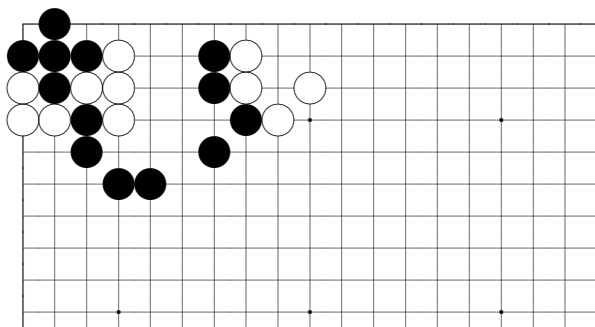
*Problem 356*



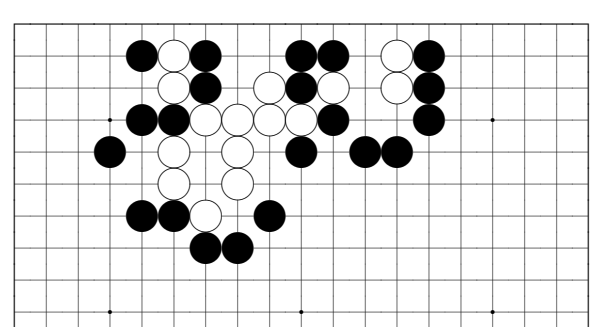
*Problem 353*



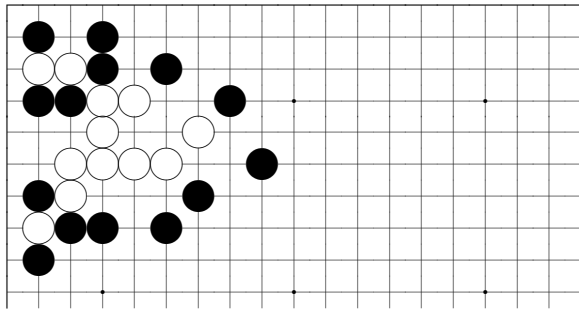
*Problem 357*



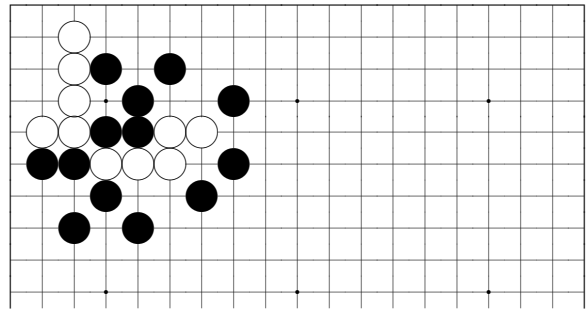
*Problem 354*



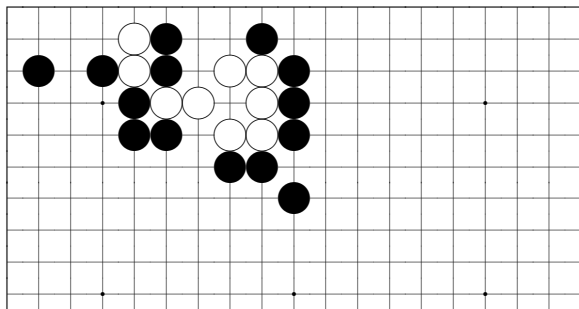
*Problem 358*



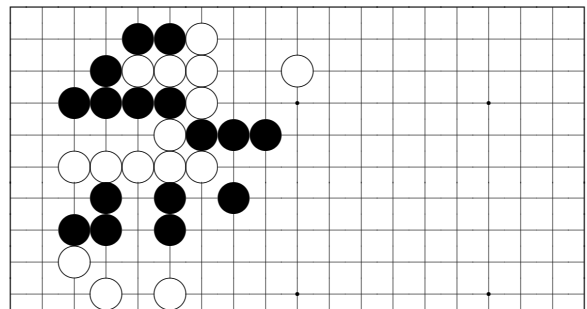
*Problem 359*



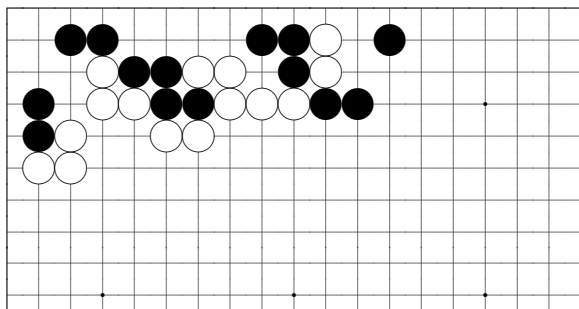
*Problem 363*



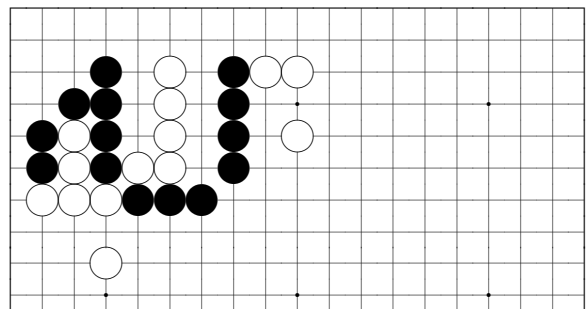
*Problem 360*



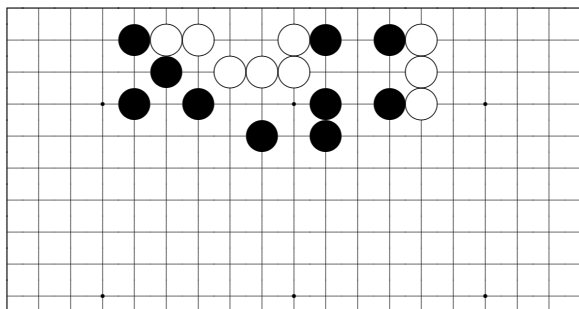
*Problem 364*



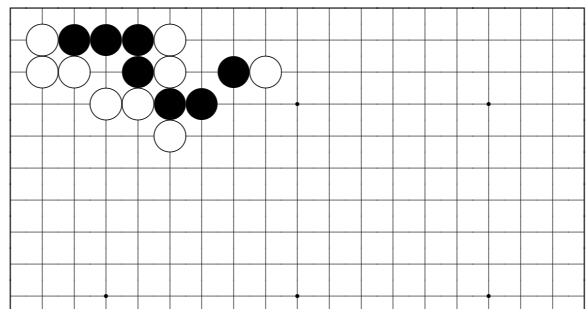
*Problem 361*



*Problem 365*

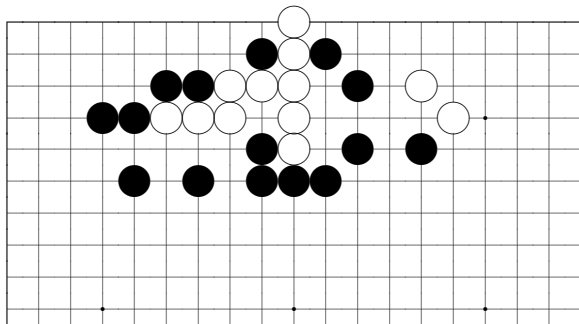


*Problem 362*

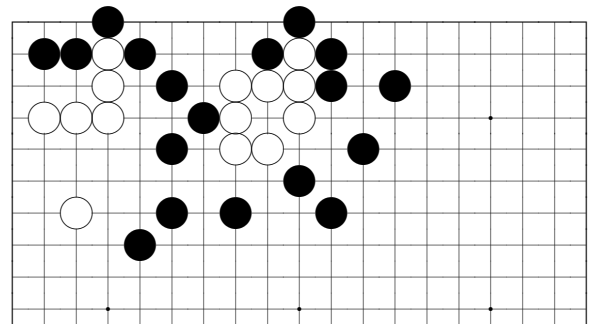


*Problem 366*

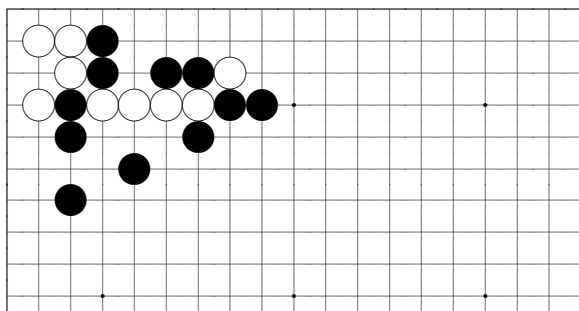




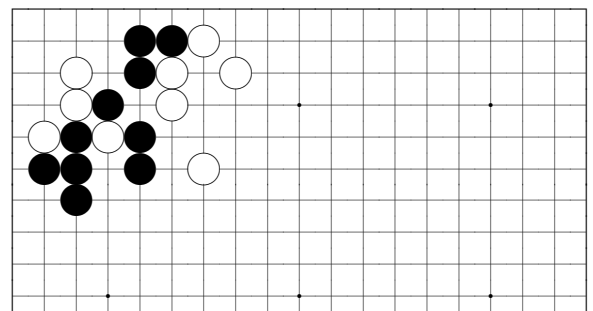
*Problem 367*



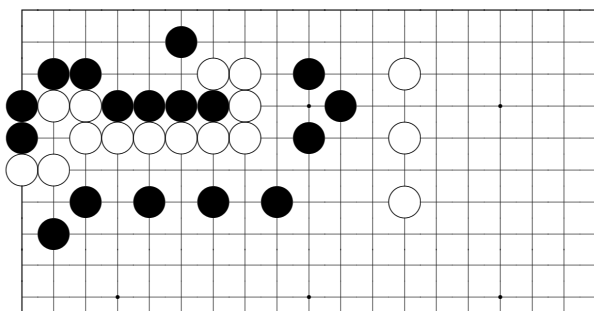
*Problem 371*



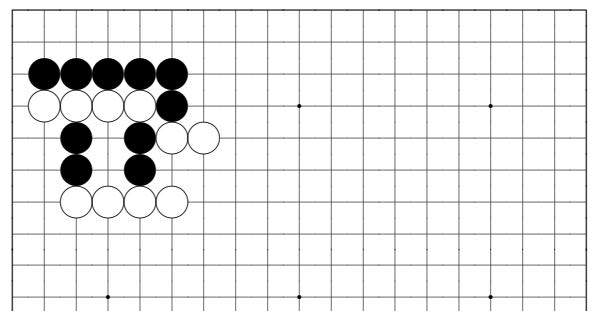
*Problem 368*



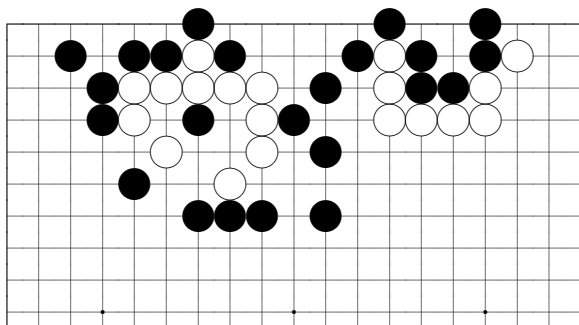
*Problem 372*



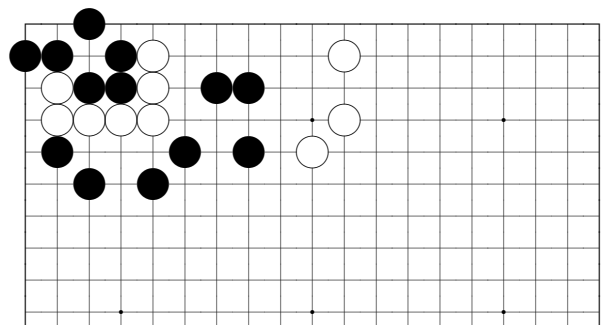
*Problem 369*



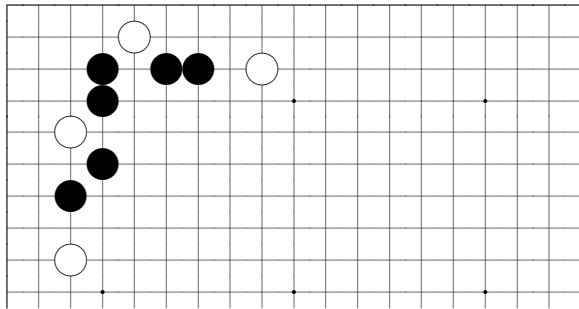
*Problem 373*



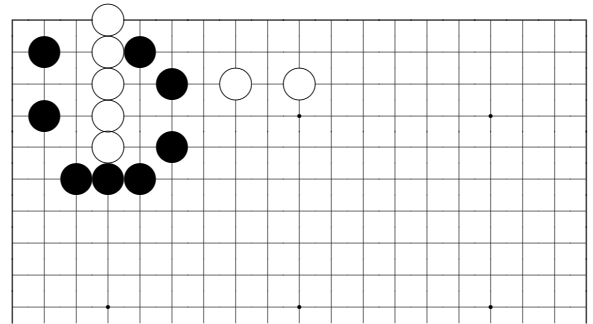
*Problem 370*



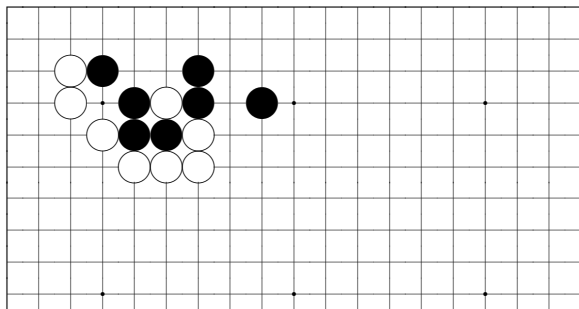
*Problem 374*



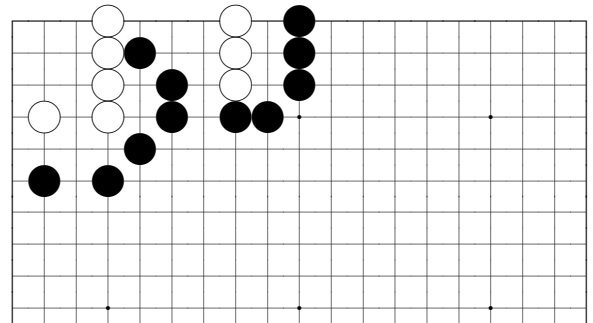
*Problem 375*



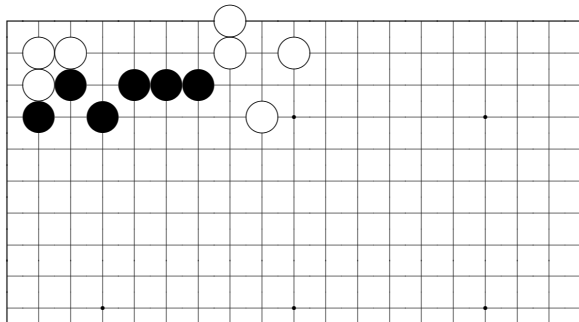
*Problem 379*



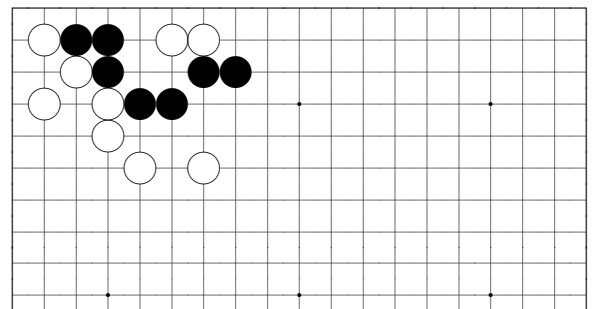
*Problem 376*



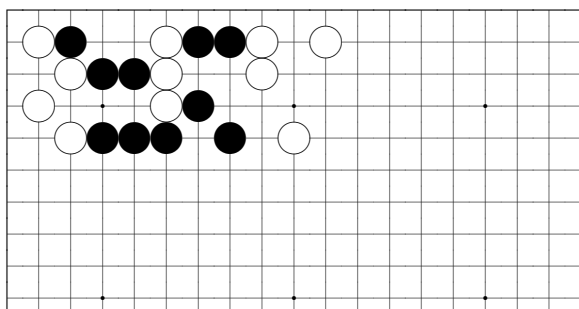
*Problem 380*



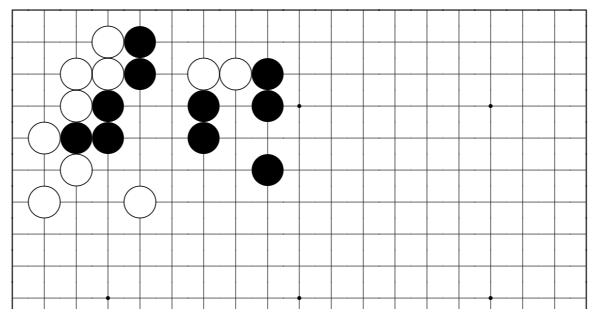
*Problem 377*



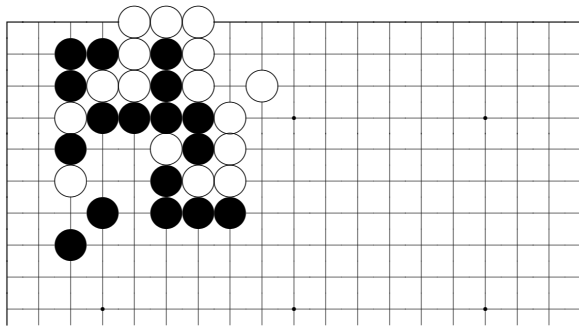
*Problem 381*



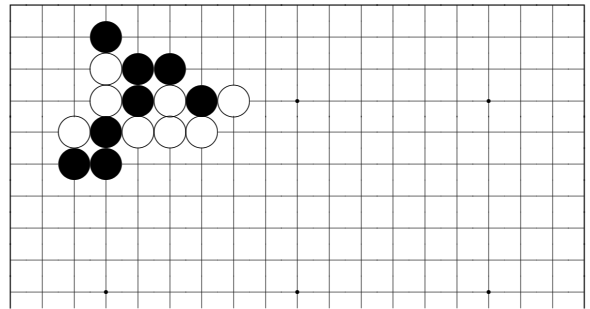
*Problem 378*



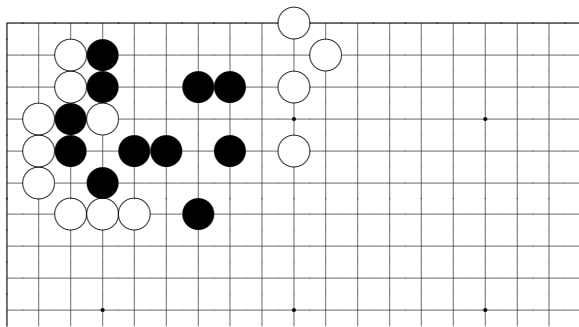
*Problem 382*



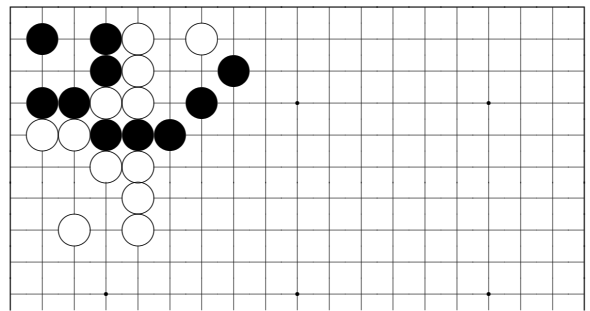
*Problem 383*



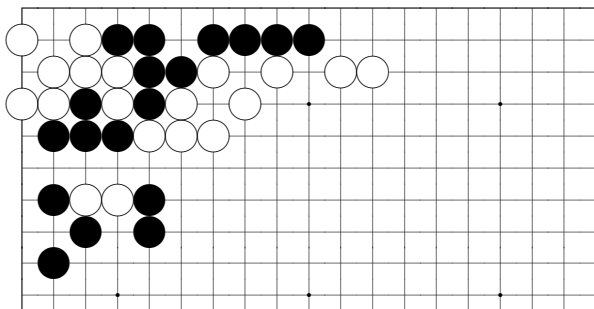
*Problem 387*



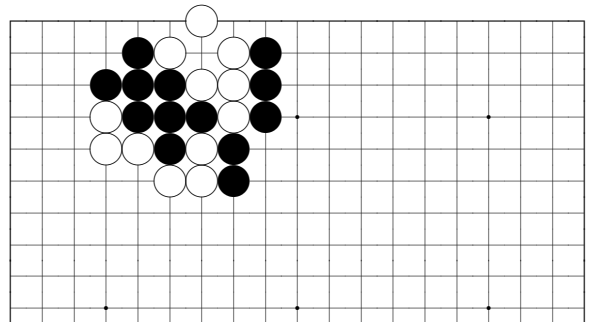
*Problem 384*



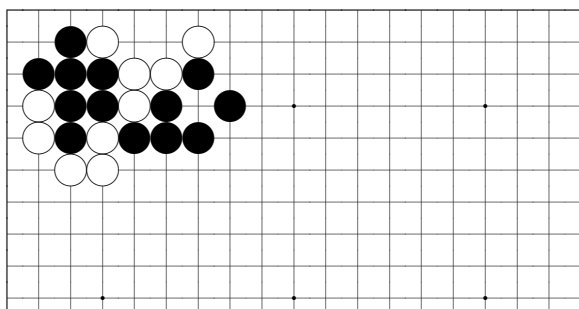
*Problem 388*



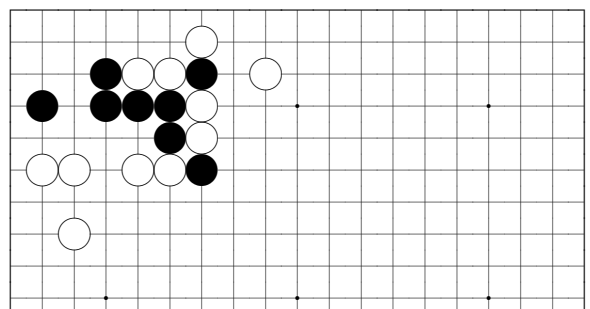
*Problem 385*



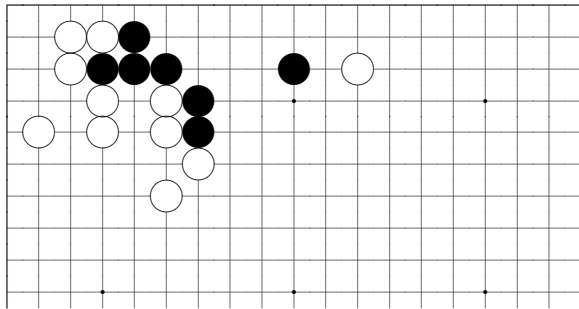
*Problem 389*



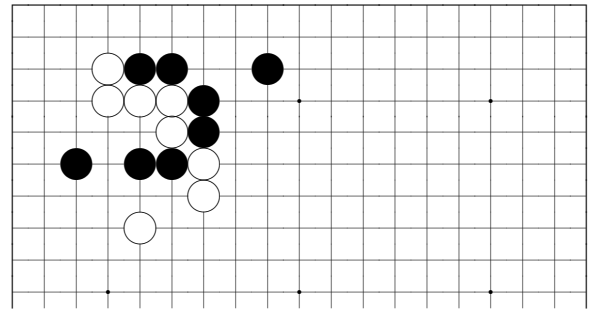
*Problem 386*



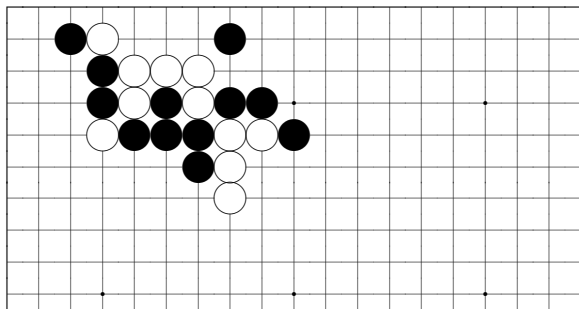
*Problem 390*



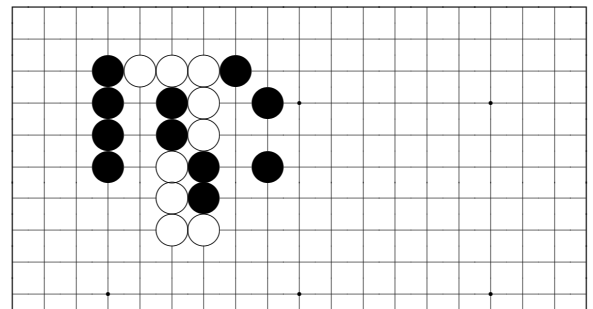
*Problem 391*



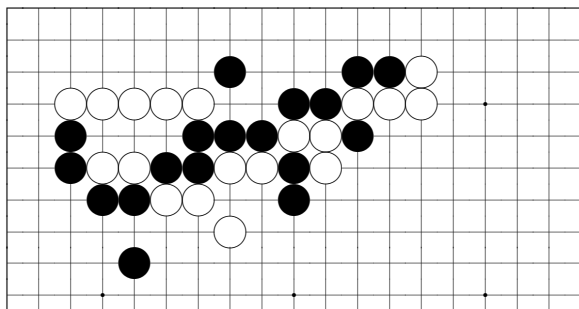
*Problem 395*



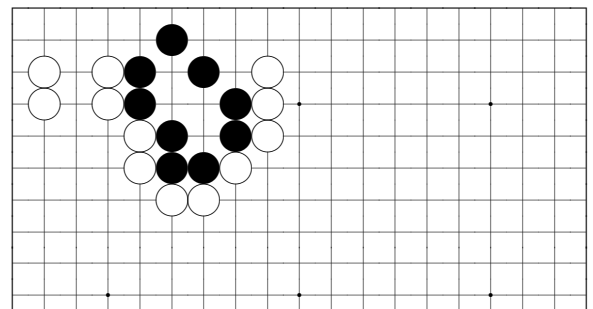
*Problem 392*



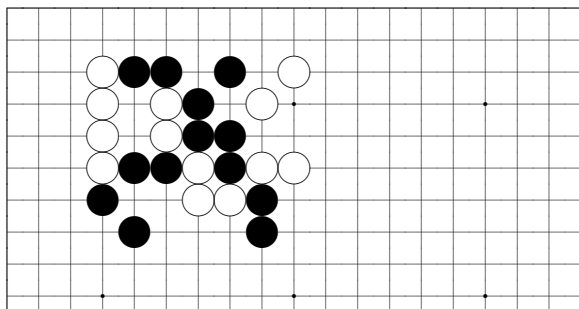
*Problem 396*



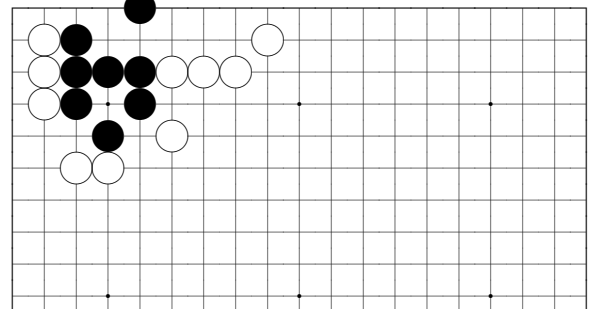
*Problem 393*



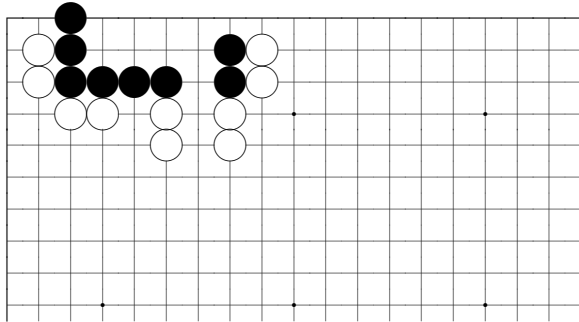
*Problem 397*



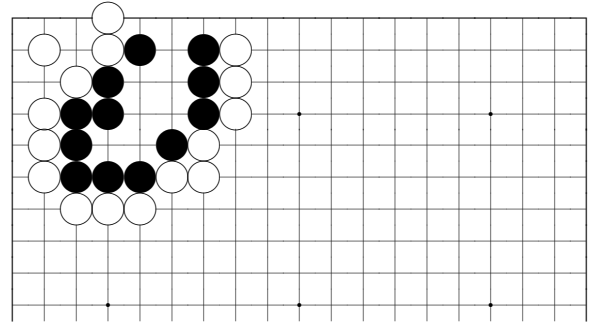
*Problem 394*



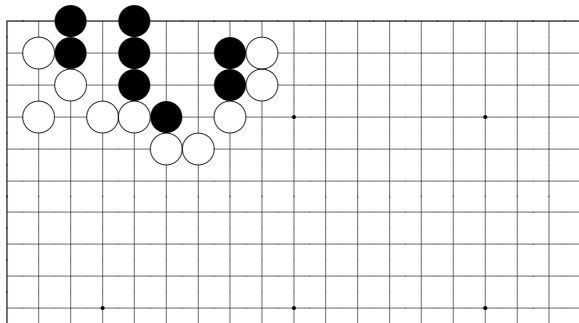
*Problem 398*



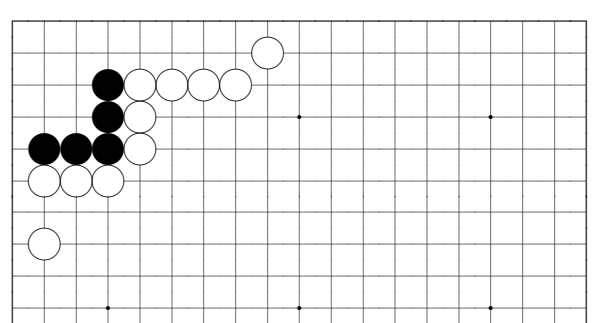
*Problem 399*



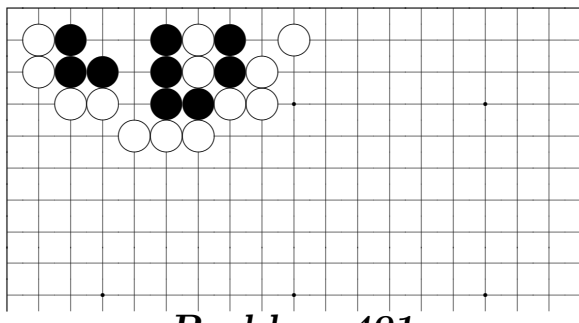
*Problem 403*



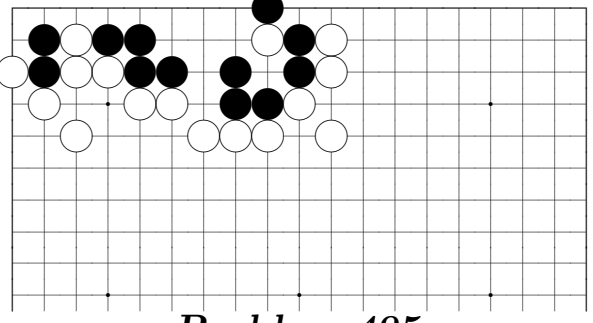
*Problem 400*



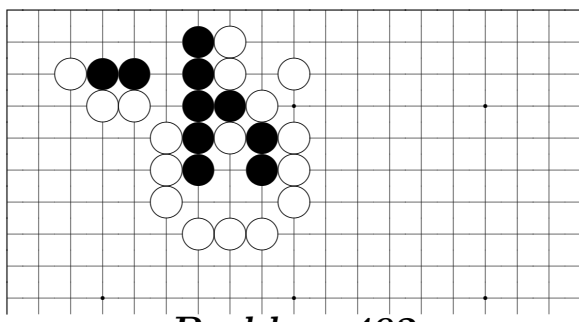
*Problem 404*



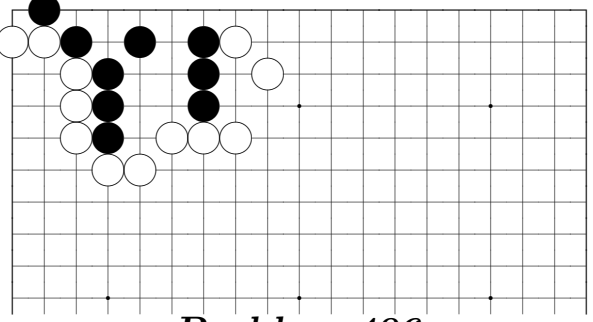
*Problem 401*



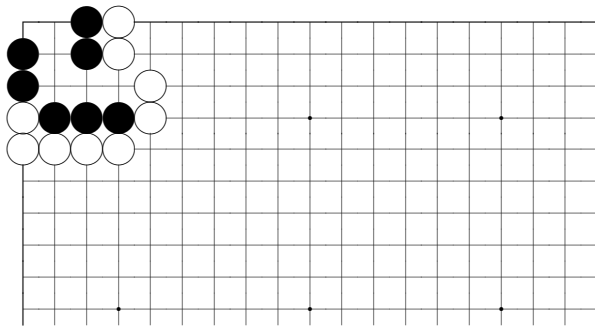
*Problem 405*



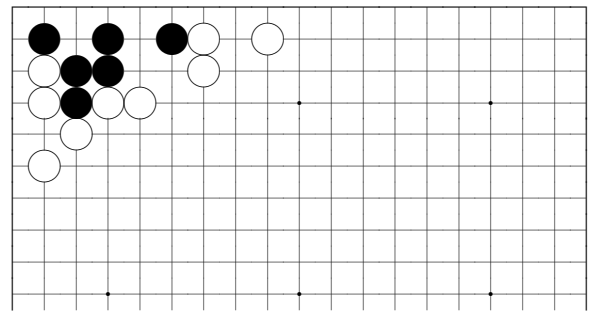
*Problem 402*



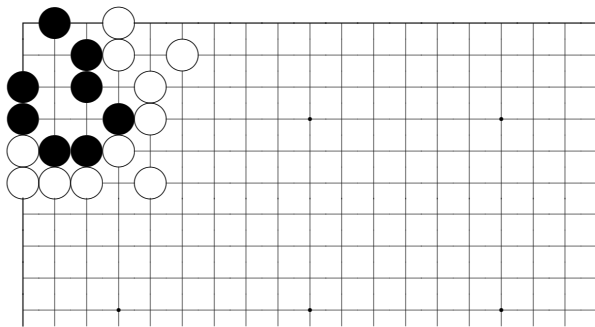
*Problem 406*



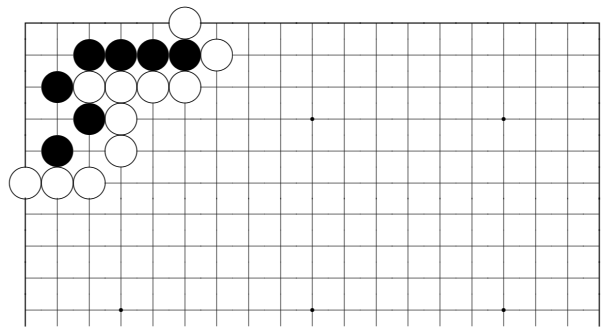
*Problem 407*



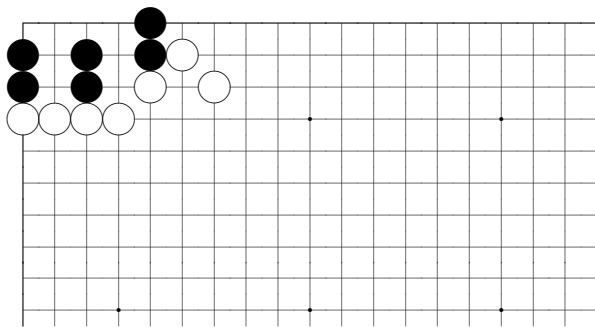
*Problem 411*



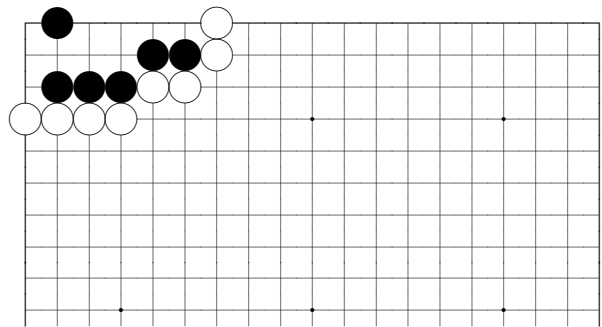
*Problem 408*



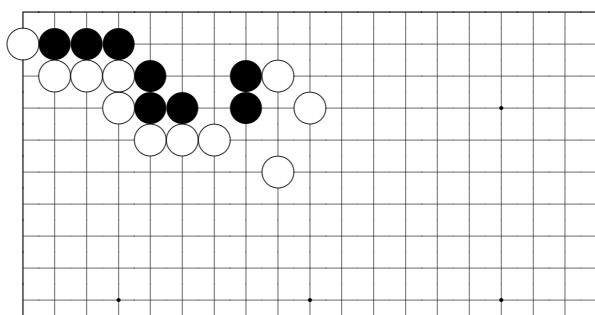
*Problem 412*



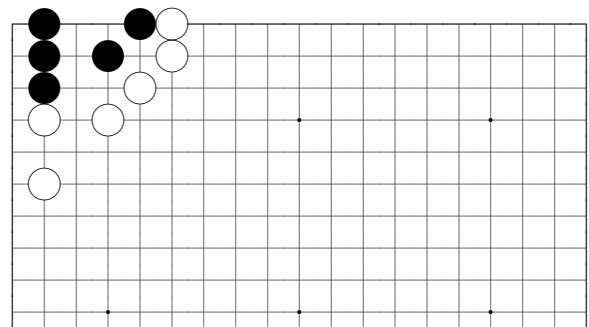
*Problem 409*



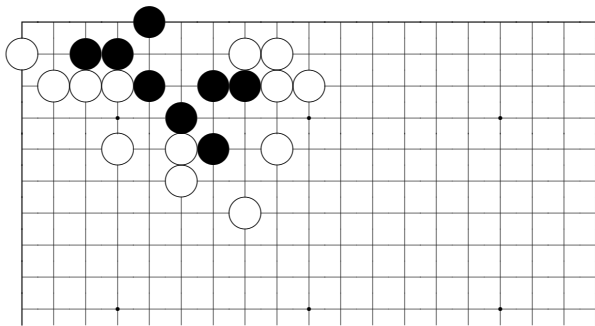
*Problem 413*



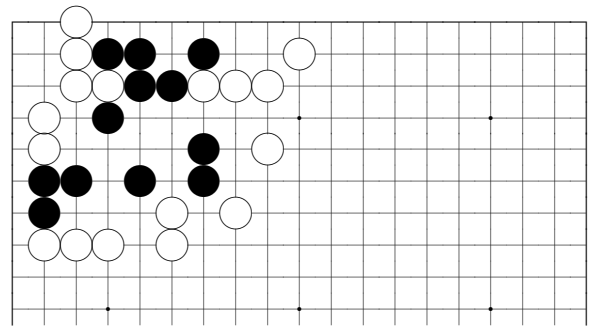
*Problem 410*



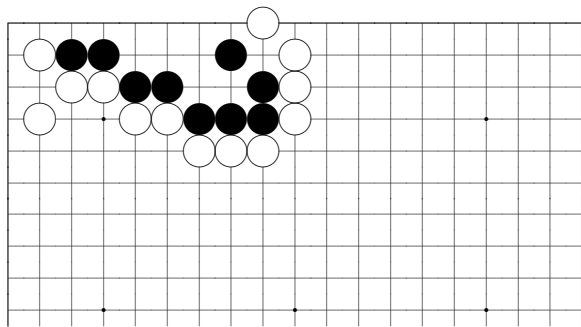
*Problem 414*



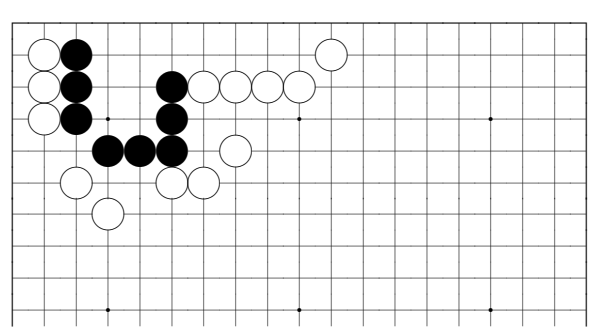
*Problem 415*



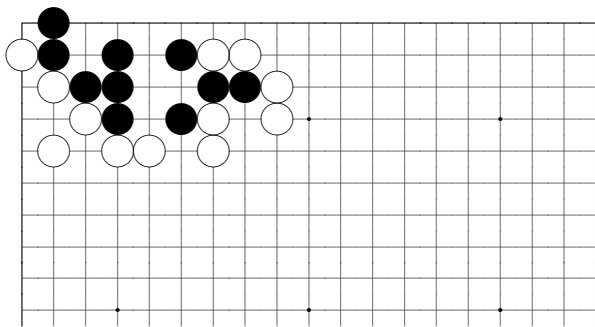
*Problem 419*



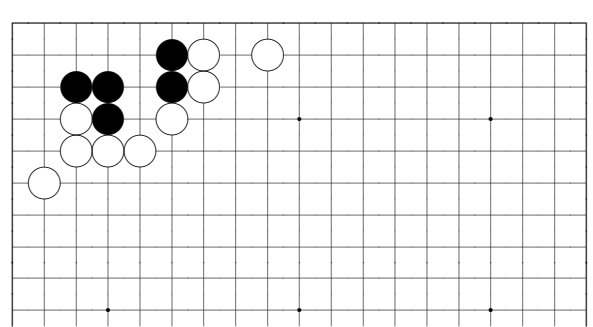
*Problem 416*



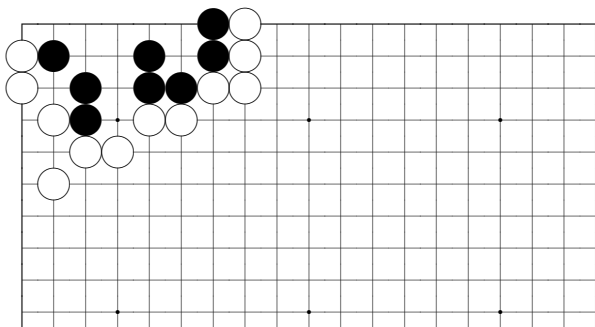
*Problem 420*



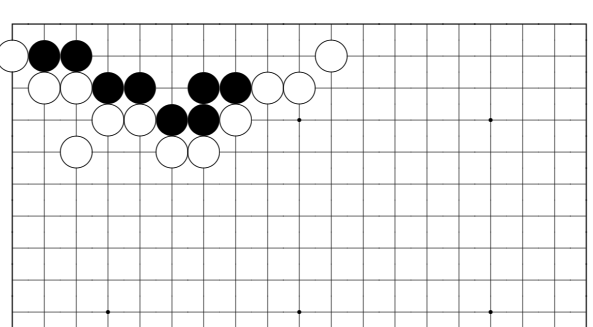
*Problem 417*



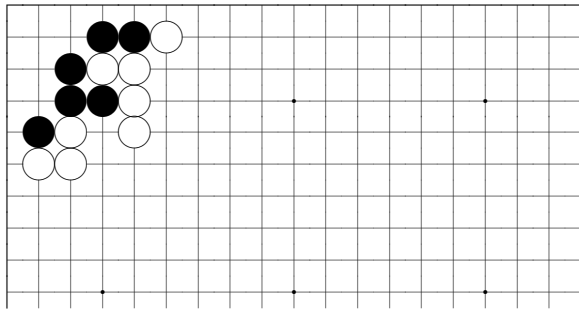
*Problem 421*



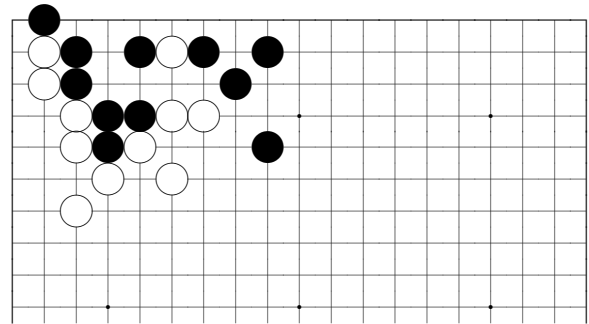
*Problem 418*



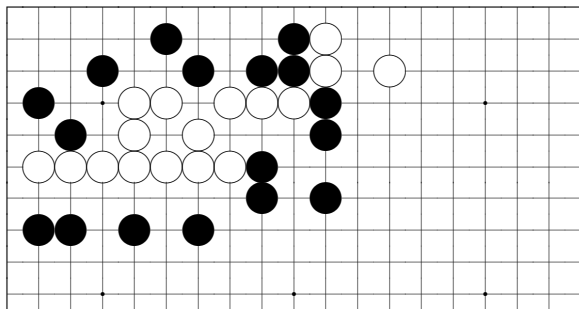
*Problem 422*



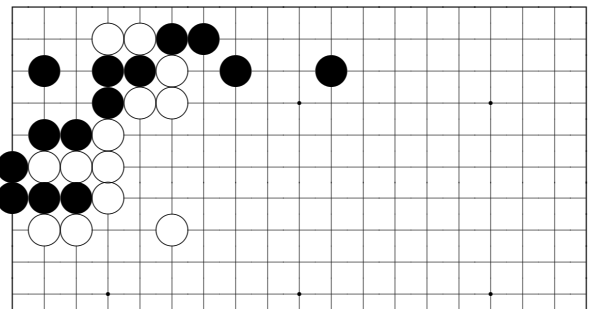
*Problem 423*



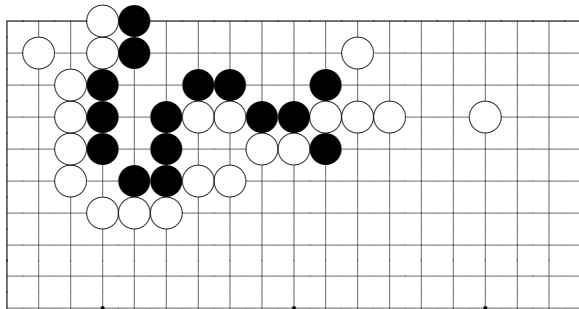
*Problem 427*



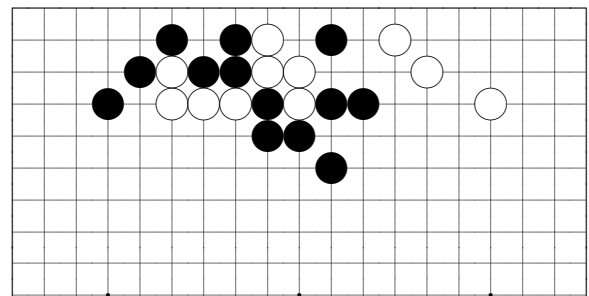
*Problem 424*



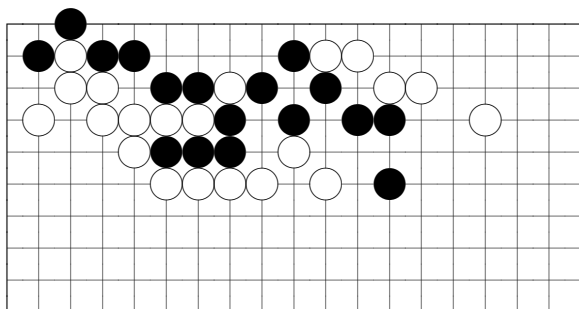
*Problem 428*



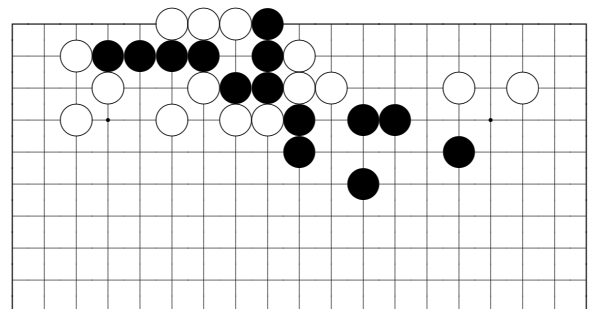
*Problem 425*



*Problem 429*

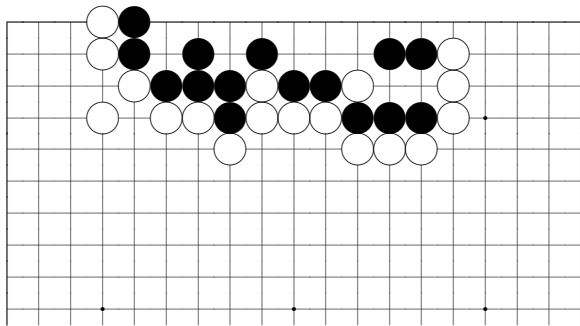


*Problem 426*

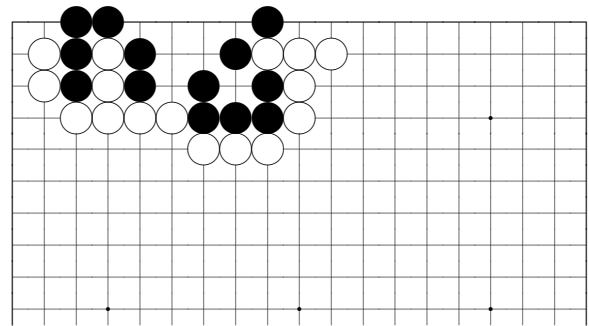


*Problem 430*

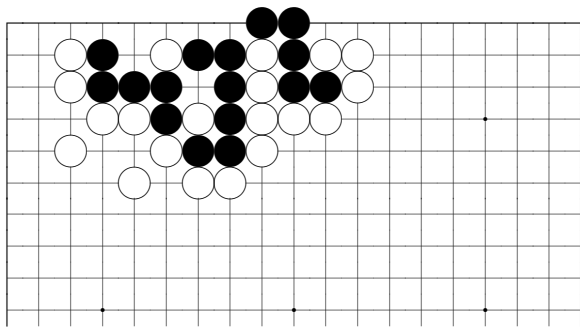




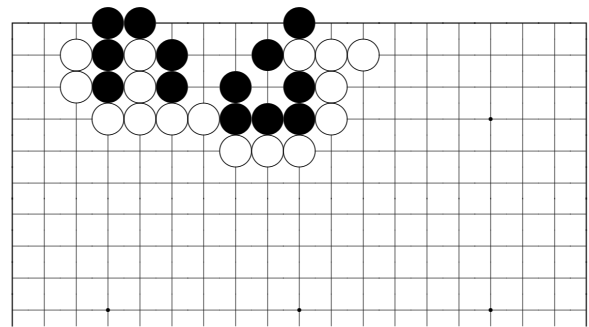
*Problem 431*



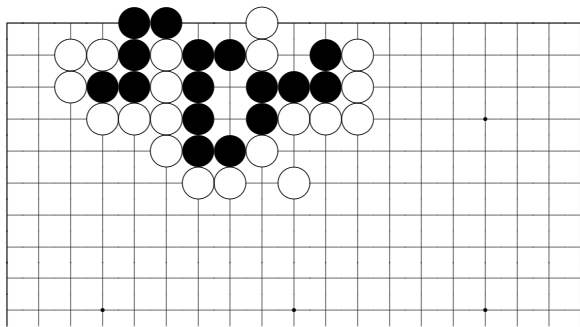
*Problem 435*



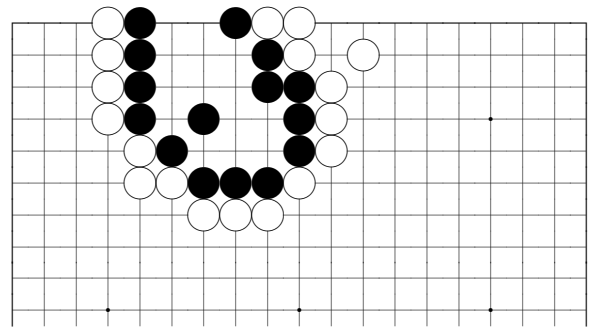
*Problem 432*



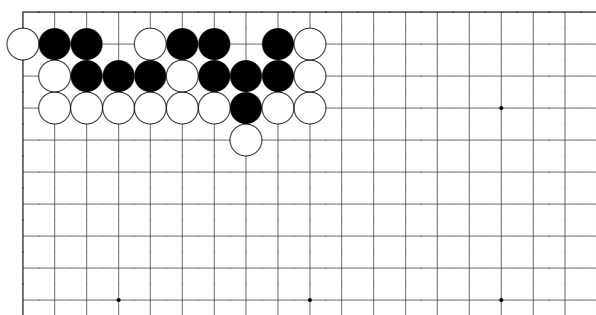
*Problem 436*



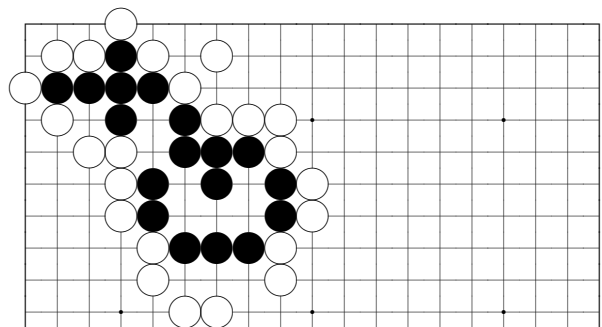
*Problem 433*



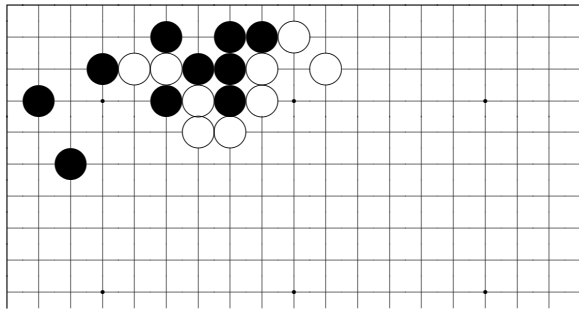
*Problem 437*



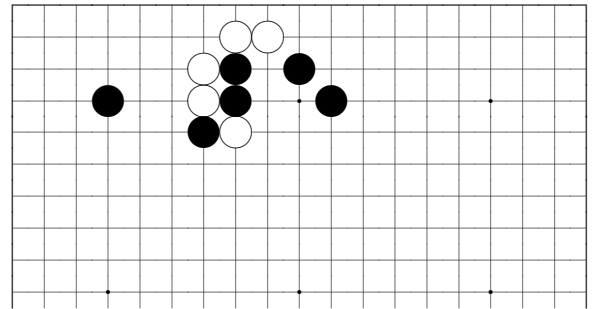
*Problem 434*



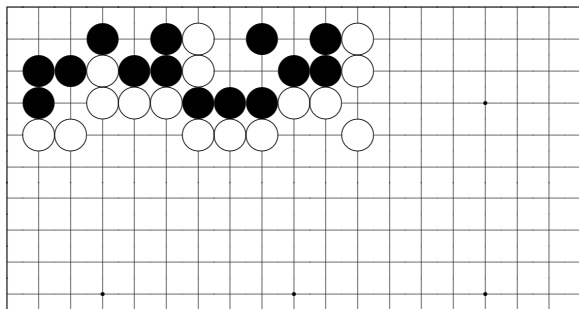
*Problem 438*



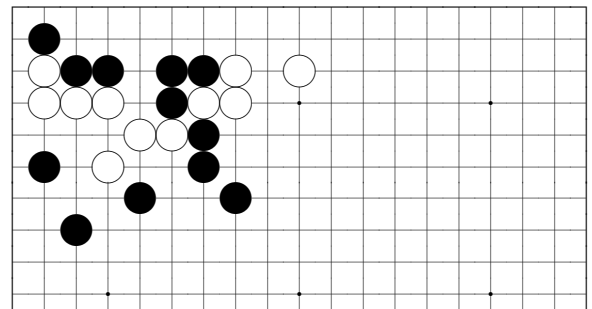
*Problem 439*



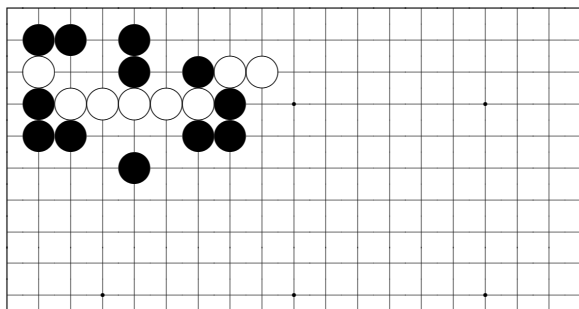
*Problem 443*



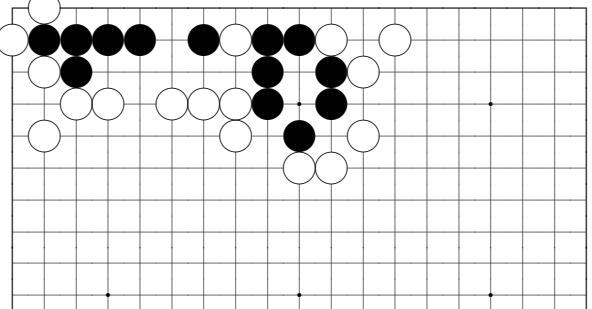
*Problem 440*



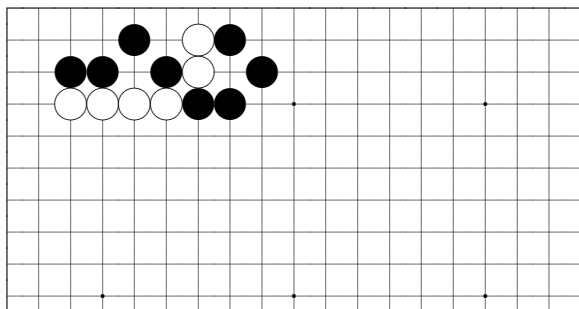
*Problem 444*



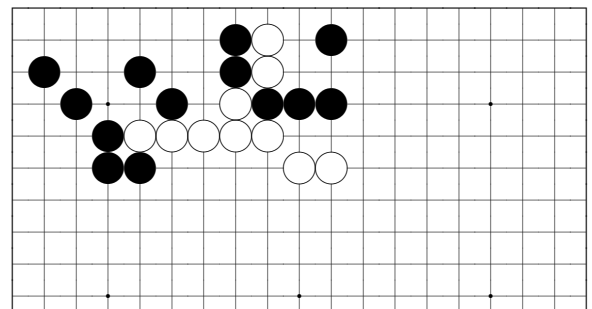
*Problem 441*



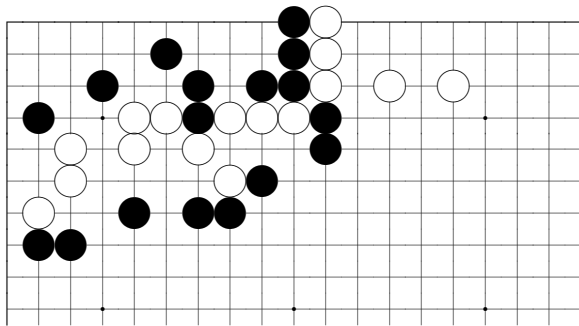
*Problem 445*



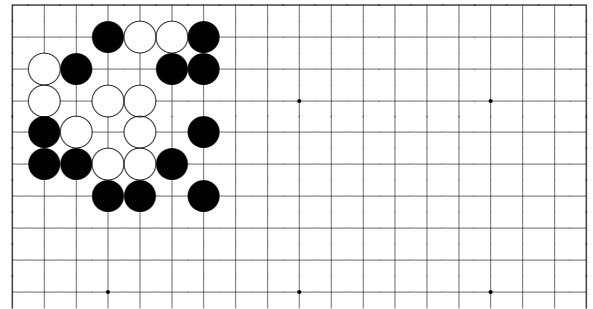
*Problem 442*



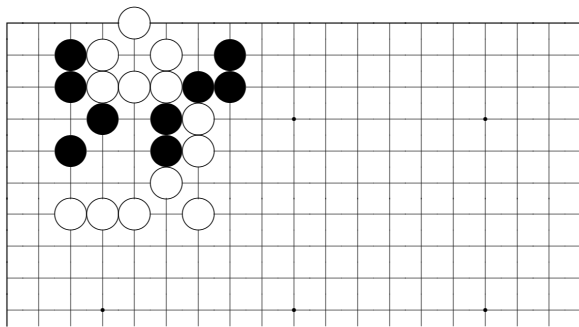
*Problem 446*



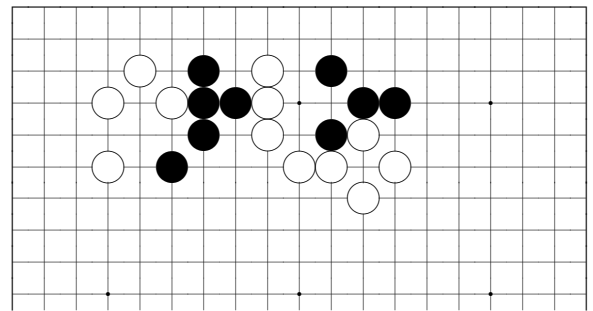
*Problem 447*



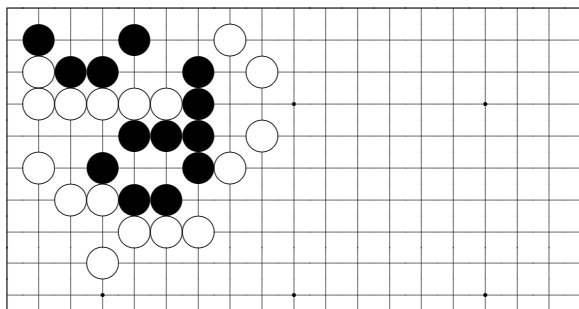
*Problem 451*



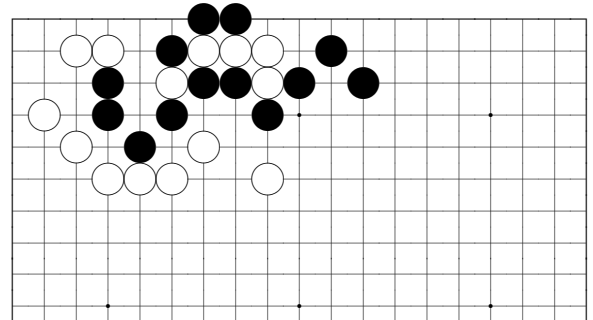
*Problem 448*



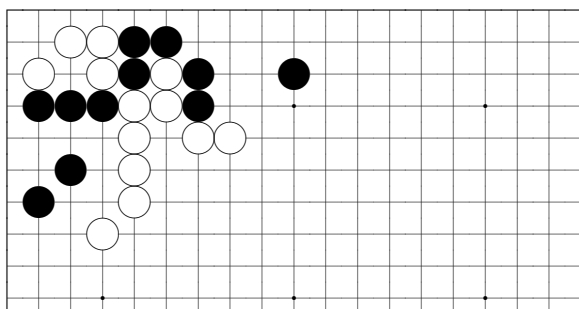
*Problem 452*



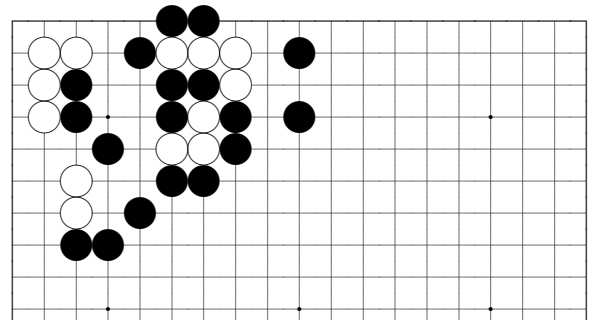
*Problem 449*



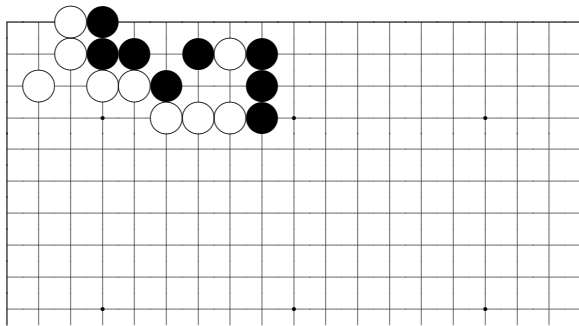
*Problem 453*



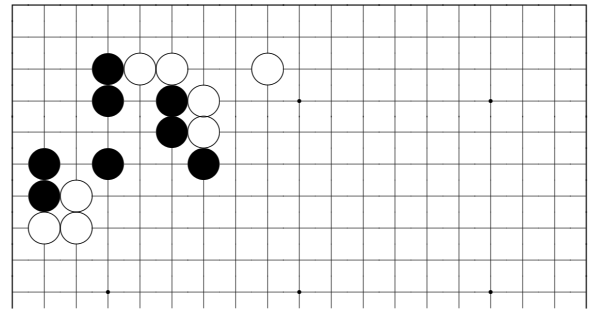
*Problem 450*



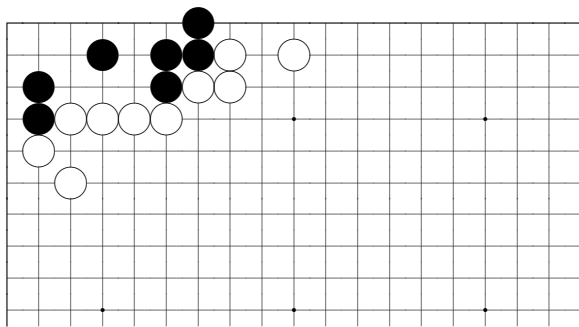
*Problem 454*



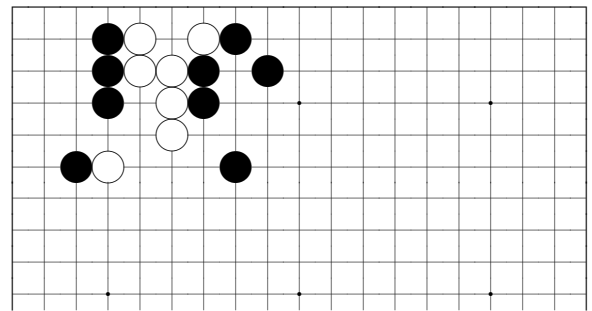
*Problem 455*



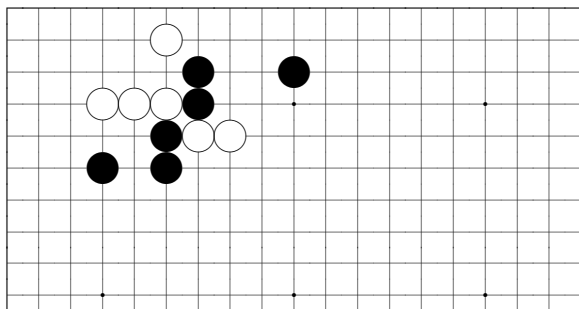
*Problem 459*



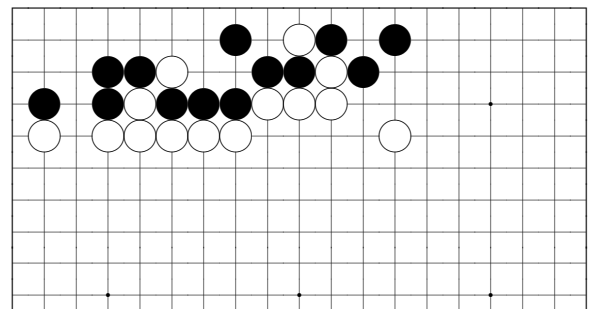
*Problem 456*



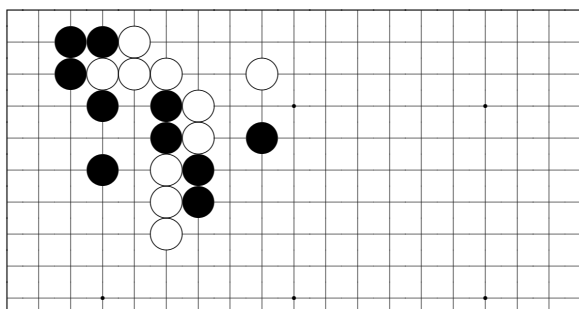
*Problem 460*



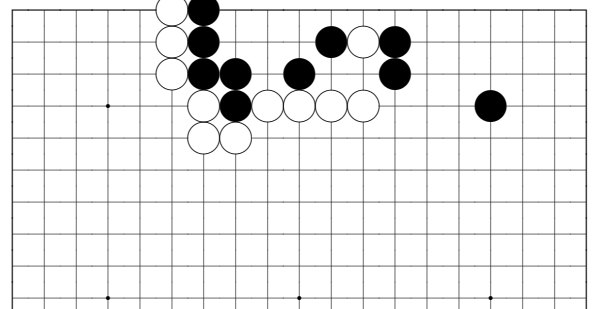
*Problem 457*



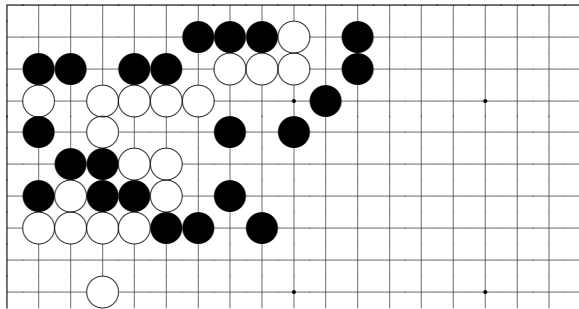
*Problem 461*



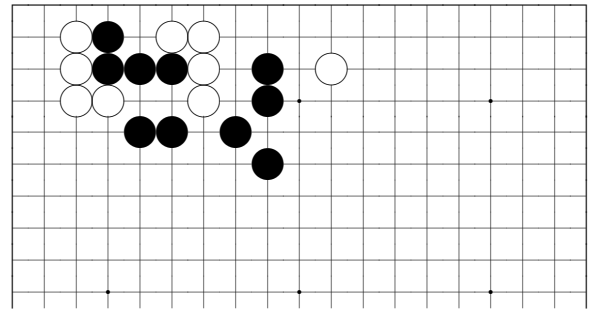
*Problem 458*



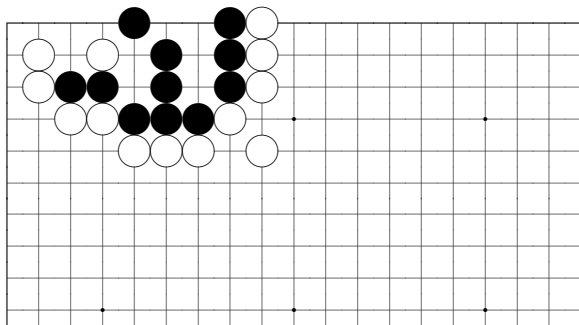
*Problem 462*



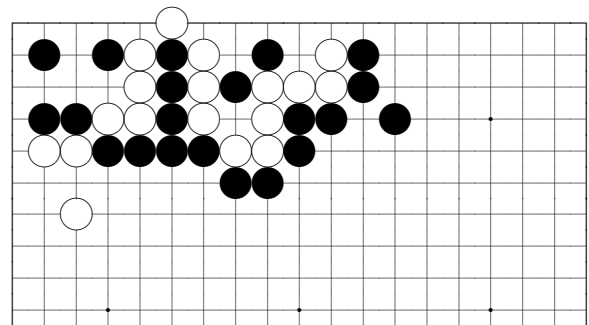
*Problem 463*



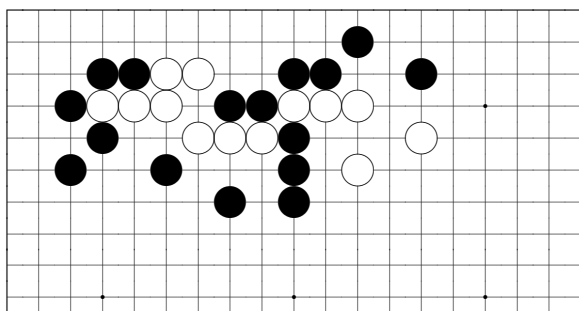
*Problem 467*



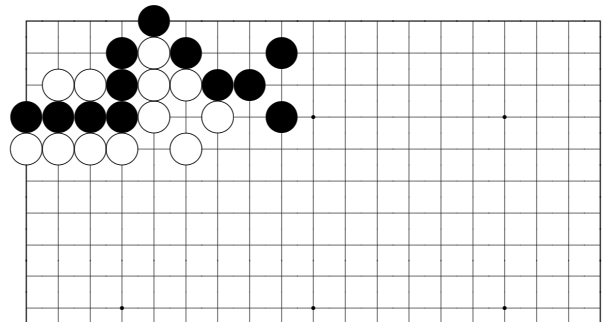
*Problem 464*



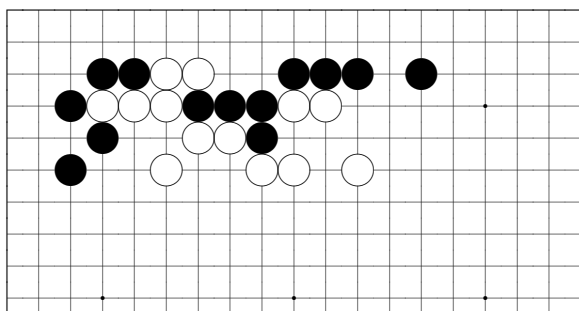
*Problem 468*



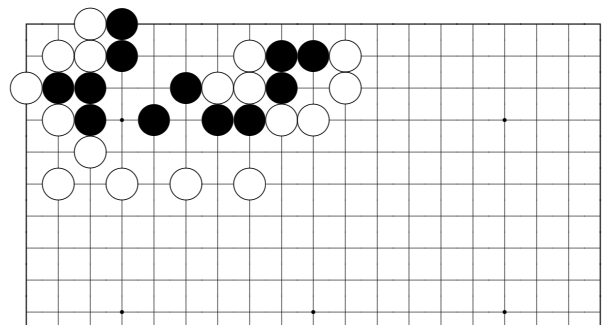
*Problem 465*



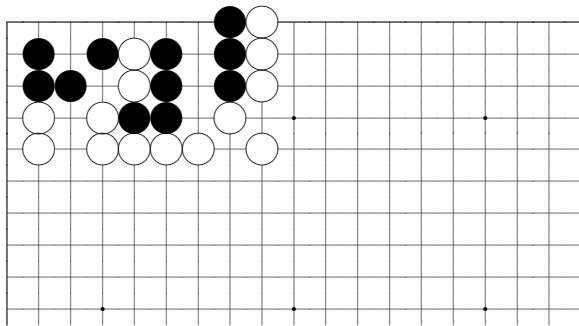
*Problem 469*



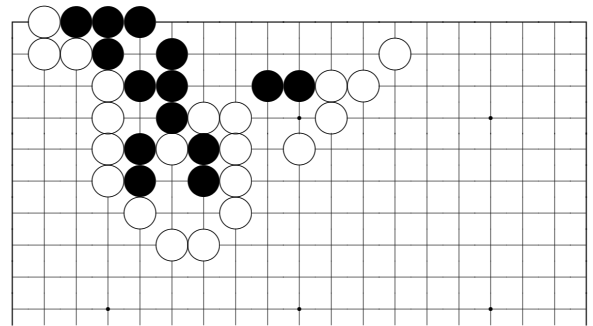
*Problem 466*



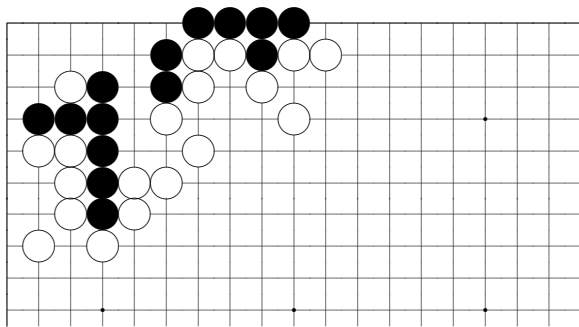
*Problem 470*



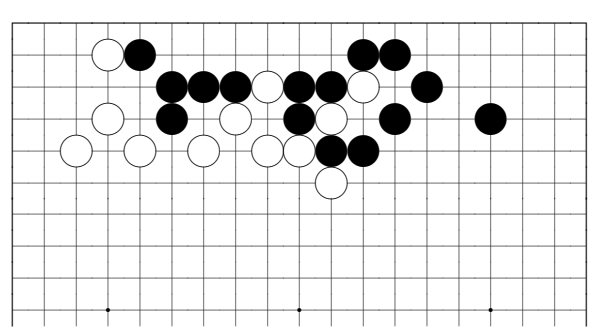
*Problem 471*



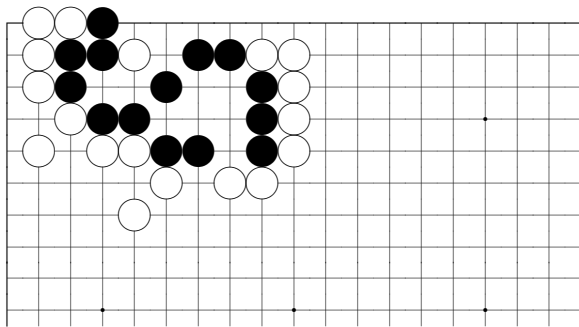
*Problem 475*



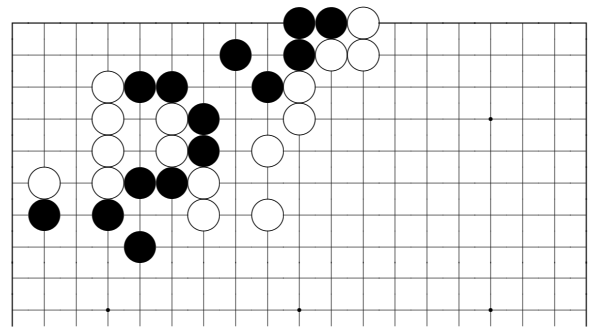
*Problem 472*



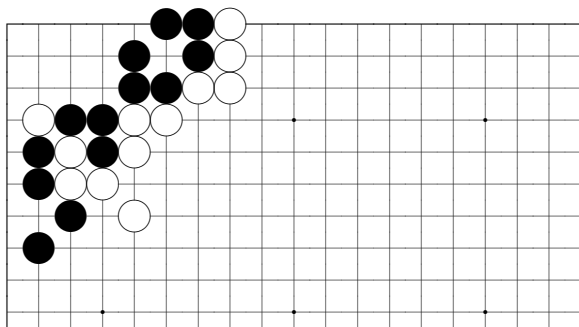
*Problem 476*



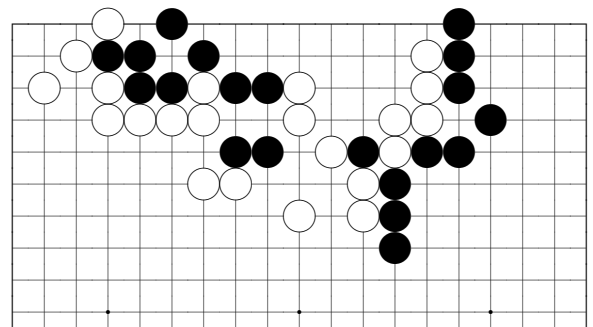
*Problem 473*



*Problem 477*

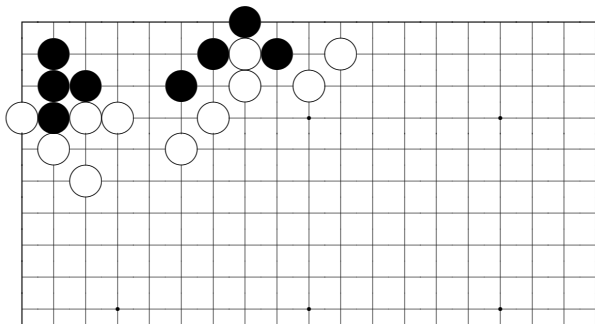


*Problem 474*

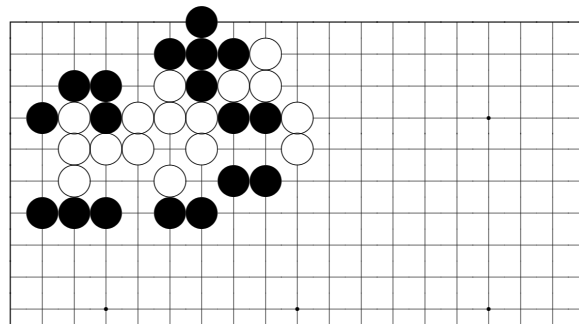


*Problem 478*

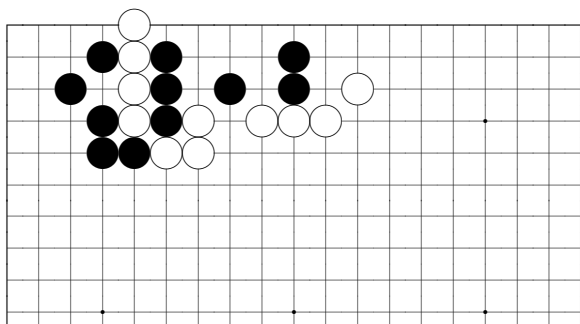




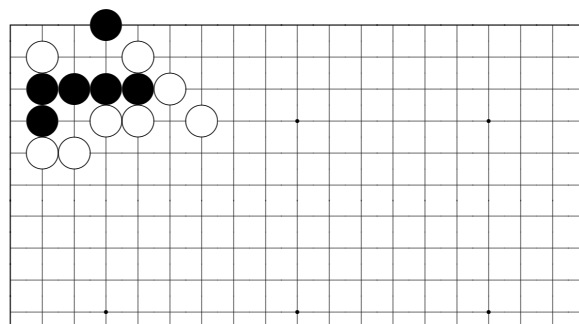
*Problem 487*



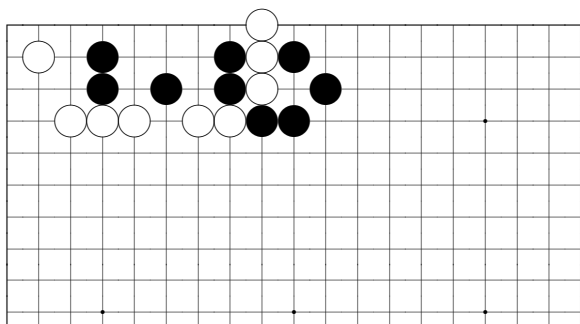
*Problem 491*



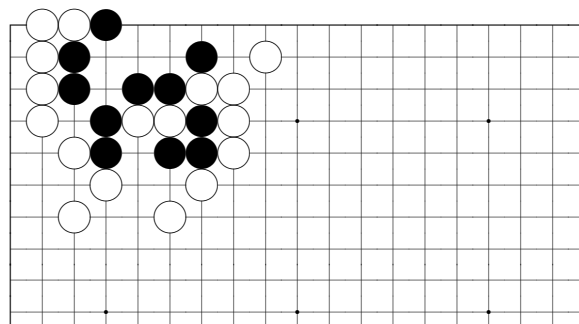
*Problem 488*



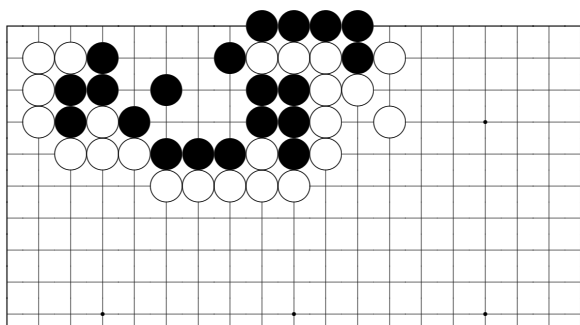
*Problem 492*



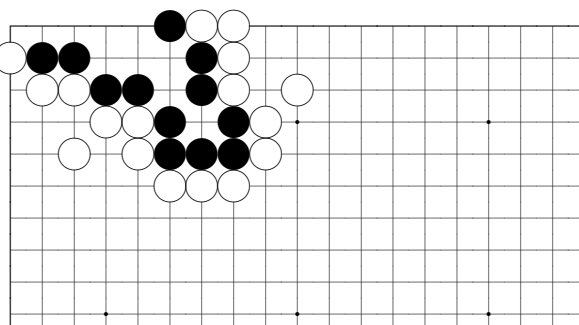
*Problem 489*



*Problem 493*

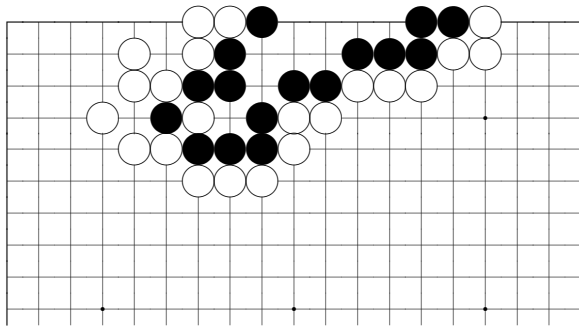


*Problem 490*

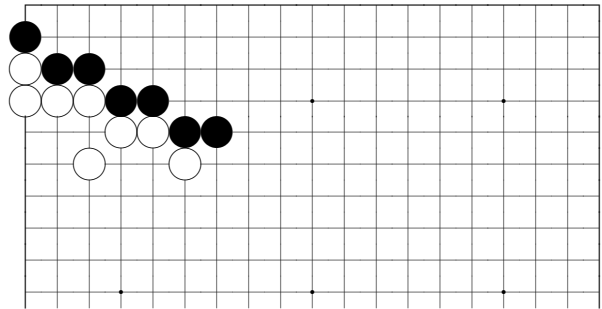


*Problem 494*

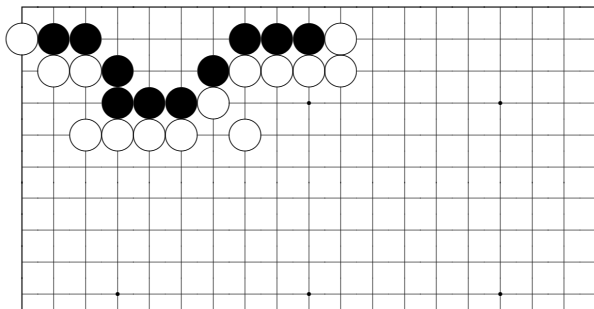




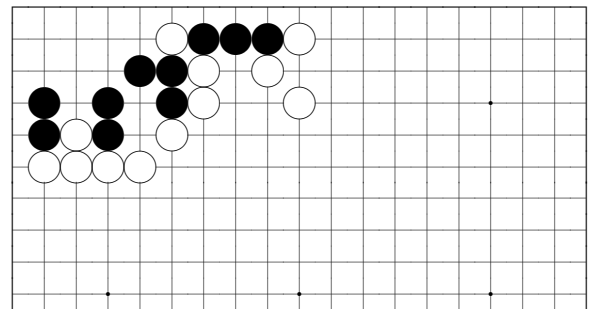
*Problem 495*



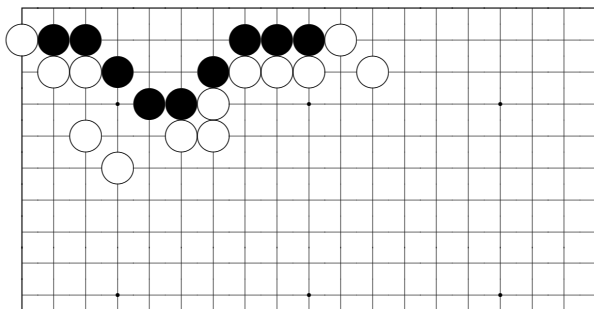
*Problem 499*



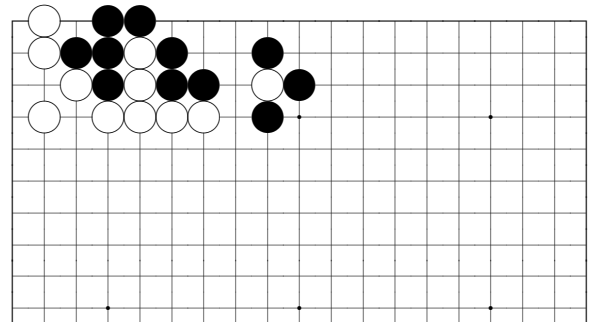
*Problem 496*



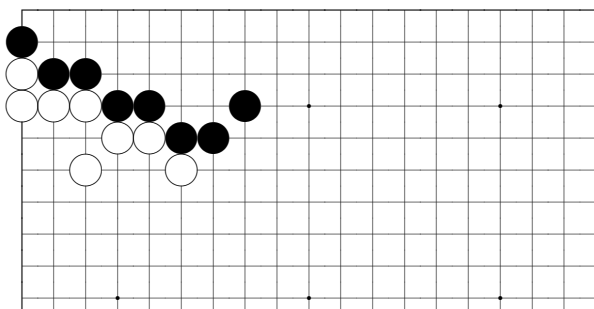
*Problem 500*



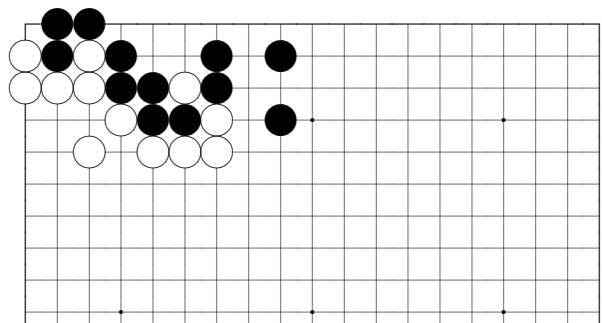
*Problem 497*



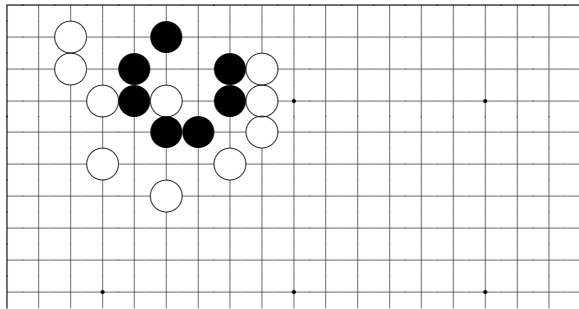
*Problem 501*



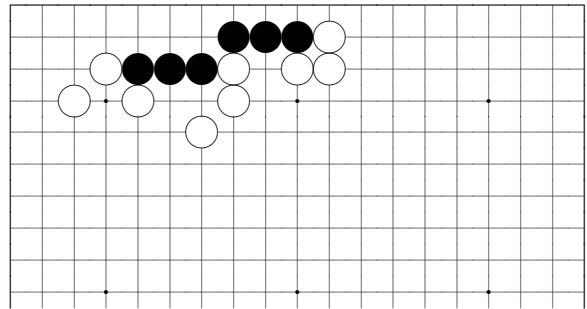
*Problem 498*



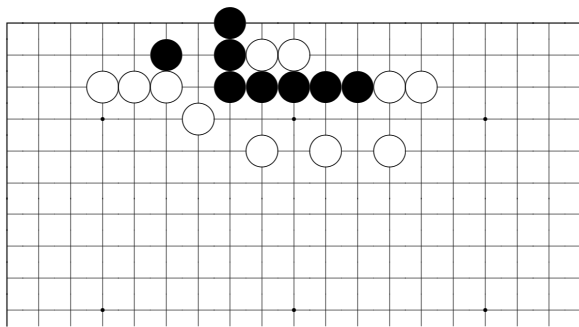
*Problem 502*



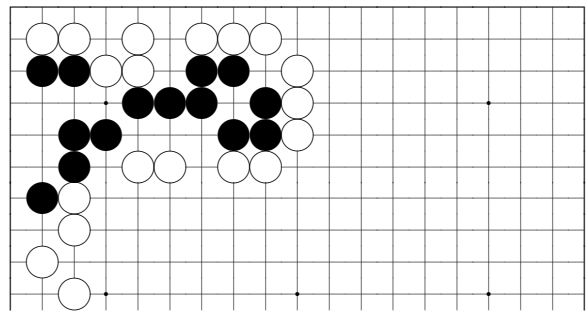
*Problem 503*



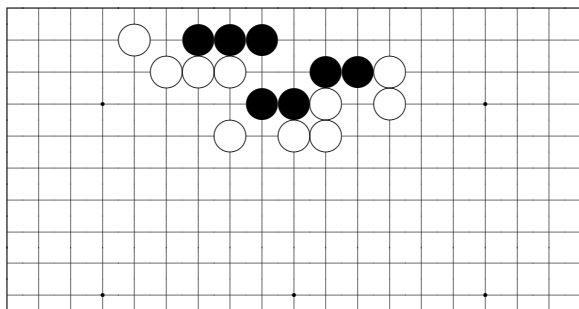
*Problem 507*



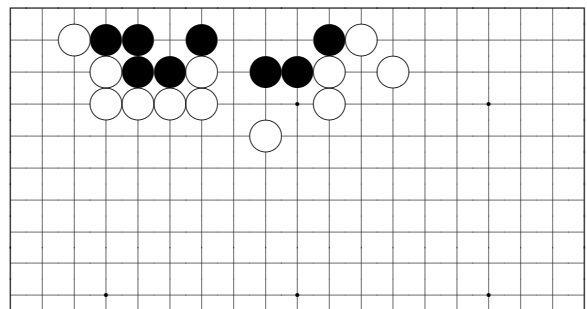
*Problem 504*



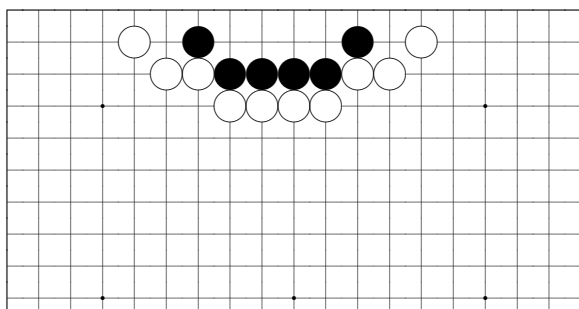
*Problem 508*



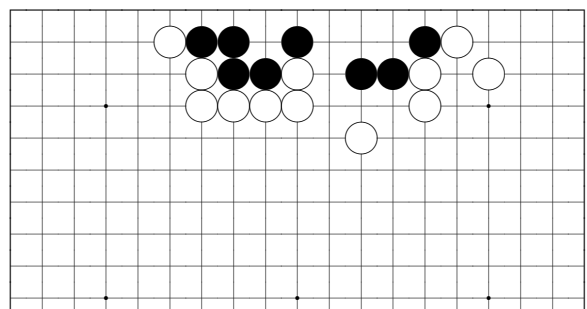
*Problem 505*



*Problem 509*

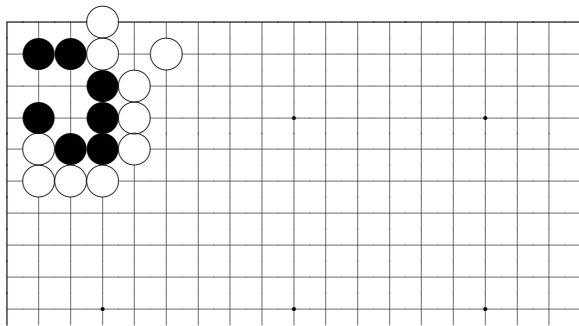


*Problem 506*

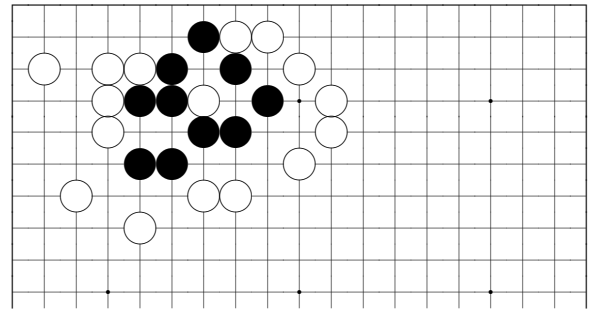


*Problem 510*

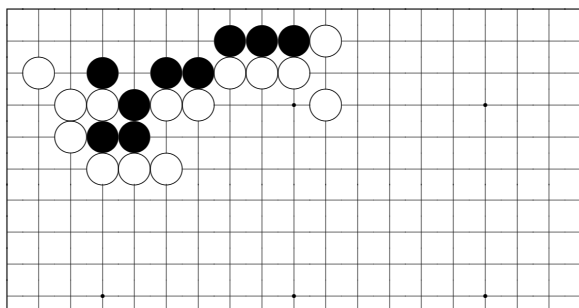




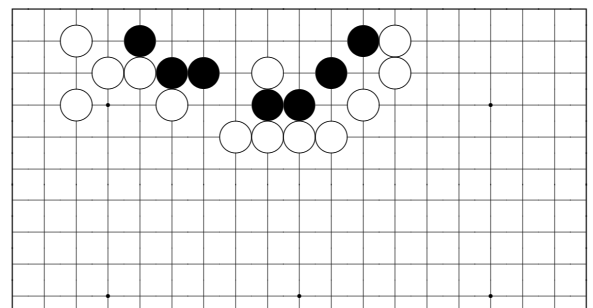
*Problem 519*



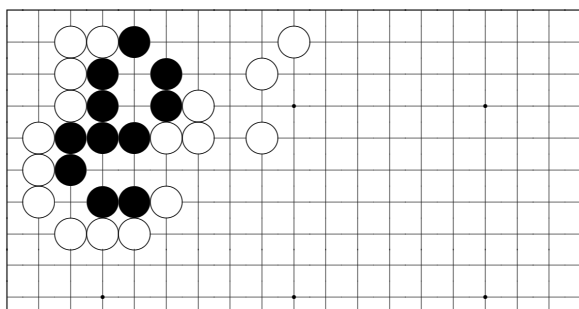
*Problem 523*



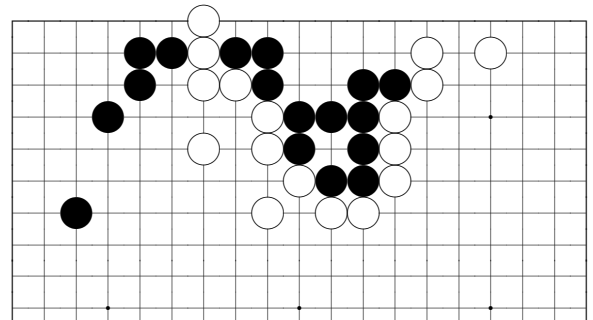
*Problem 520*



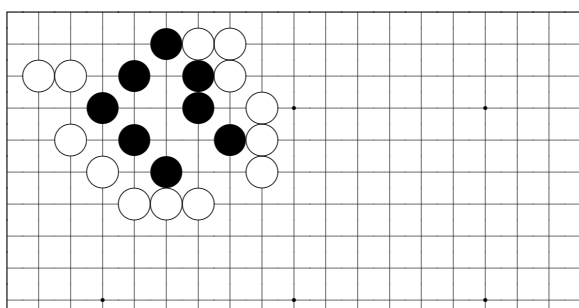
*Problem 524*



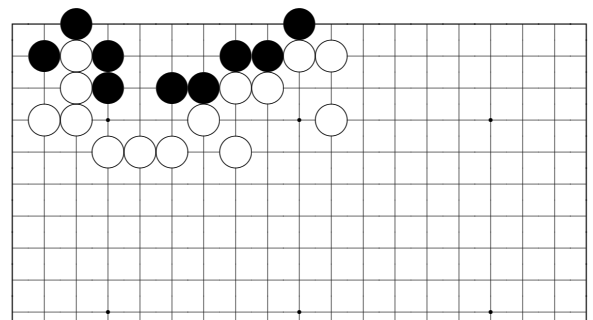
*Problem 521*



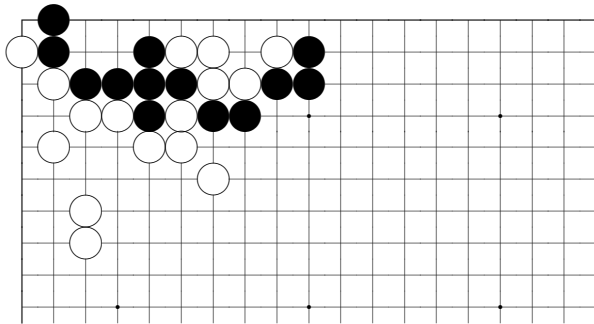
*Problem 525*



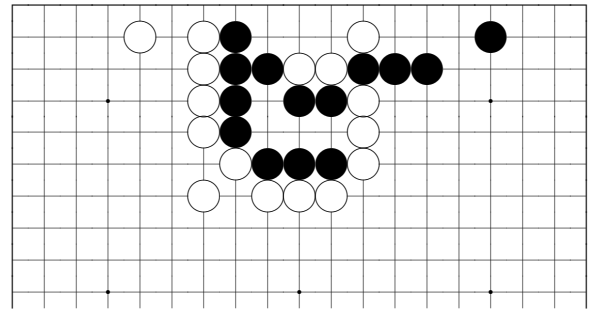
*Problem 522*



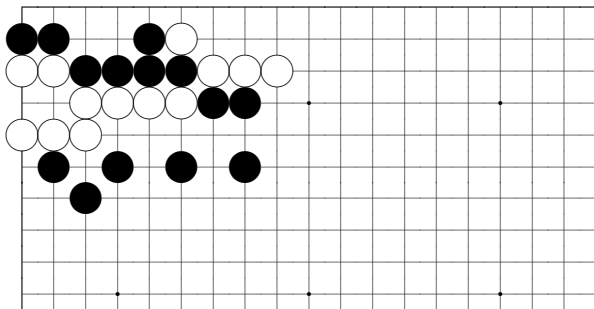
*Problem 526*



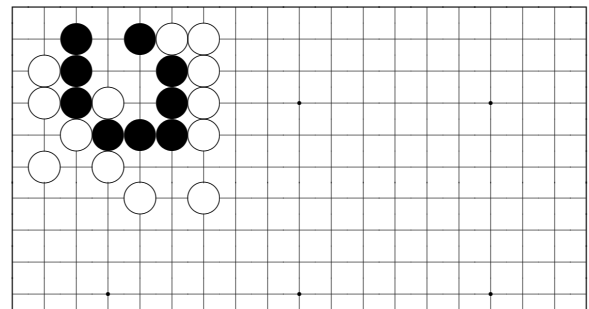
*Problem 527*



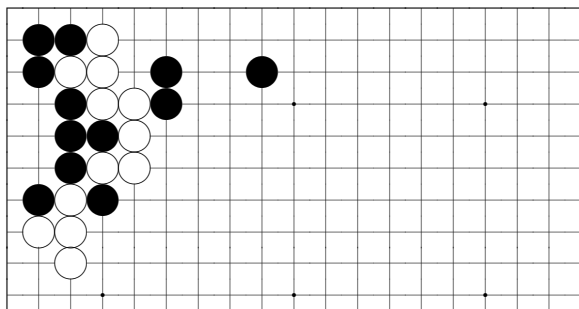
*Problem 531*



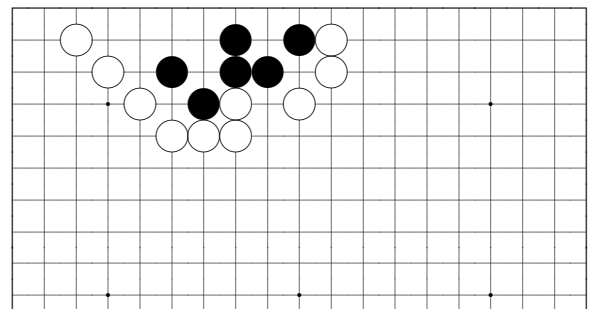
*Problem 528*



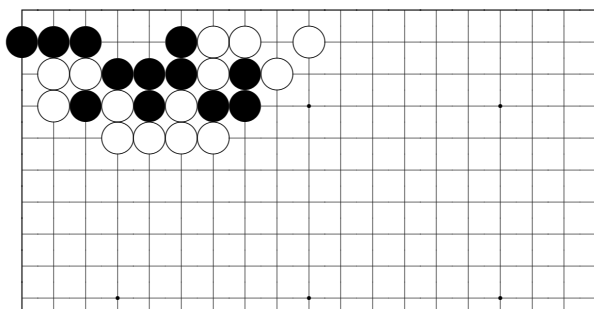
*Problem 532*



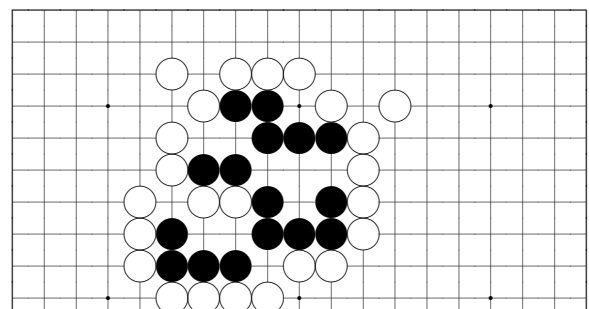
*Problem 529*



*Problem 533*



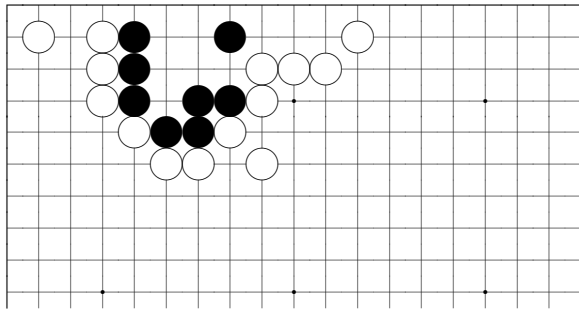
*Problem 530*



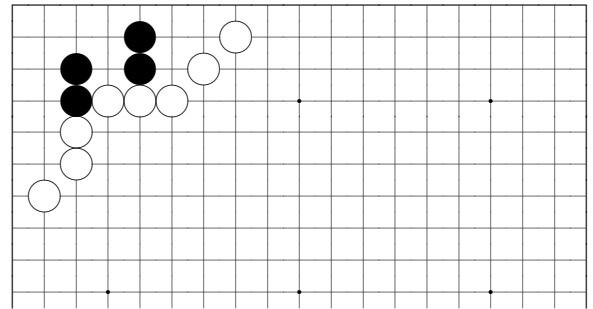
*Problem 534*



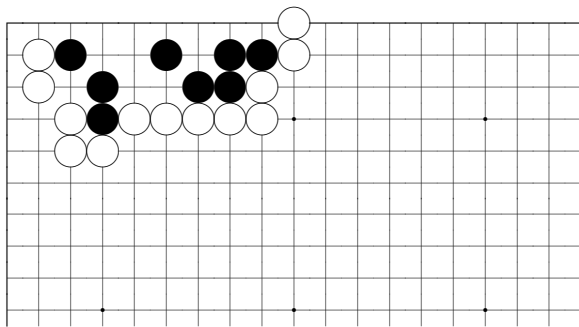




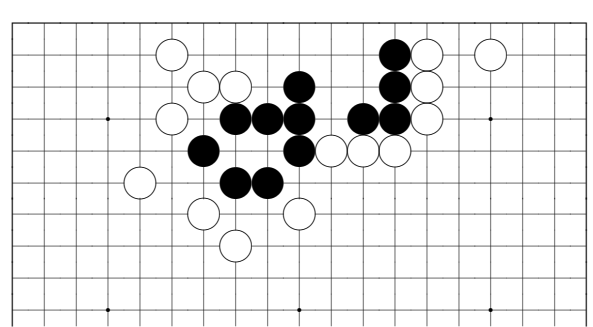
*Problem 551*



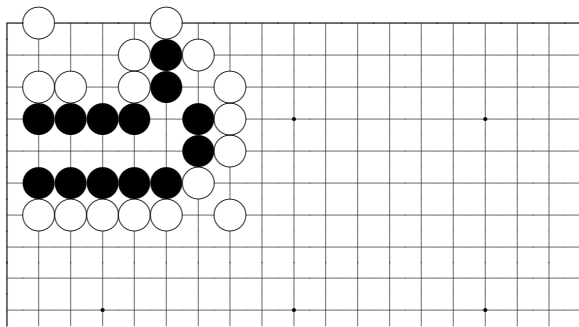
*Problem 555*



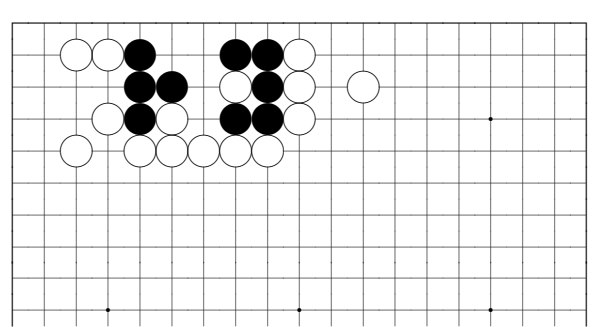
*Problem 552*



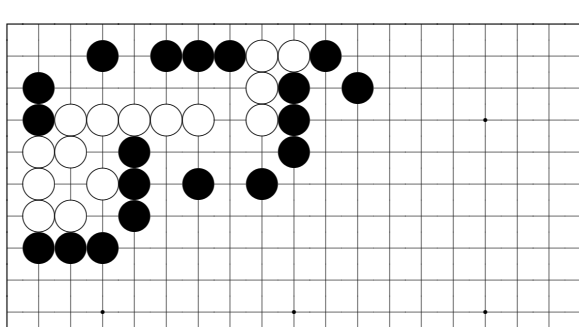
*Problem 556*



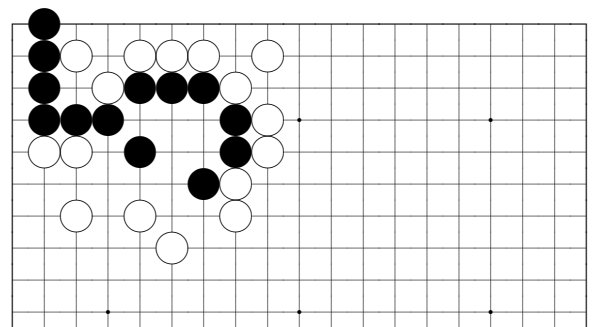
*Problem 553*



*Problem 557*

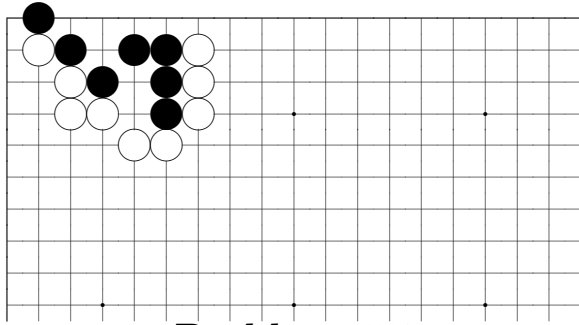


*Problem 554*

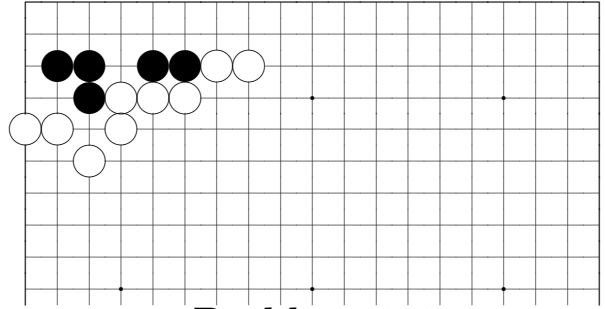


*Problem 558*

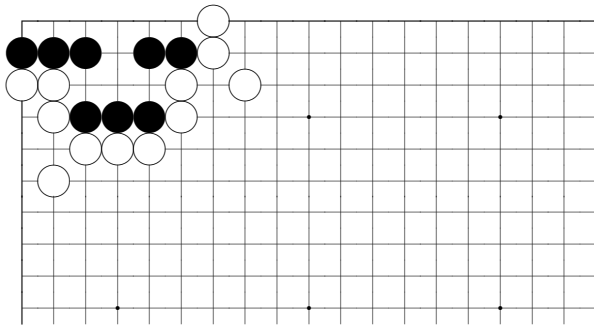




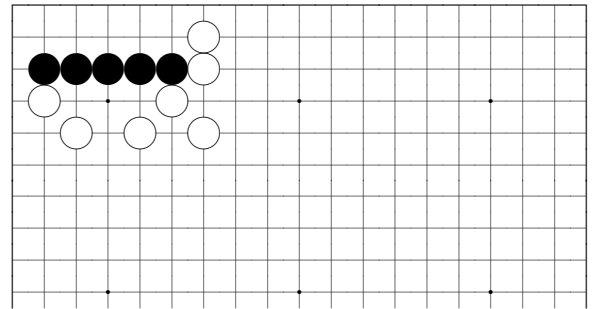
*Problem 559*



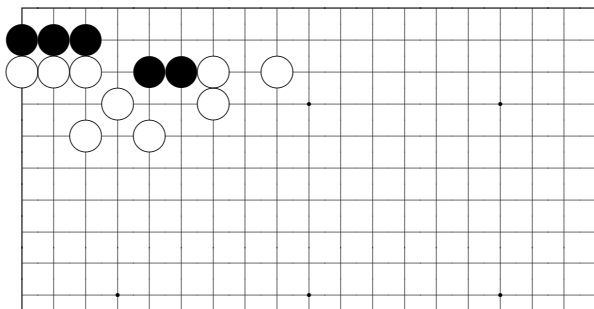
*Problem 563*



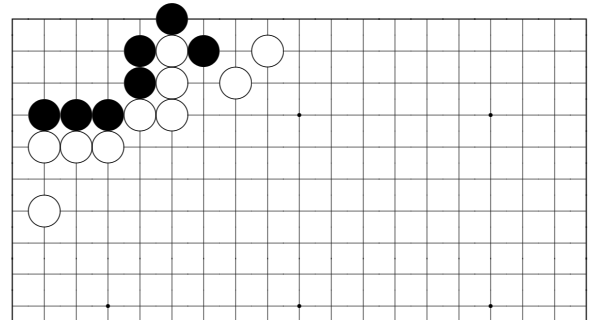
*Problem 560*



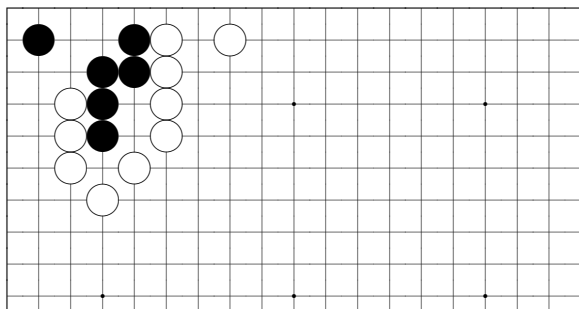
*Problem 564*



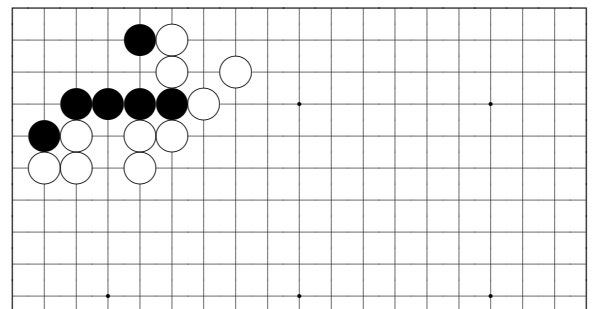
*Problem 561*



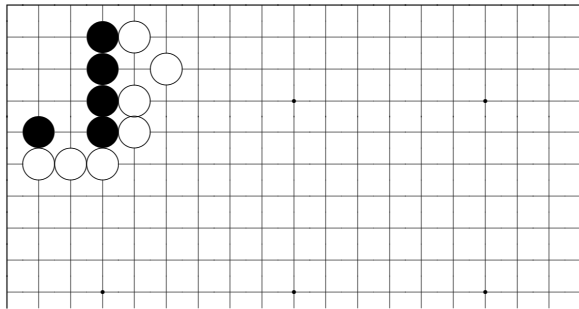
*Problem 565*



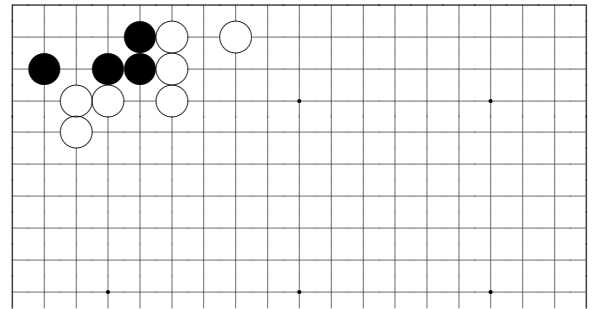
*Problem 562*



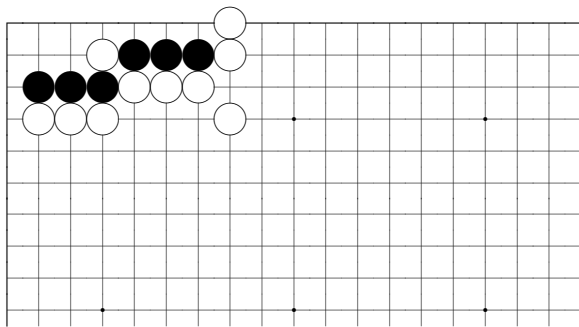
*Problem 566*



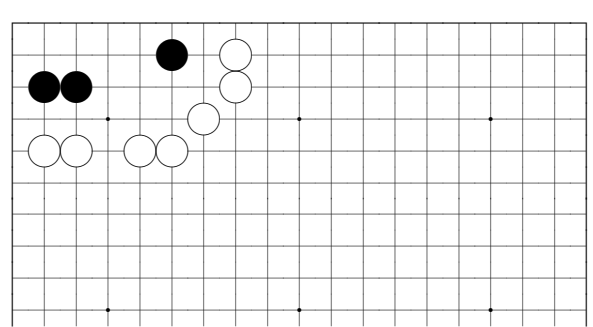
*Problem 567*



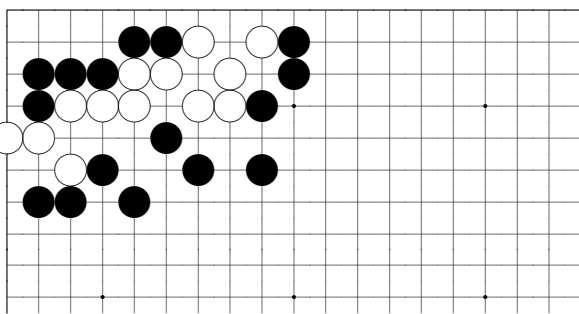
*Problem 571*



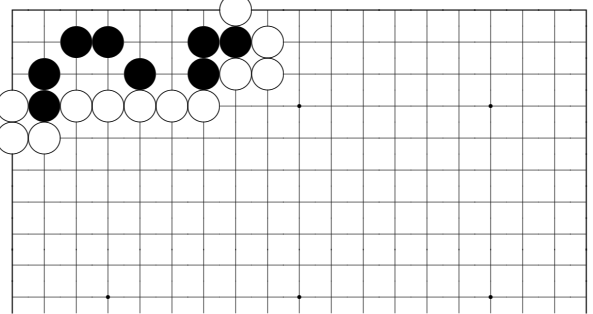
*Problem 568*



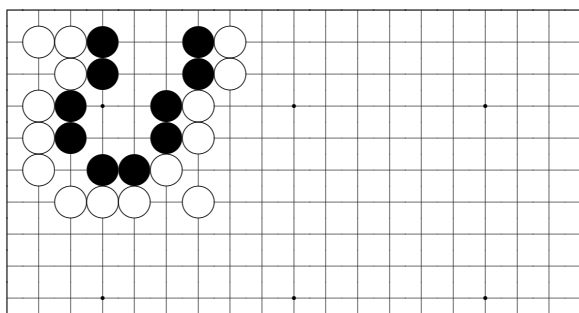
*Problem 572*



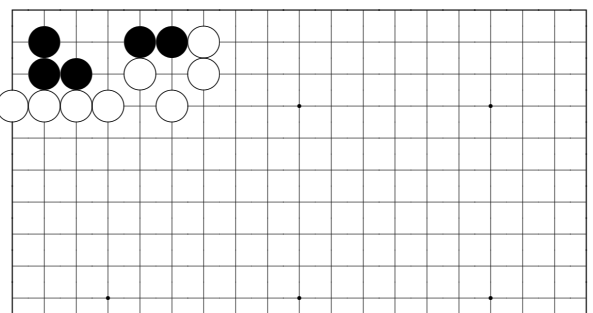
*Problem 569*



*Problem 573*

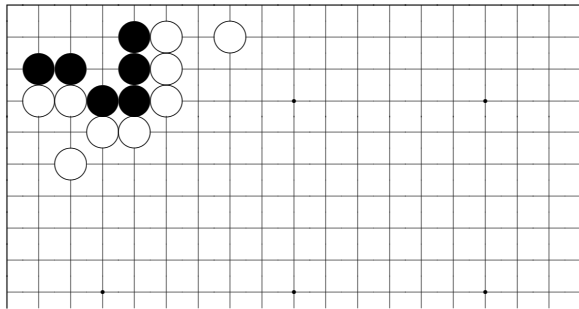


*Problem 570*

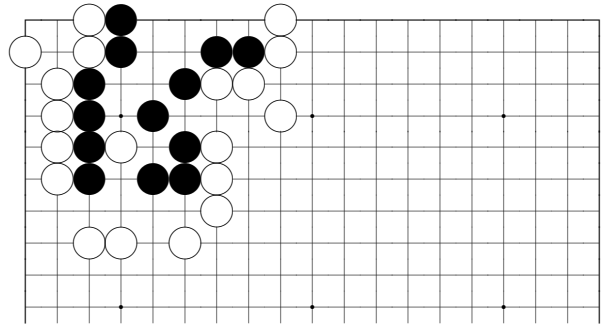


*Problem 574*

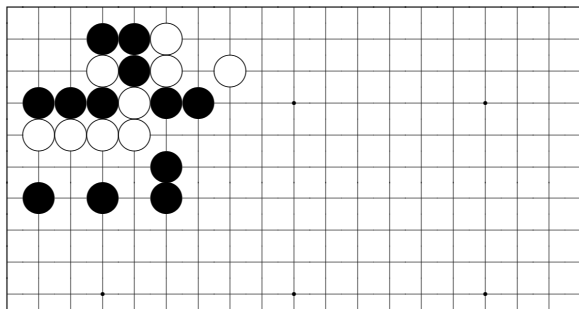




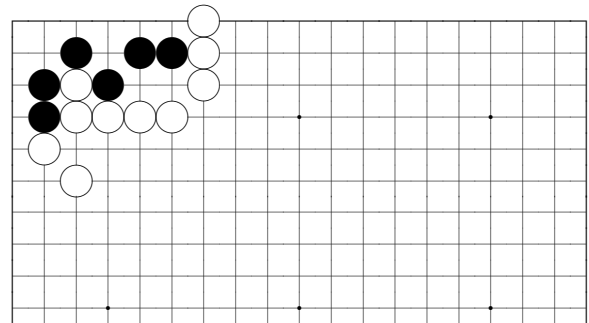
*Problem 583*



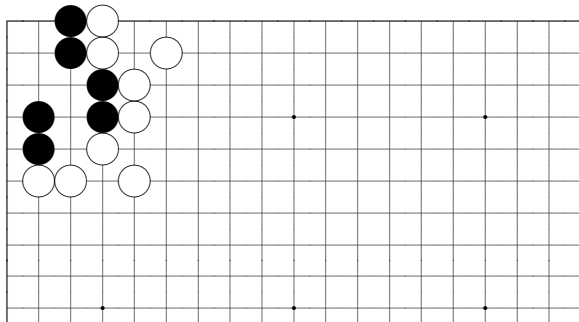
*Problem 587*



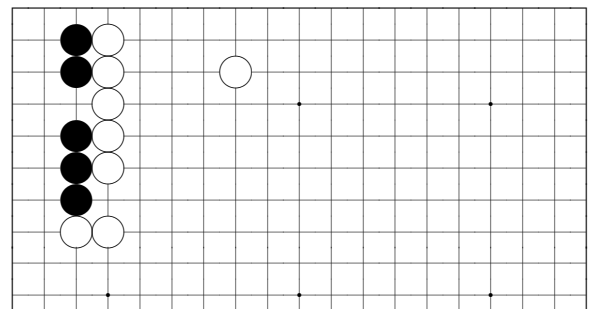
*Problem 584*



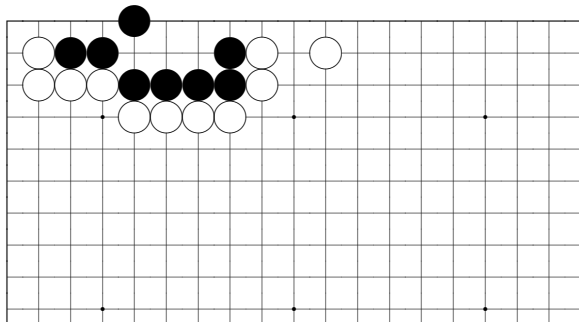
*Problem 588*



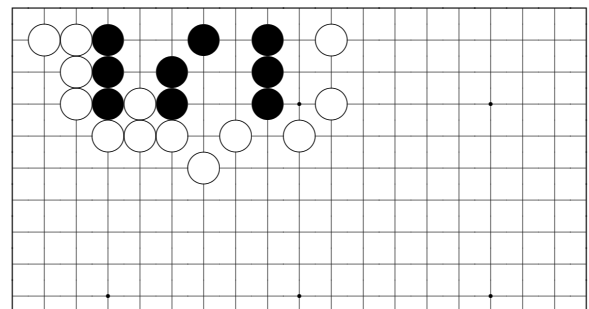
*Problem 585*



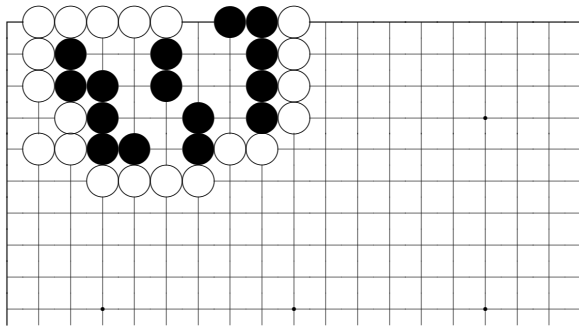
*Problem 589*



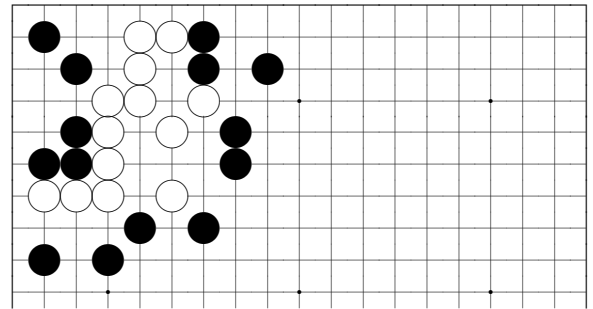
*Problem 586*



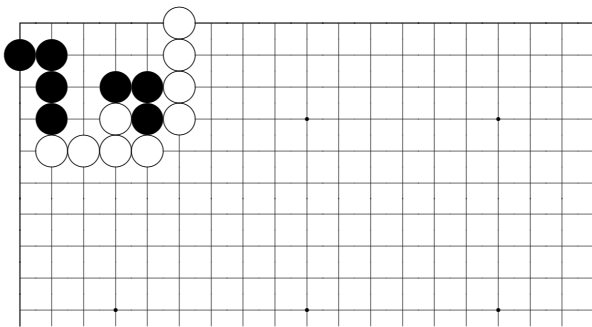
*Problem 590*



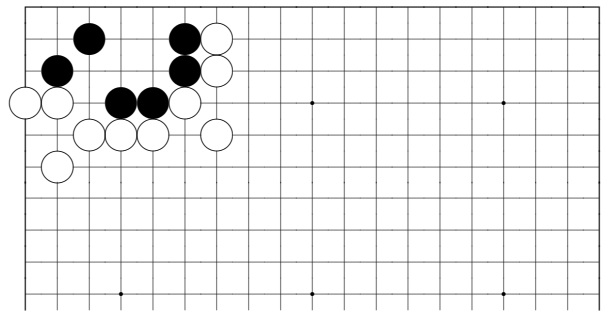
*Problem 591*



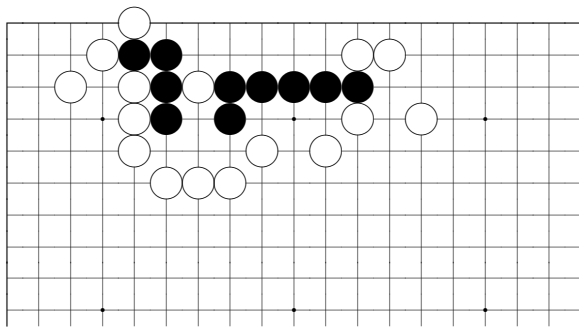
*Problem 595*



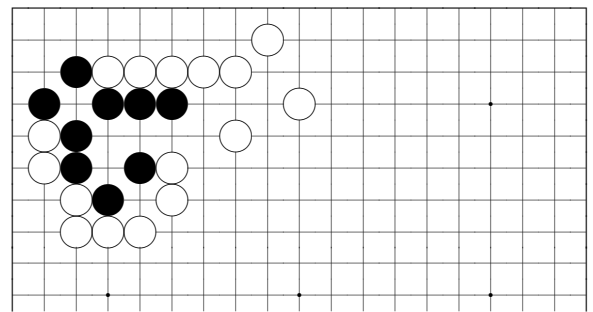
*Problem 592*



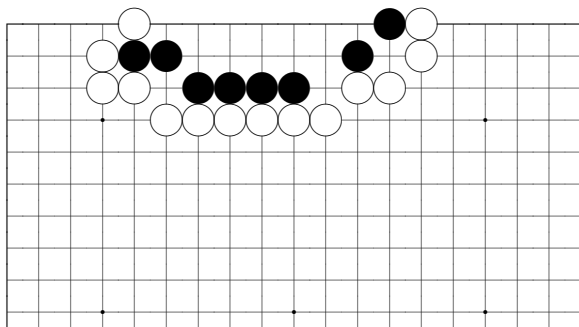
*Problem 596*



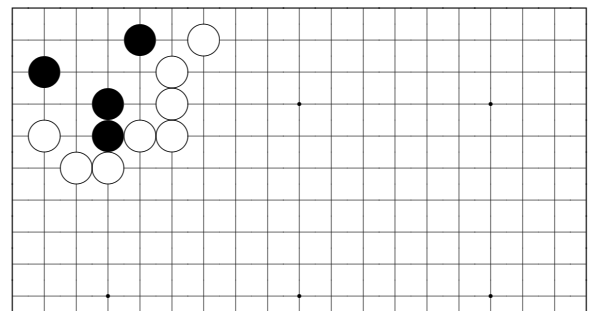
*Problem 593*



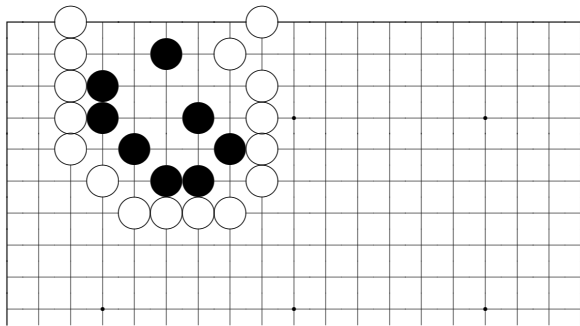
*Problem 597*



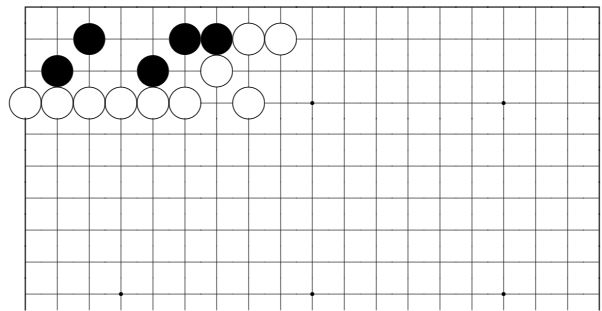
*Problem 594*



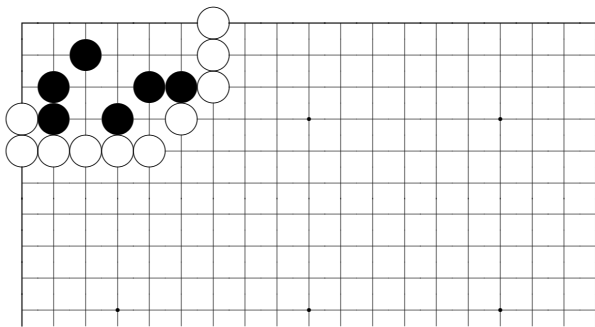
*Problem 598*



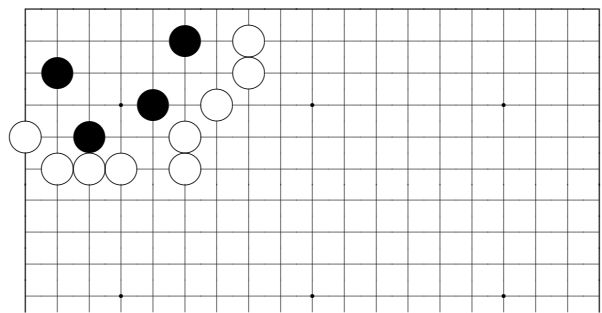
*Problem 599*



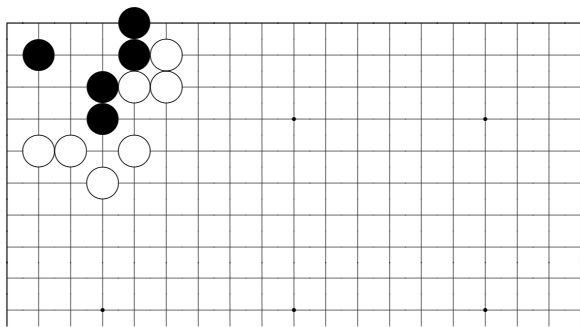
*Problem 603*



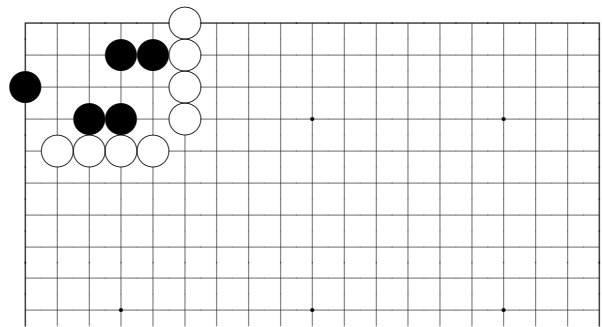
*Problem 600*



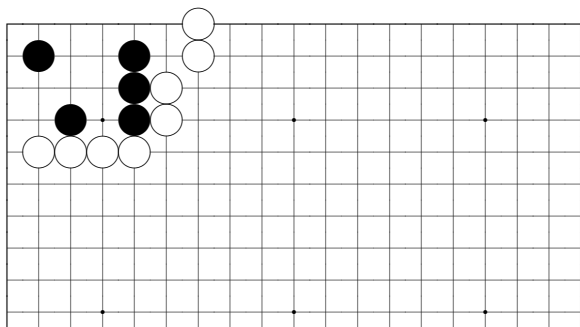
*Problem 604*



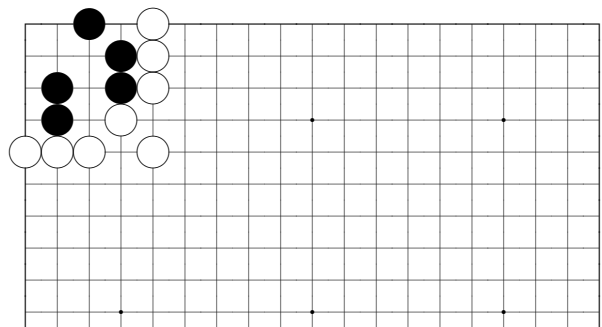
*Problem 601*



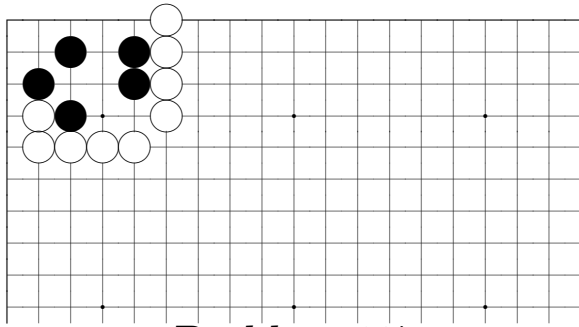
*Problem 605*



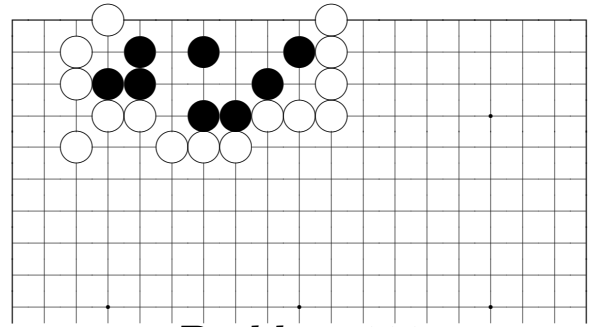
*Problem 602*



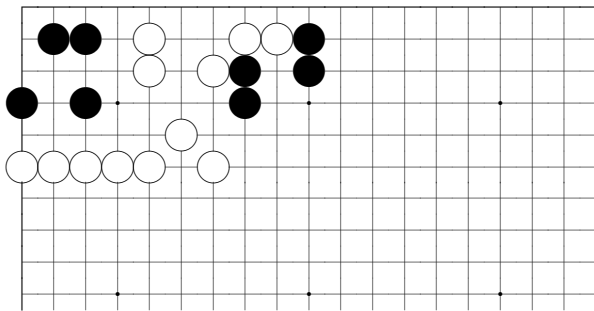
*Problem 606*



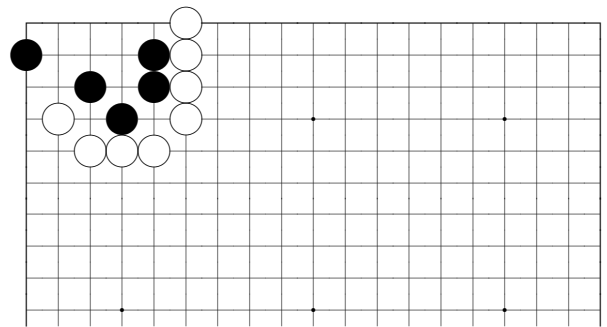
*Problem 607*



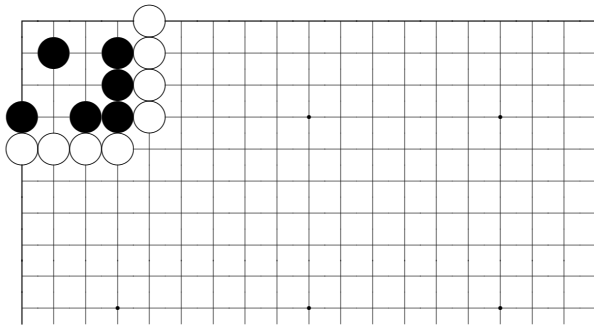
*Problem 611*



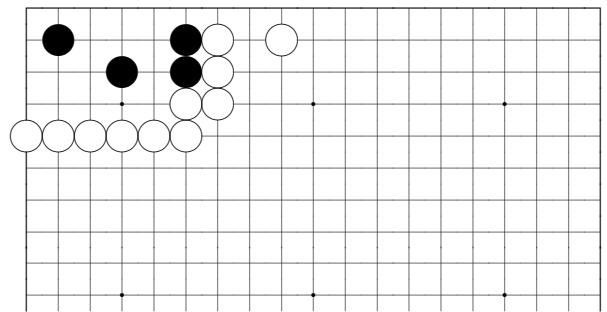
*Problem 608*



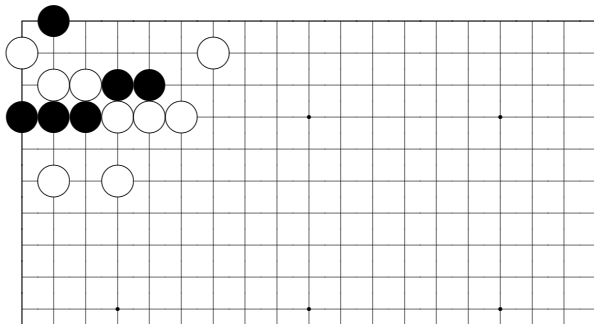
*Problem 612*



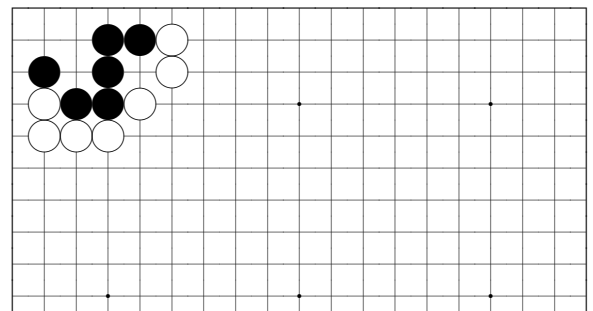
*Problem 609*



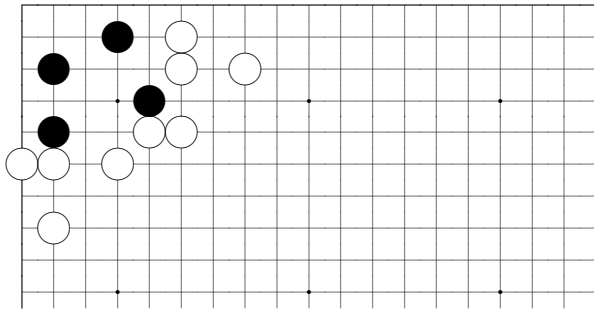
*Problem 613*



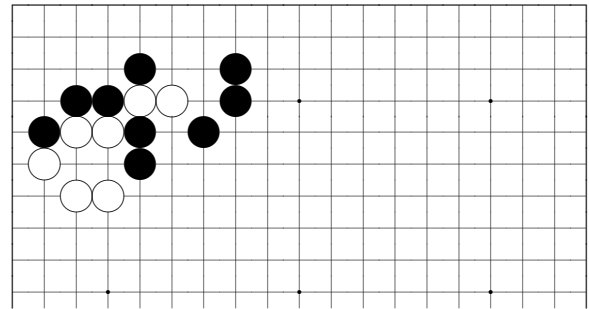
*Problem 610*



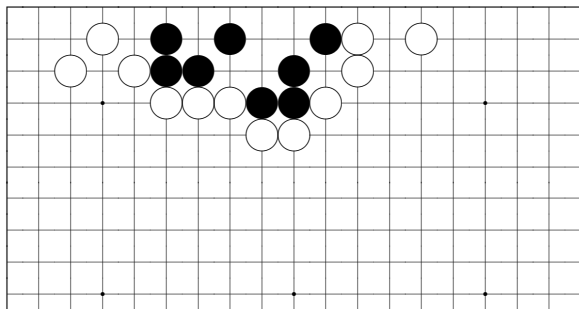
*Problem 614*



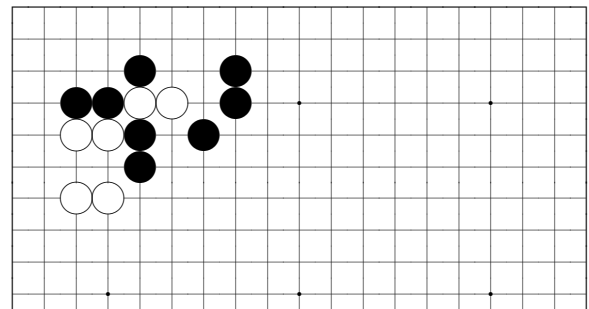
*Problem 615*



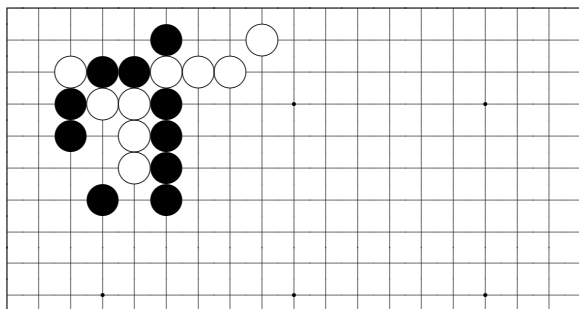
*Problem 619*



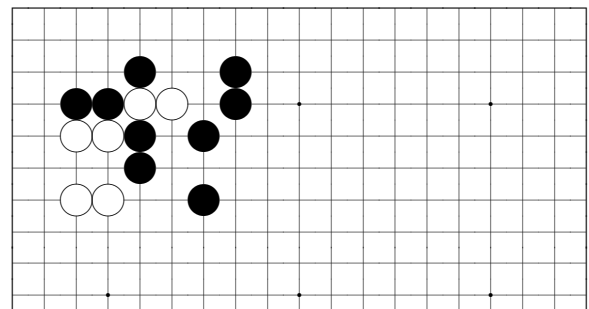
*Problem 616*



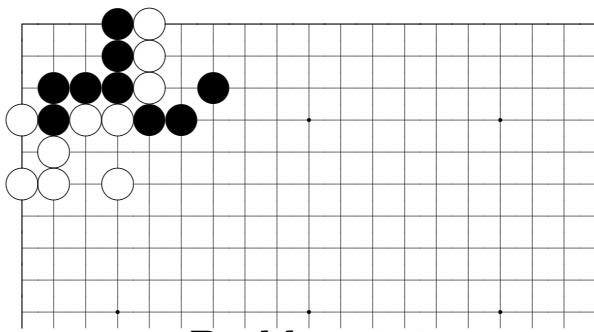
*Problem 620*



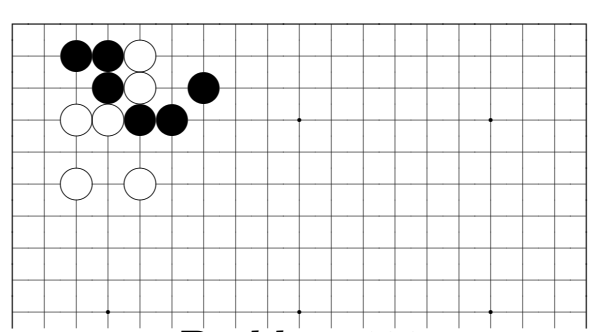
*Problem 617*



*Problem 621*

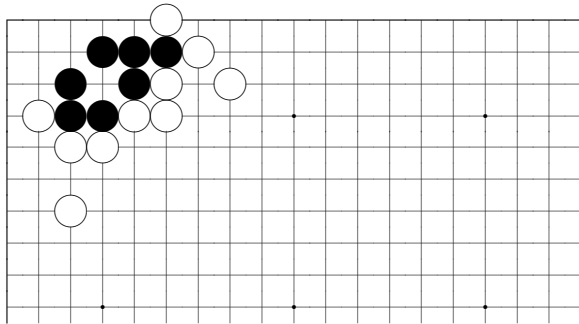


*Problem 618*

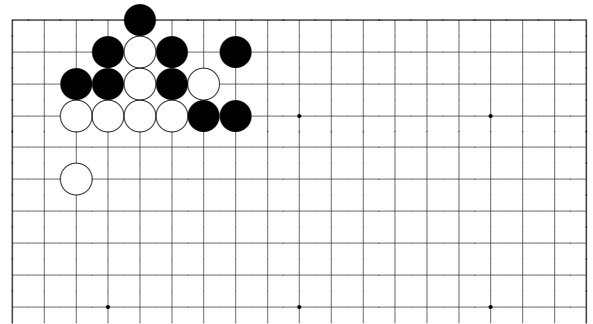


*Problem 622*

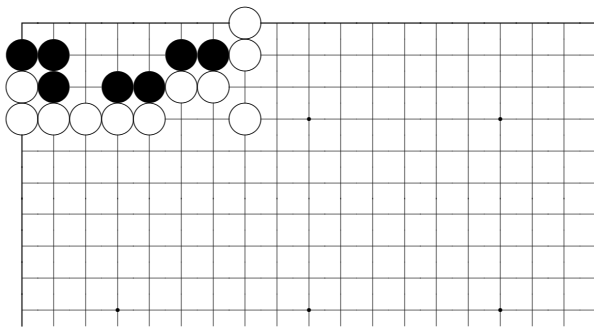




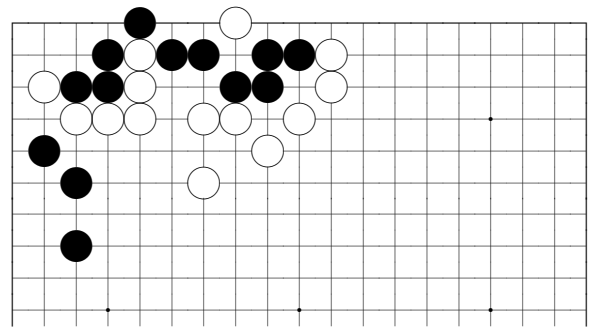
*Problem 623*



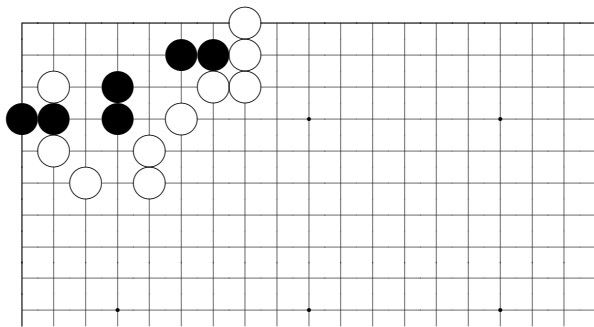
*Problem 627*



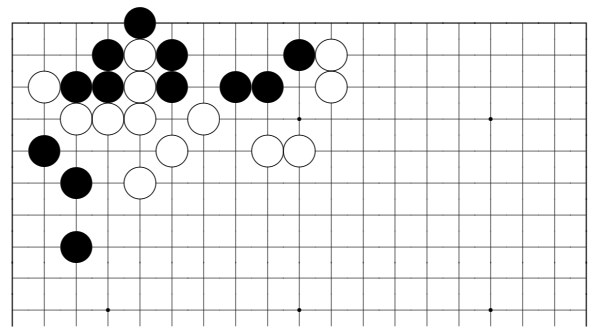
*Problem 624*



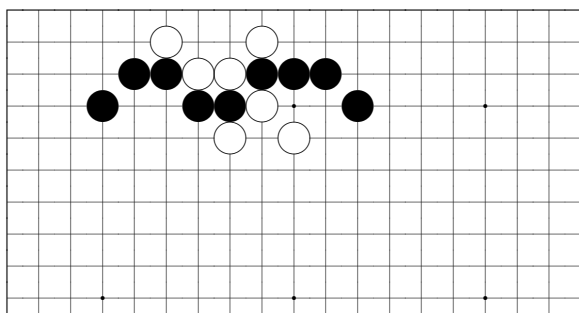
*Problem 628*



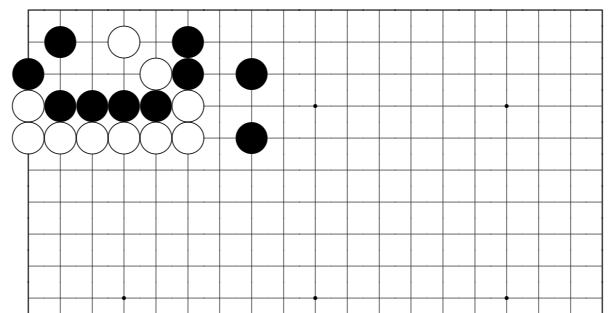
*Problem 625*



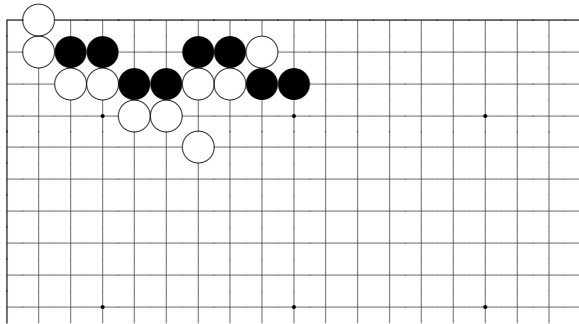
*Problem 629*



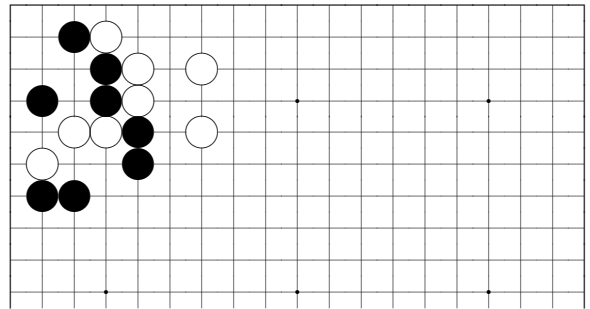
*Problem 626*



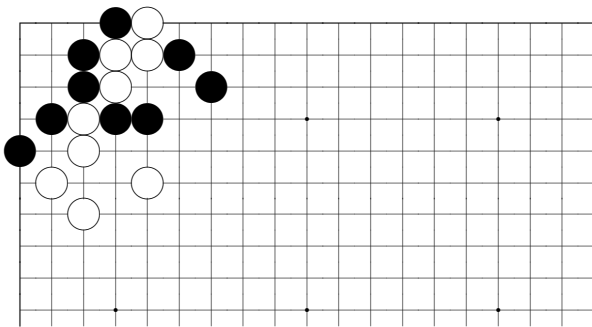
*Problem 630*



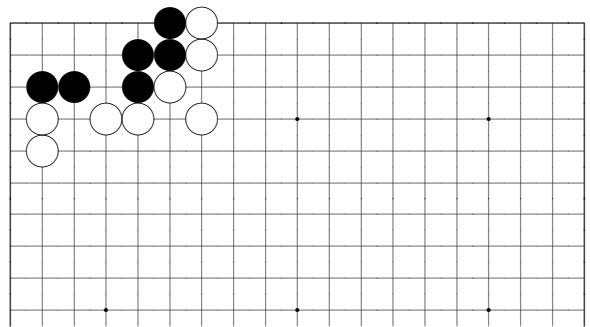
*Problem 631*



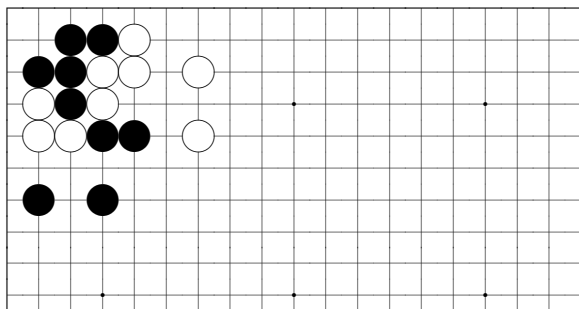
*Problem 635*



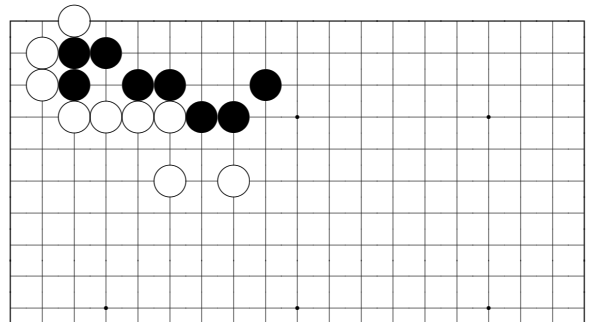
*Problem 632*



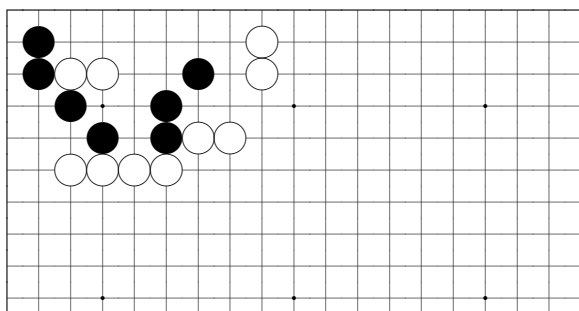
*Problem 636*



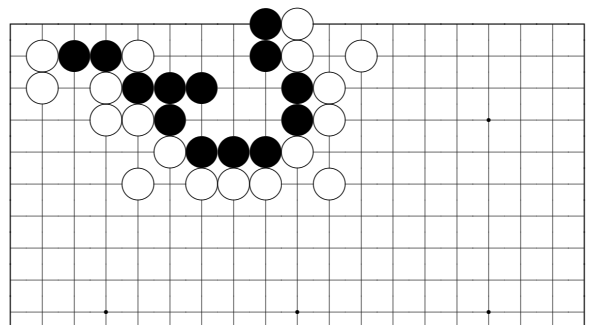
*Problem 633*



*Problem 637*

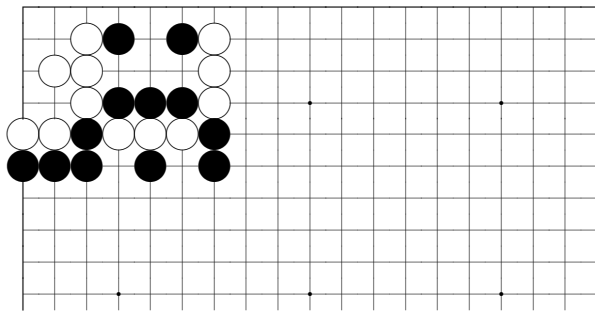


*Problem 634*

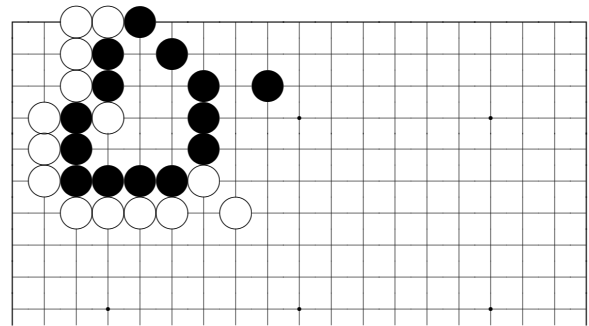


*Problem 638*

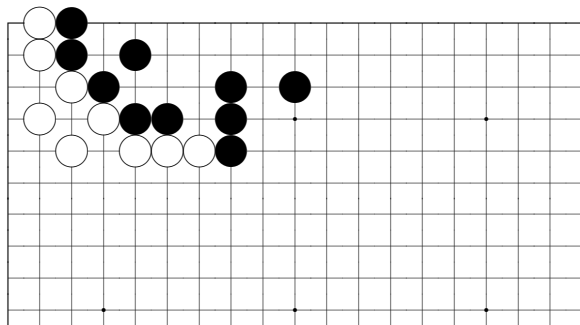




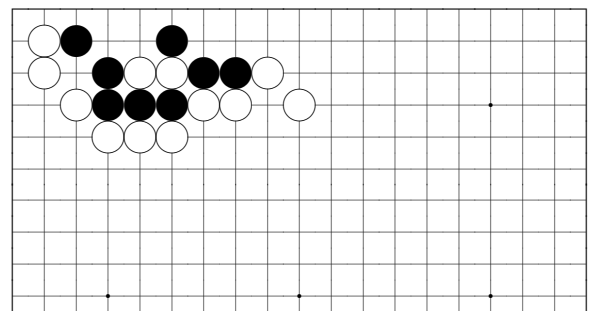
*Problem 647*



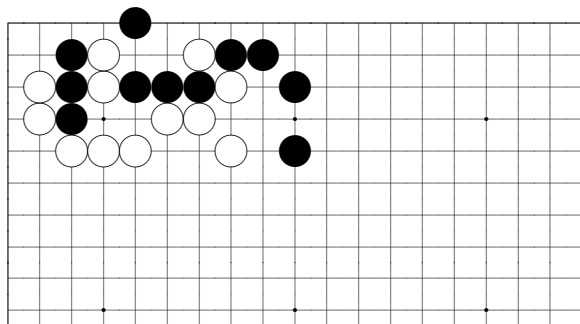
*Problem 651*



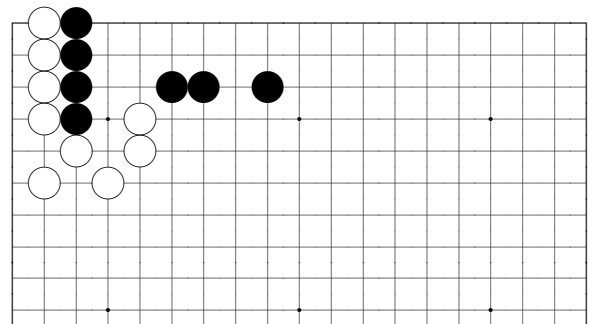
*Problem 648*



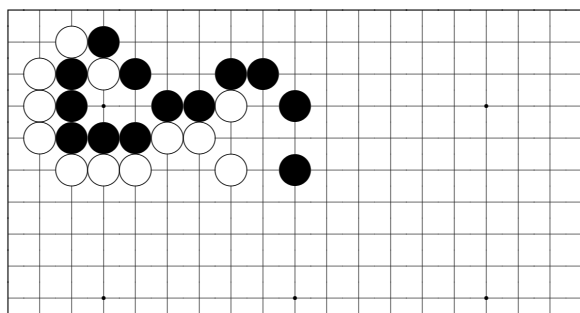
*Problem 652*



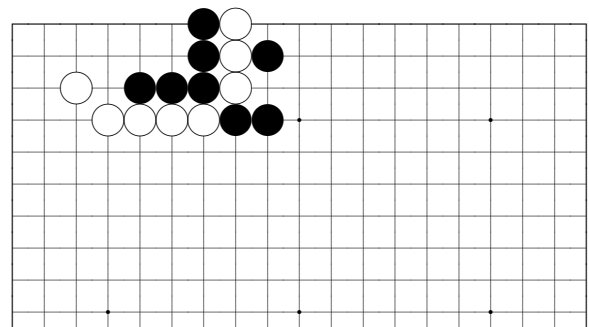
*Problem 649*



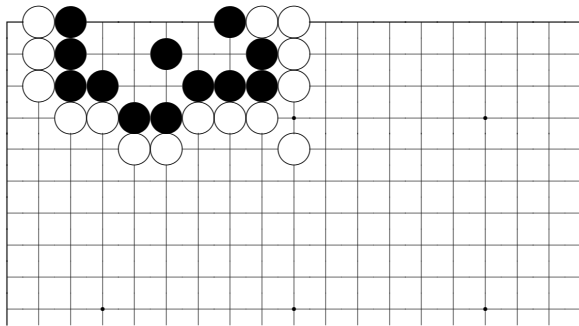
*Problem 653*



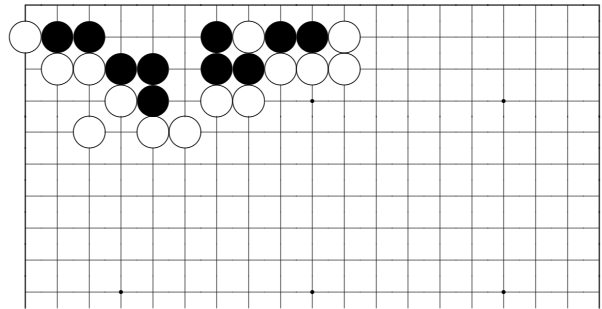
*Problem 650*



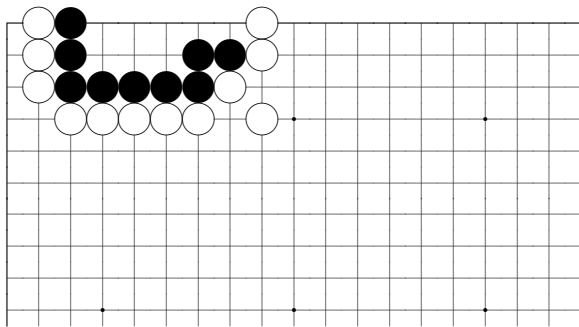
*Problem 654*



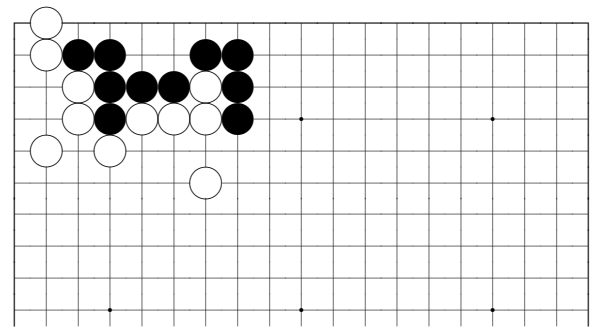
*Problem 655*



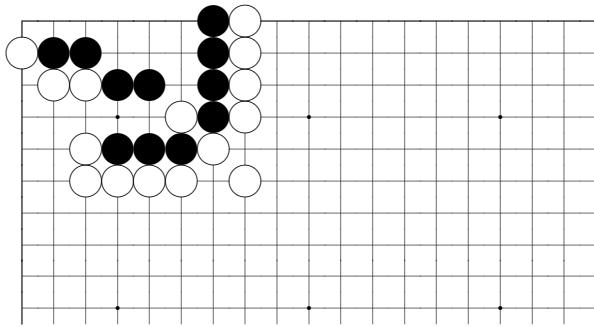
*Problem 659*



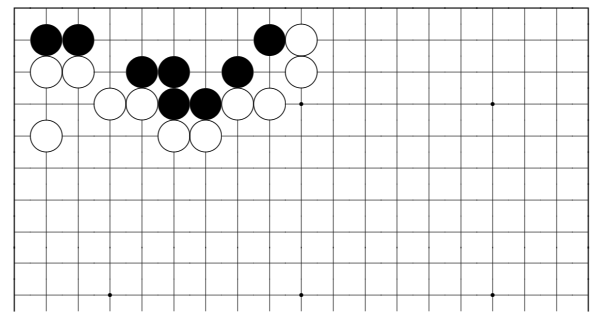
*Problem 656*



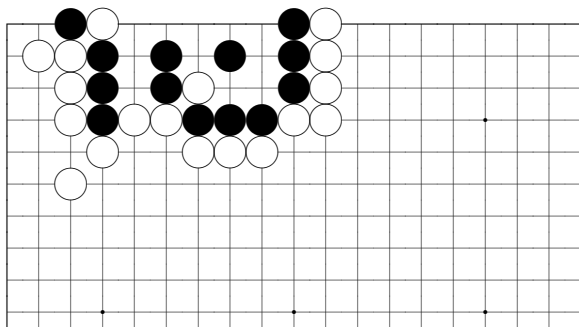
*Problem 660*



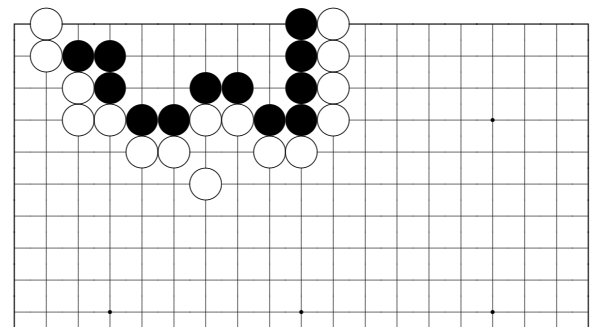
*Problem 657*



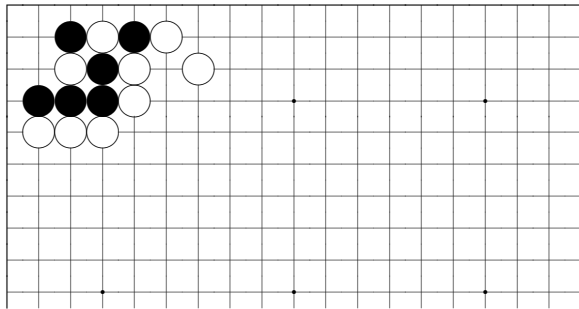
*Problem 661*



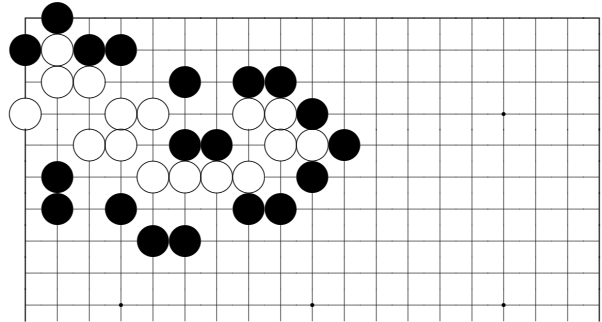
*Problem 658*



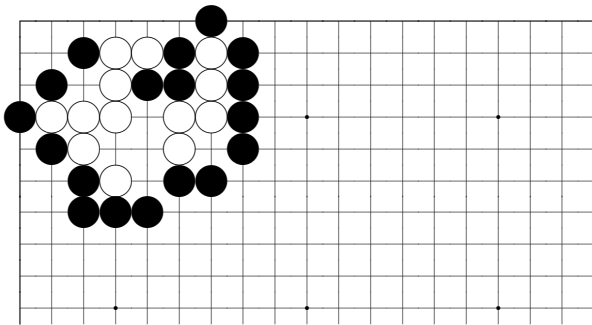
*Problem 662*



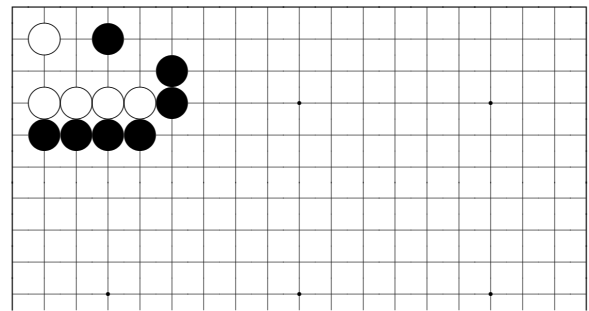
*Problem 663*



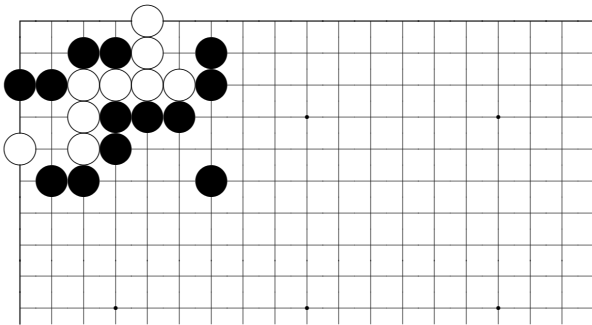
*Problem 667*



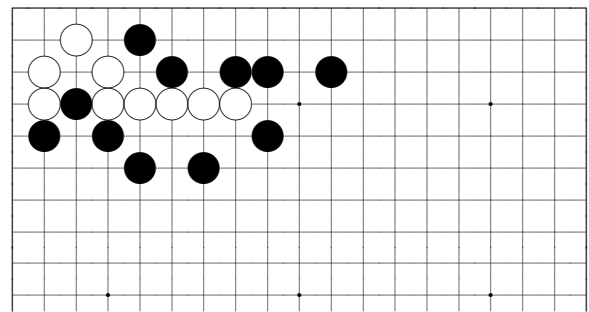
*Problem 664*



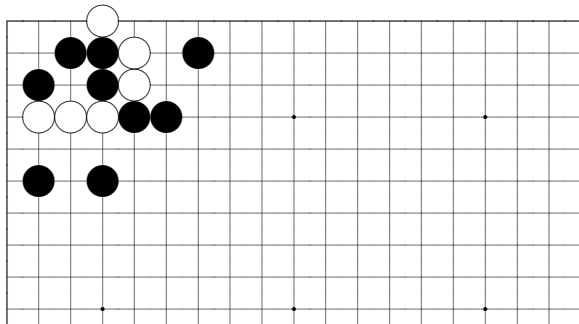
*Problem 668*



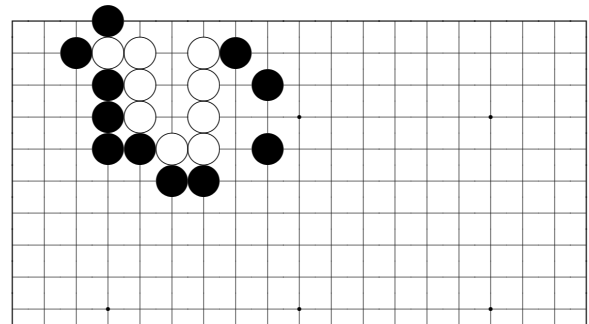
*Problem 665*



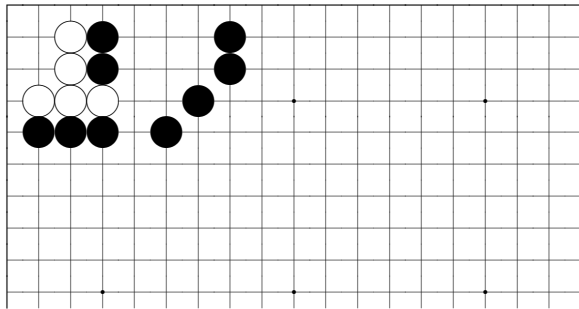
*Problem 669*



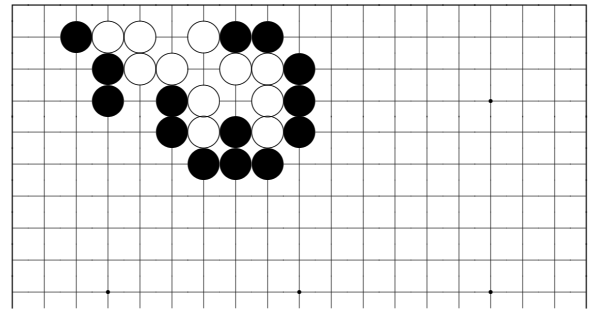
*Problem 666*



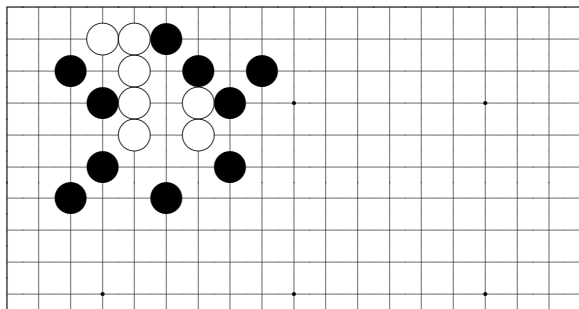
*Problem 670*



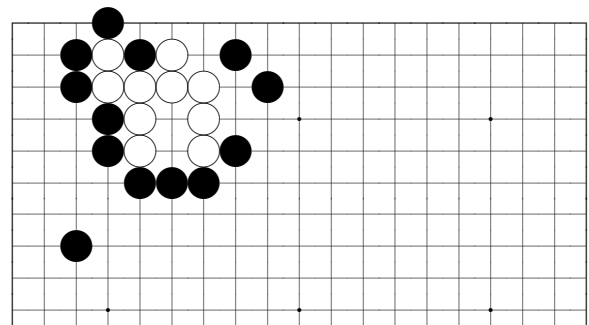
*Problem 671*



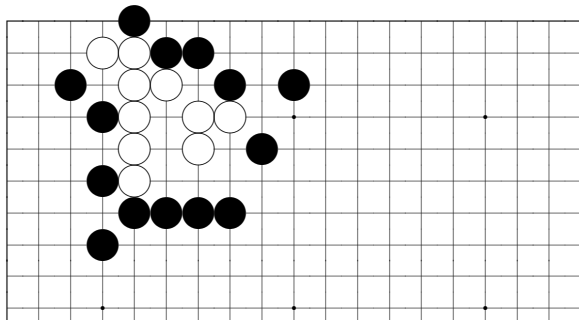
*Problem 675*



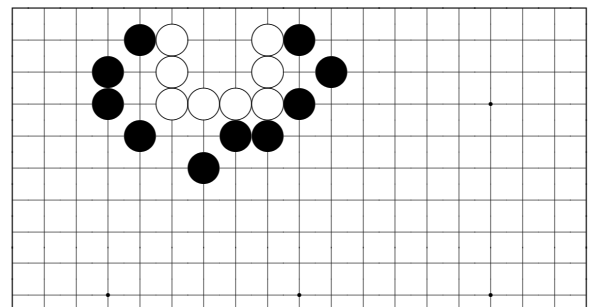
*Problem 672*



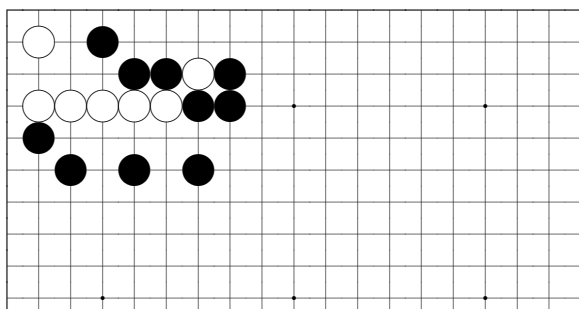
*Problem 676*



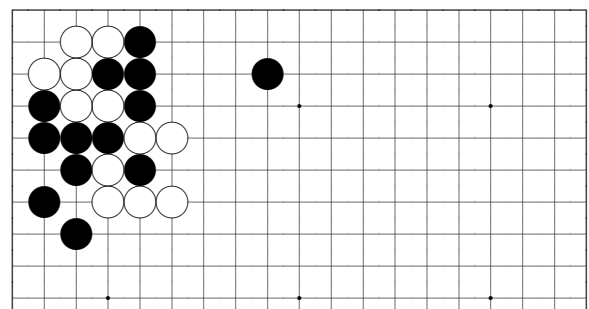
*Problem 673*



*Problem 677*



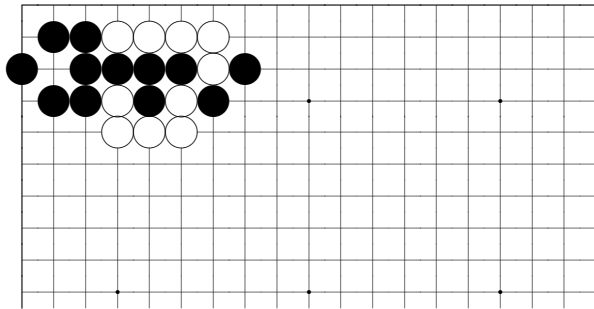
*Problem 674*



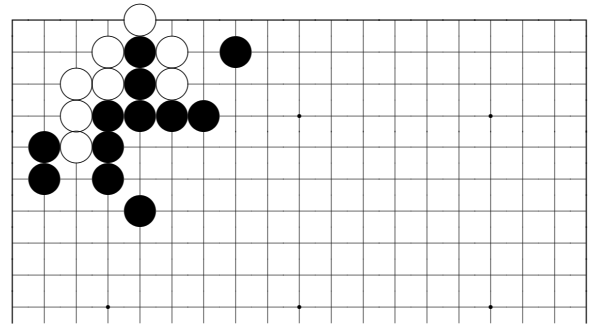
*Problem 678*



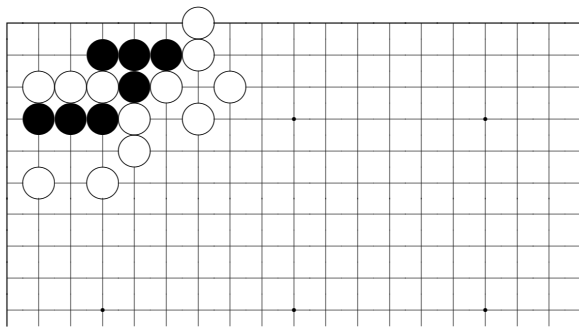




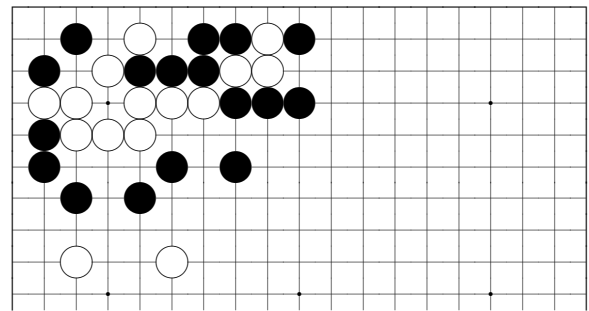
*Problem 687*



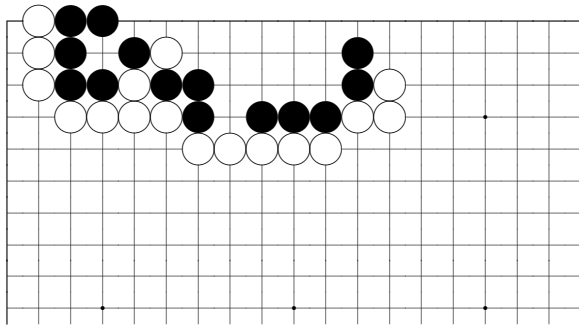
*Problem 691*



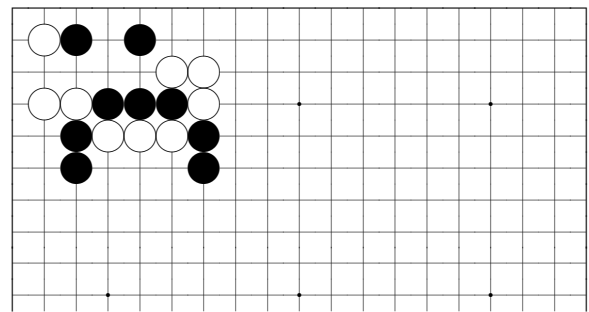
*Problem 688*



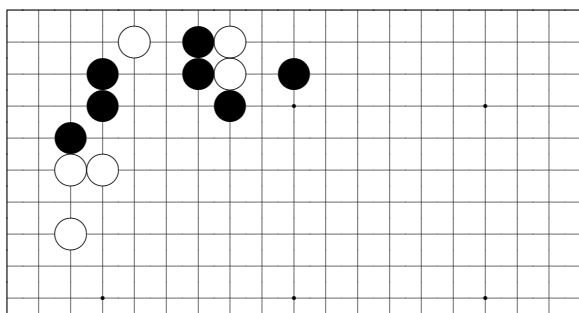
*Problem 692*



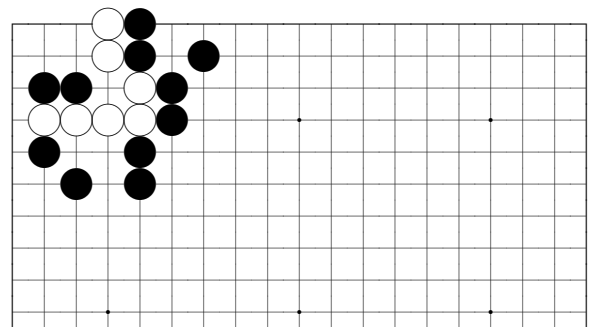
*Problem 689*



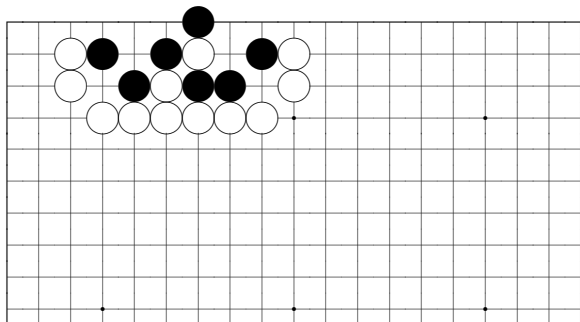
*Problem 693*



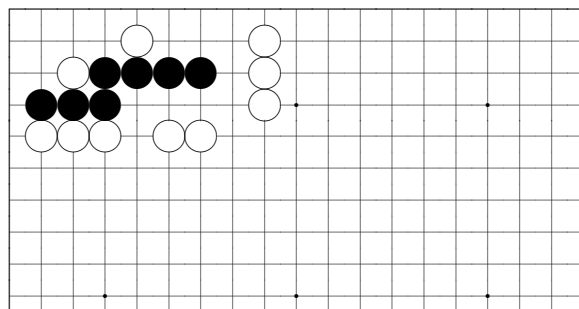
*Problem 690*



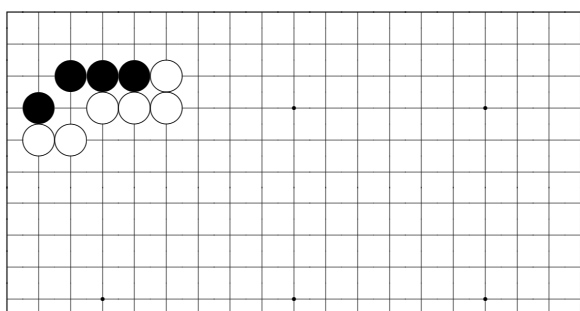
*Problem 694*



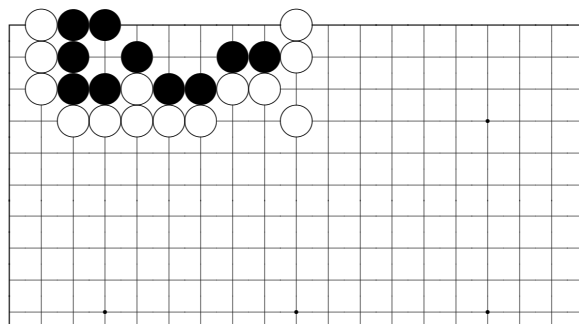
*Problem 695*



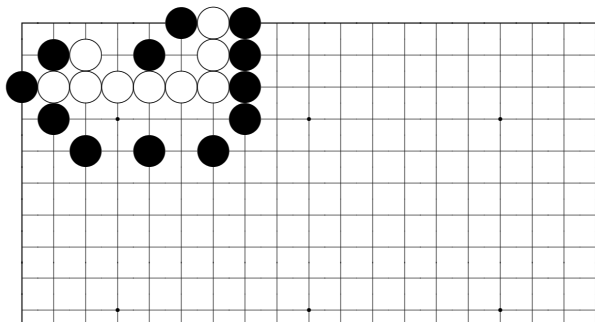
*Problem 699*



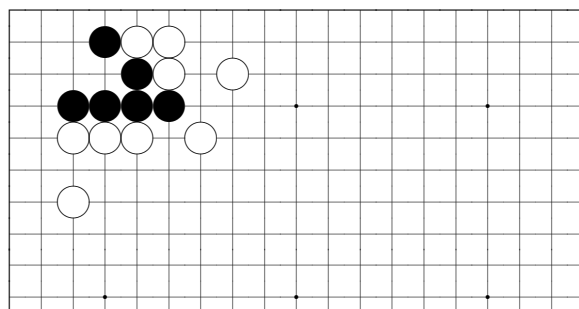
*Problem 696*



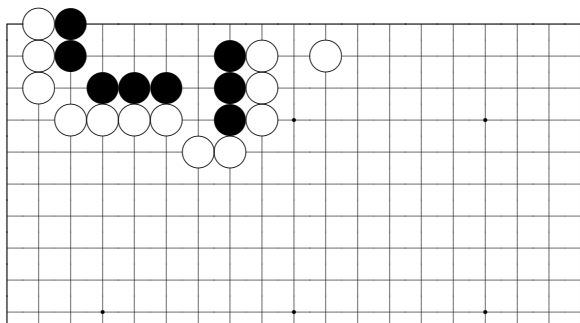
*Problem 700*



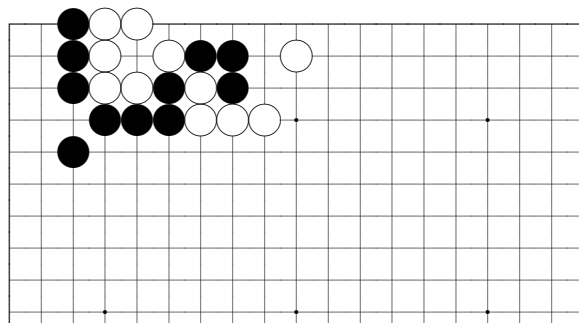
*Problem 697*



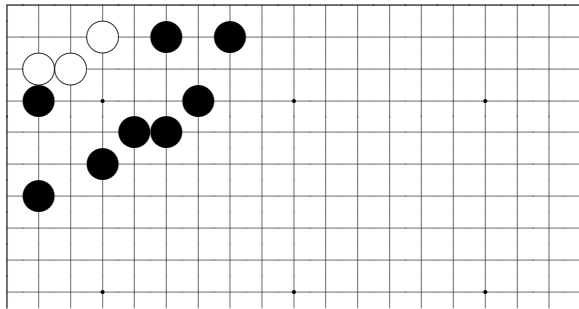
*Problem 701*



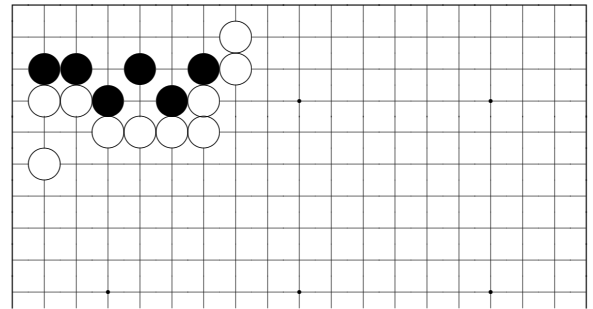
*Problem 698*



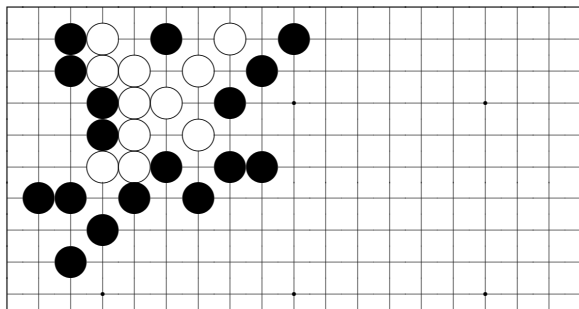
*Problem 702*



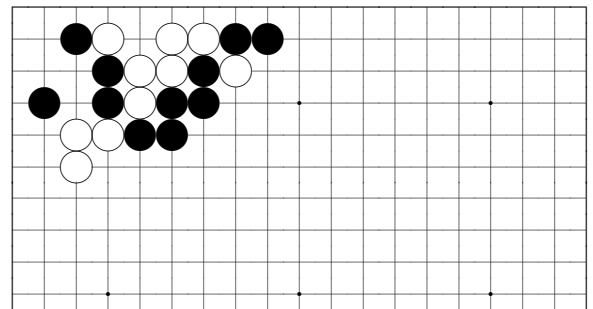
*Problem 703*



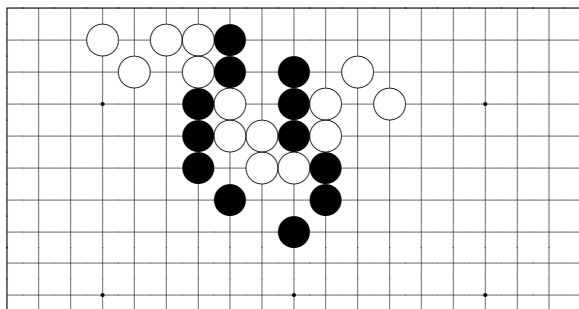
*Problem 707*



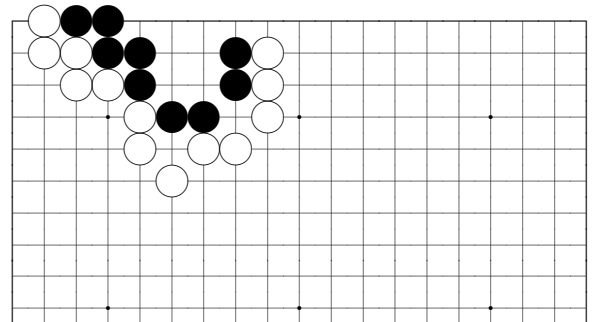
*Problem 704*



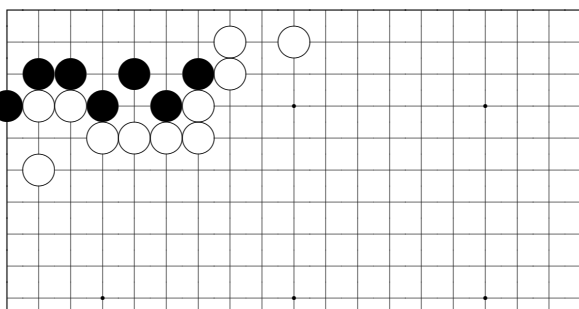
*Problem 708*



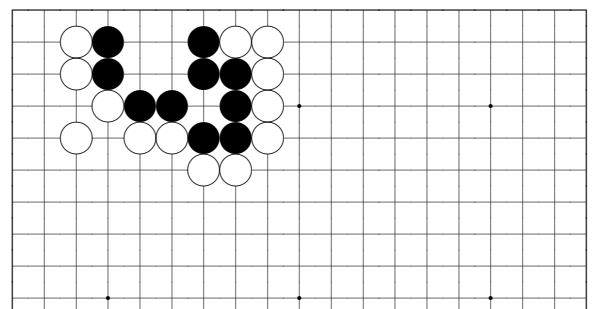
*Problem 705*



*Problem 709*

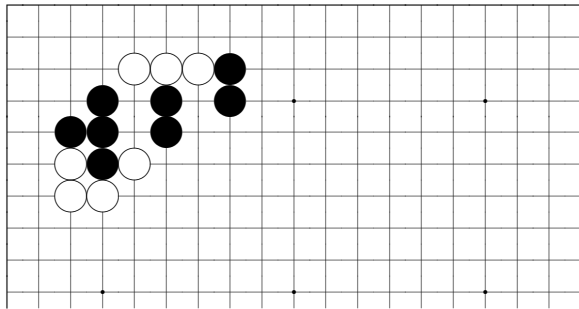


*Problem 706*

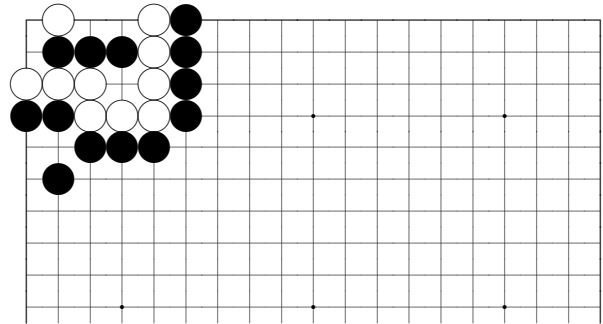


*Problem 710*

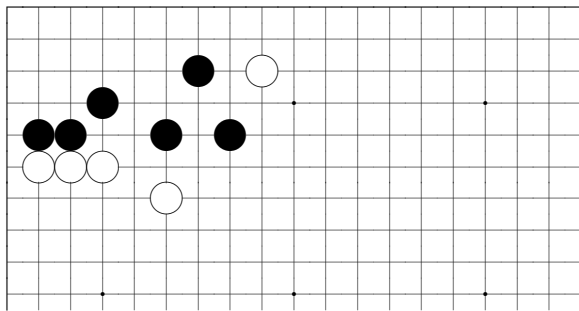




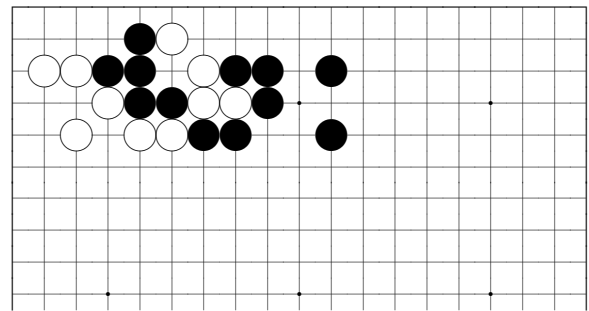
*Problem 719*



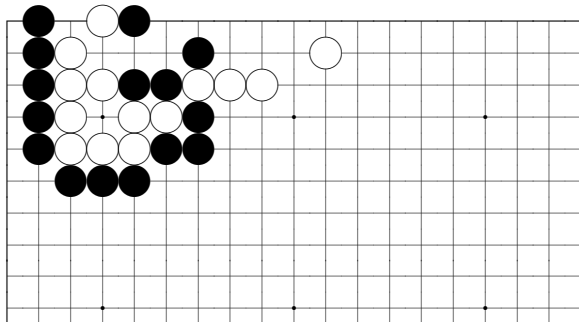
*Problem 723*



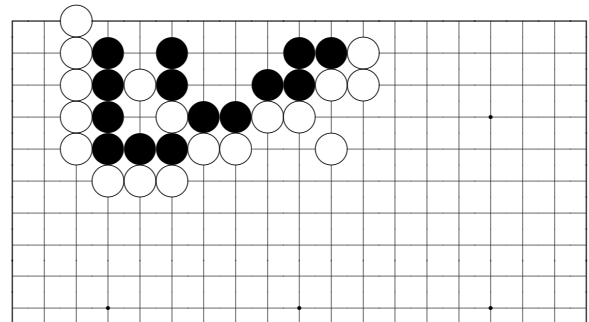
*Problem 720*



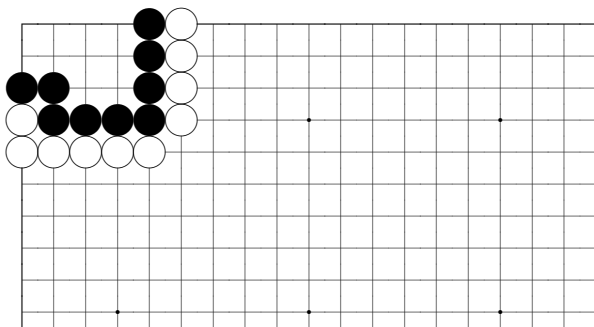
*Problem 724*



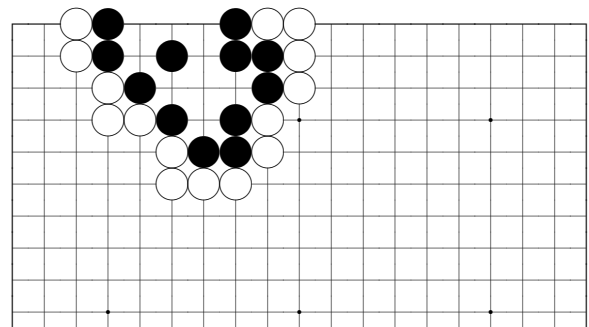
*Problem 721*



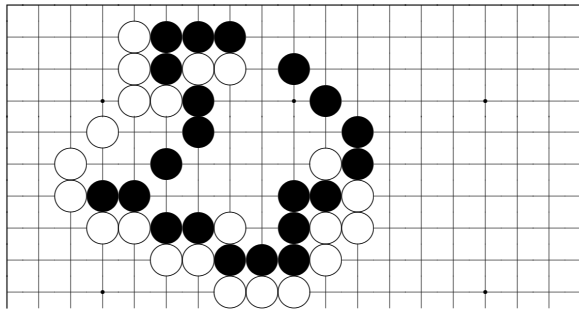
*Problem 725*



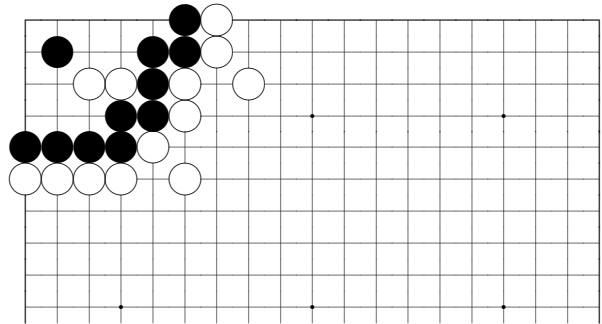
*Problem 722*



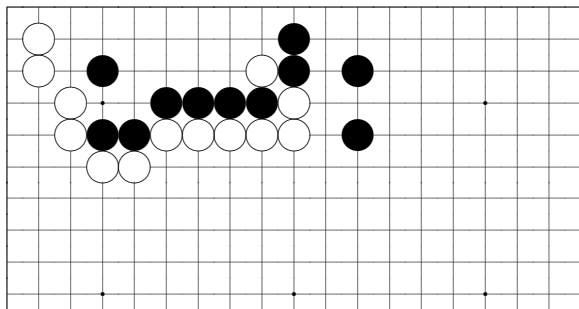
*Problem 726*



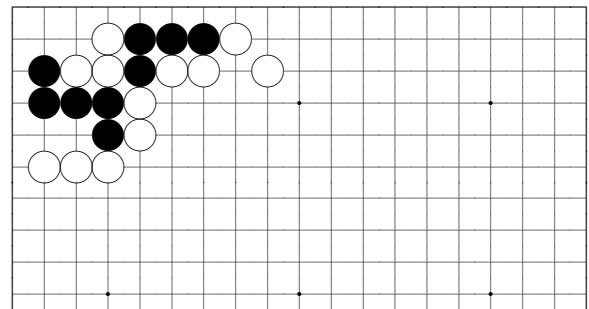
*Problem 727*



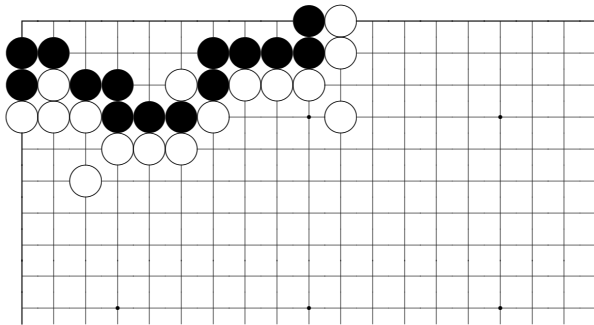
*Problem 731*



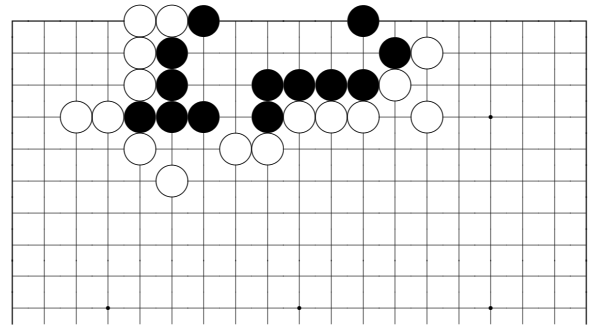
*Problem 728*



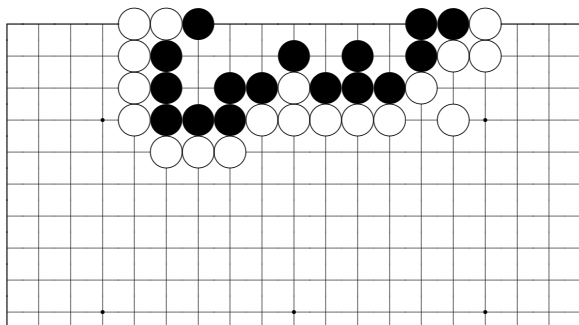
*Problem 732*



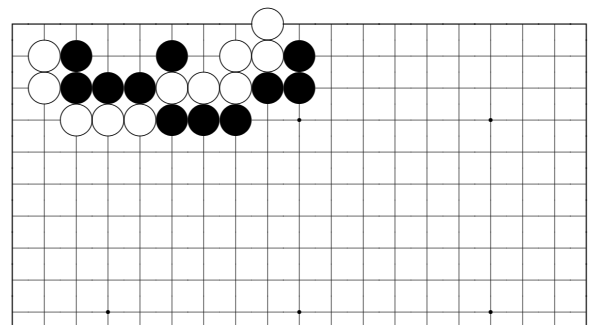
*Problem 729*



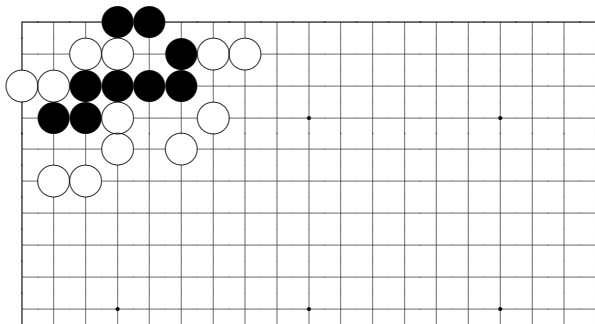
*Problem 733*



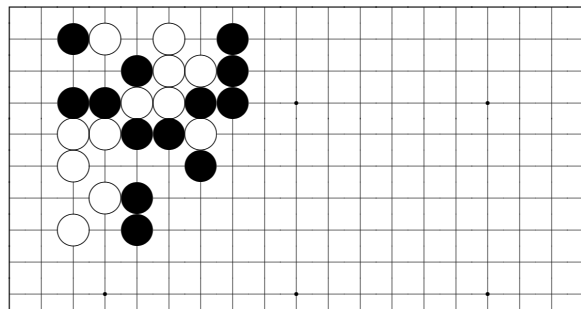
*Problem 730*



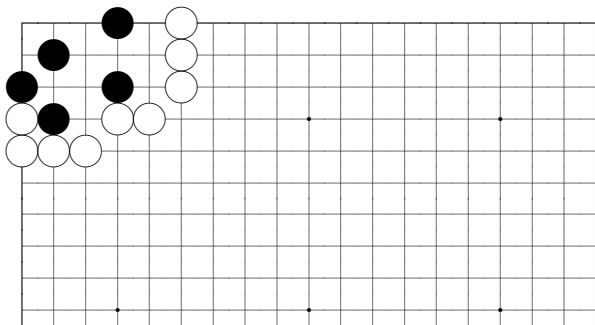
*Problem 734*



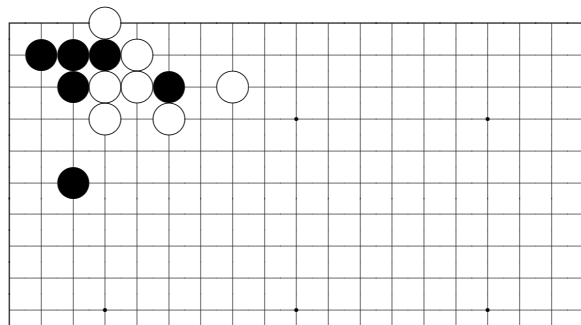
*Problem 735*



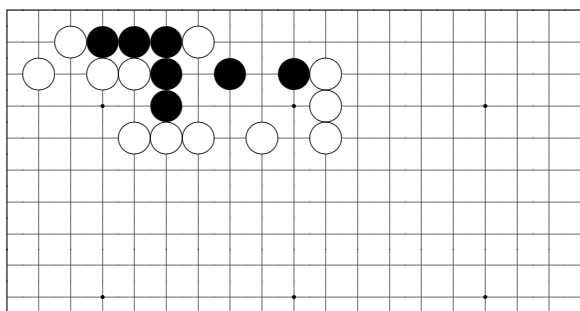
*Problem 739*



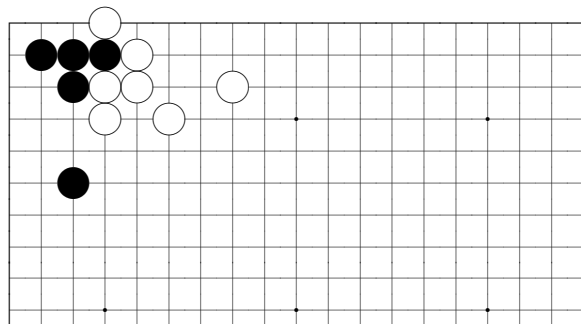
*Problem 736*



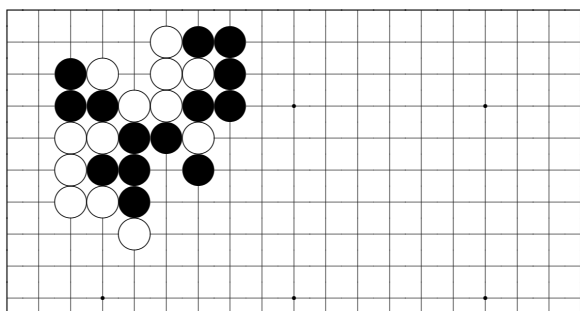
*Problem 740*



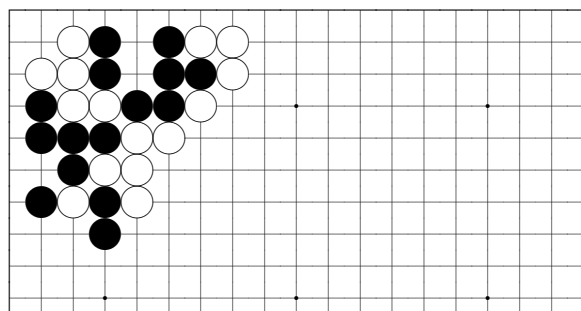
*Problem 737*



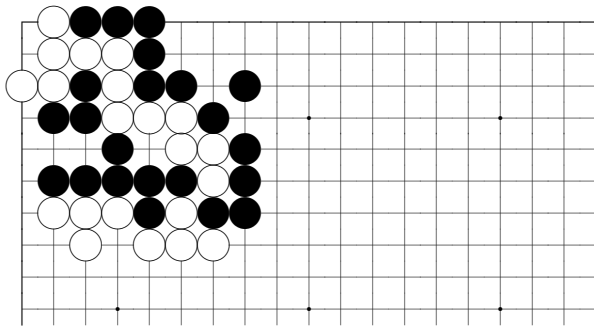
*Problem 741*



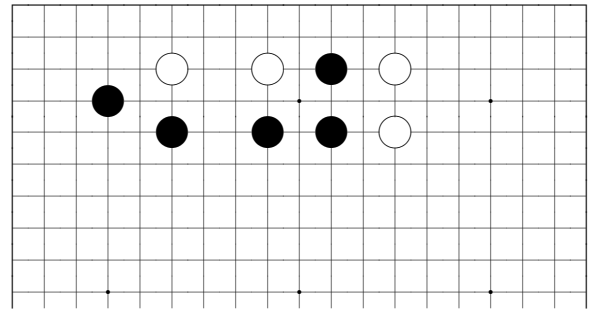
*Problem 738*



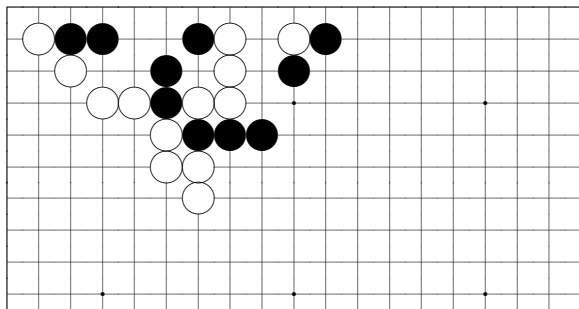
*Problem 742*



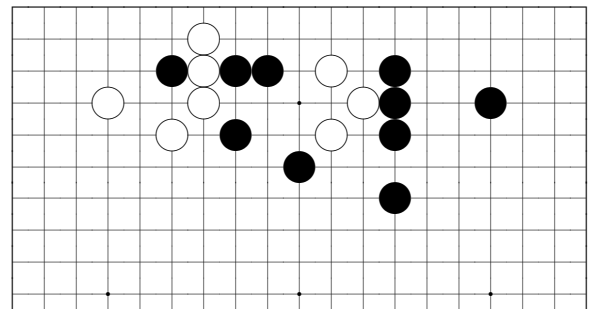
*Problem 743*



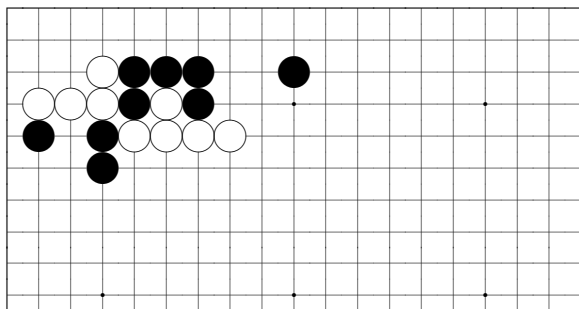
*Problem 747*



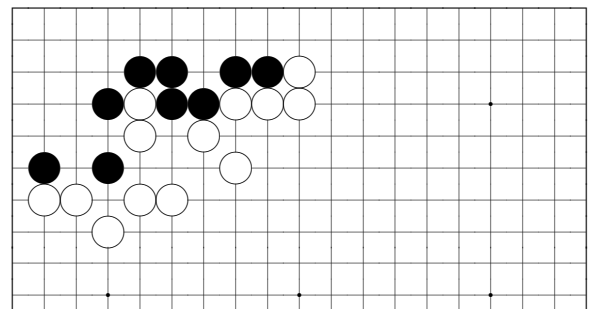
*Problem 744*



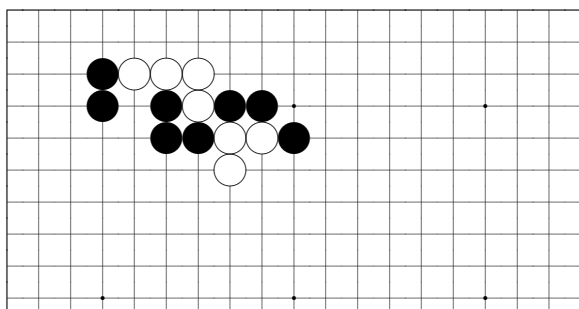
*Problem 748*



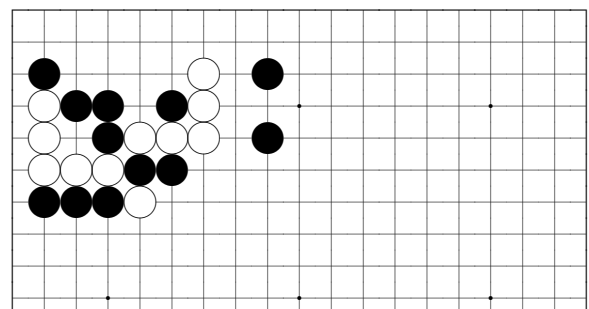
*Problem 745*



*Problem 749*

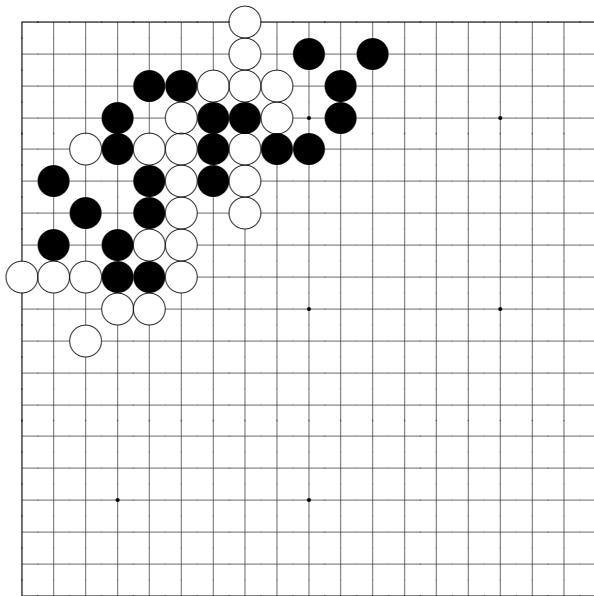


*Problem 746*

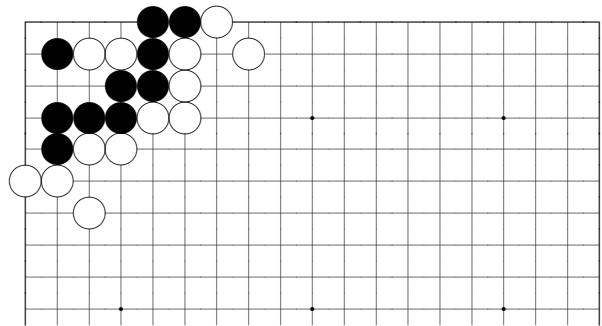


*Problem 750*

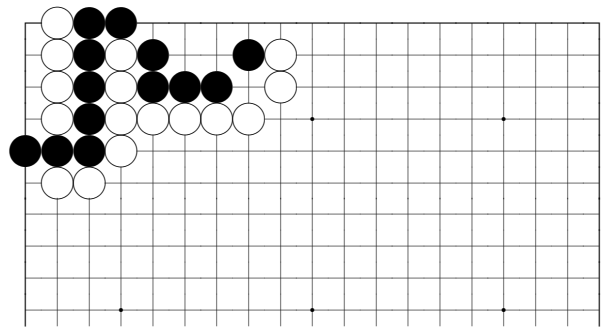




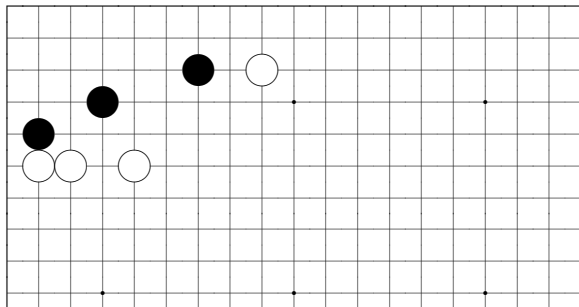
*Problem 751*



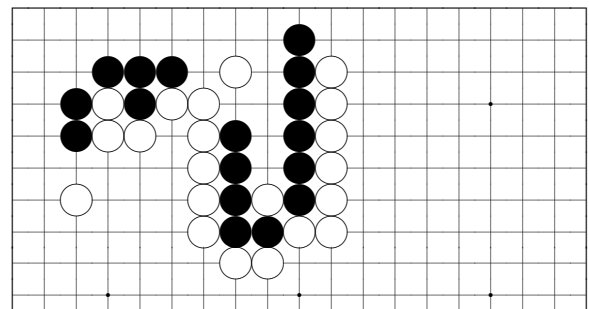
*Problem 754*



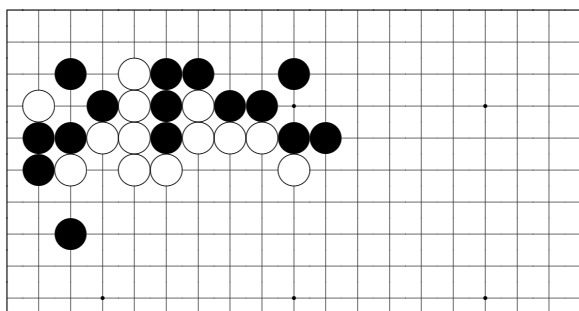
*Problem 755*



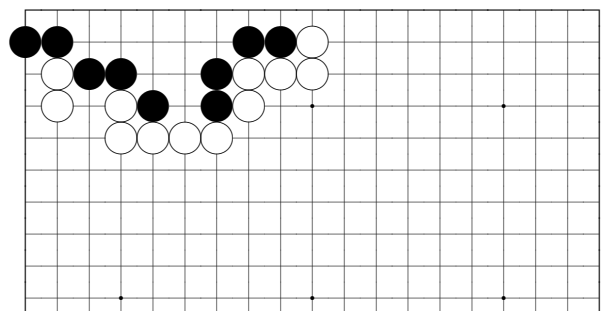
*Problem 752*



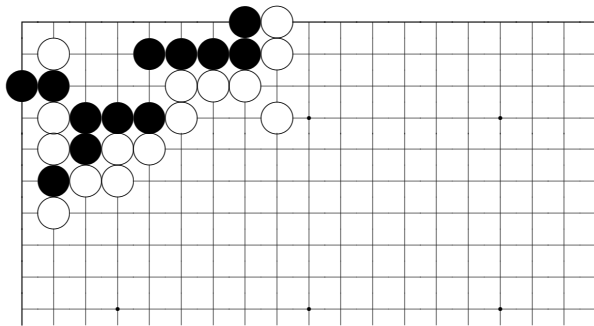
*Problem 756*



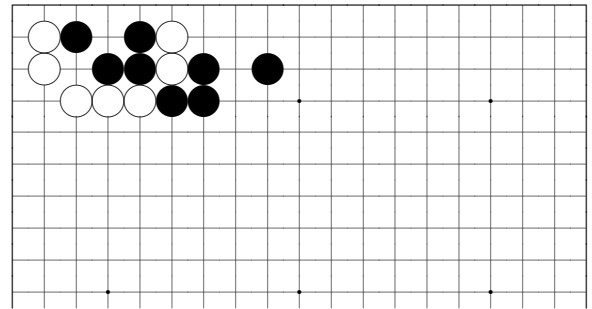
*Problem 753*



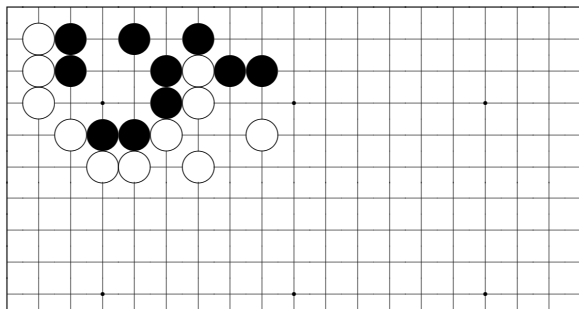
*Problem 757*



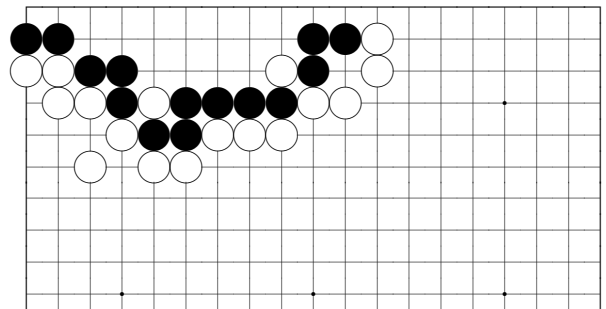
*Problem 758*



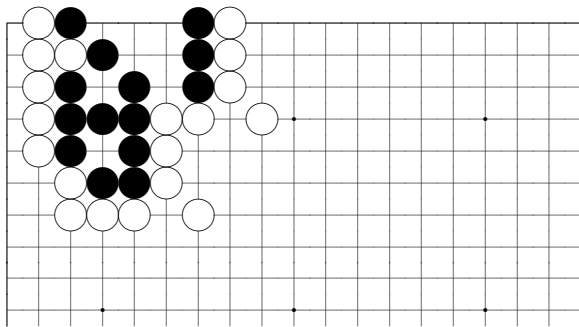
*Problem 762*



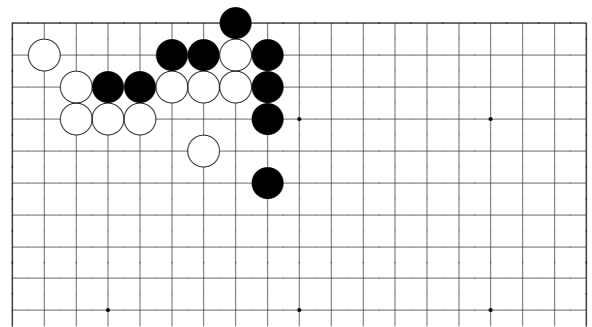
*Problem 759*



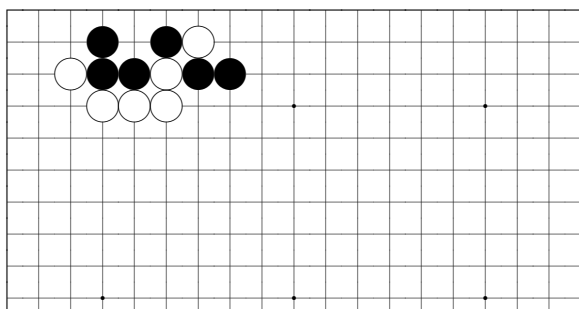
*Problem 763*



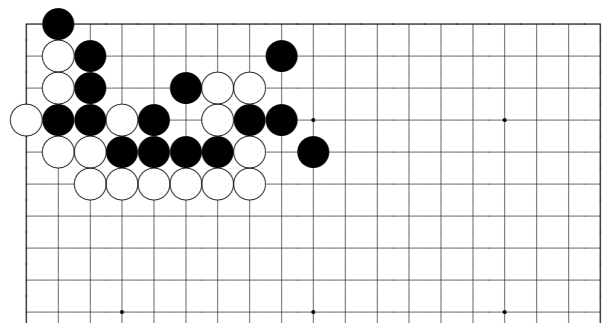
*Problem 760*



*Problem 764*

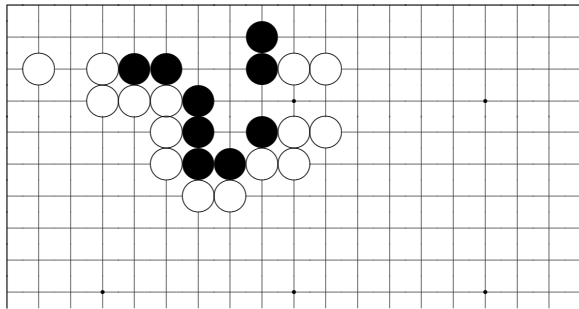


*Problem 761*

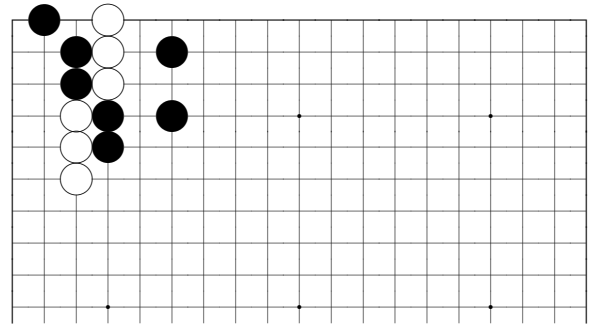


*Problem 765*

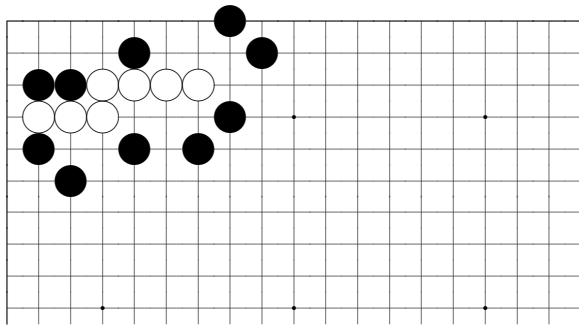




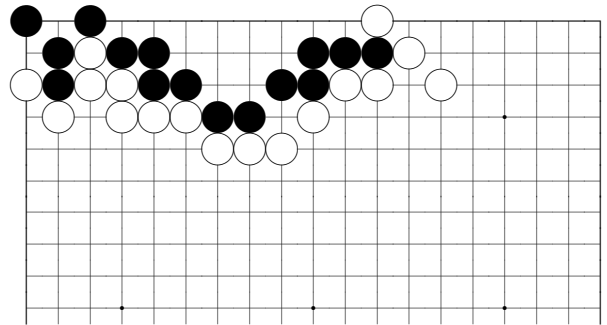
*Problem 774*



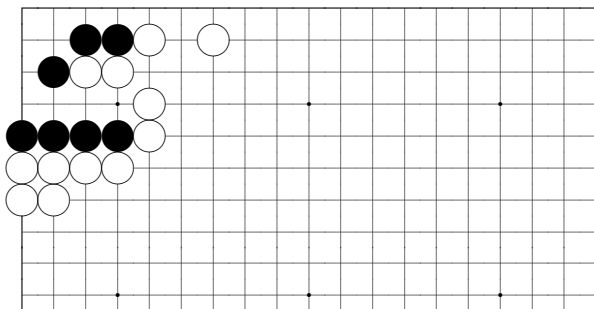
*Problem 778*



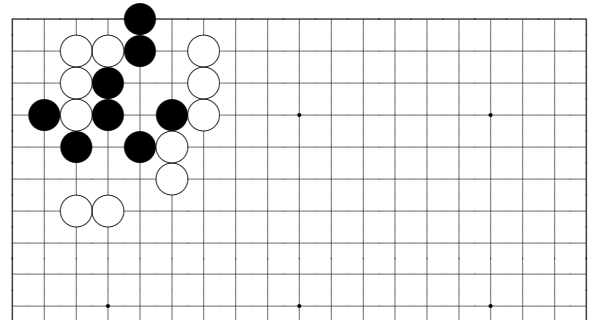
*Problem 775*



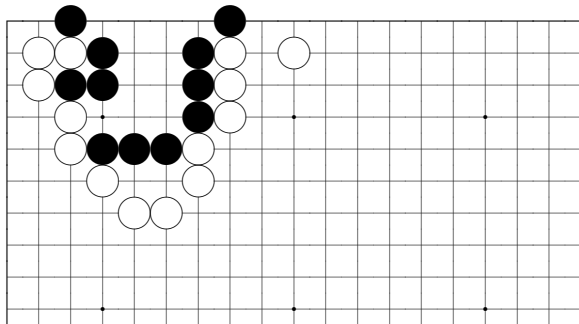
*Problem 779*



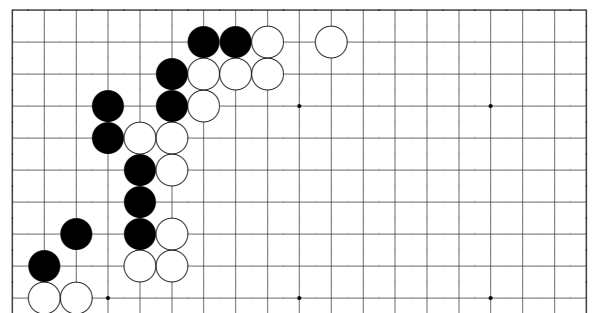
*Problem 776*



*Problem 780*

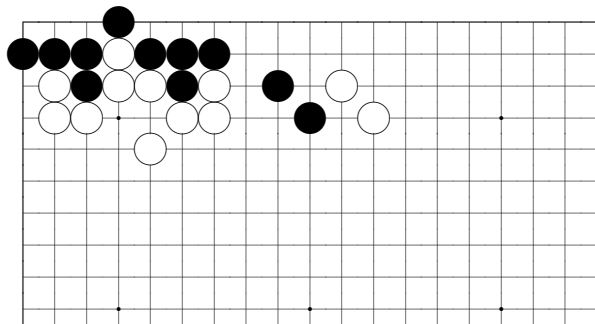


*Problem 777*

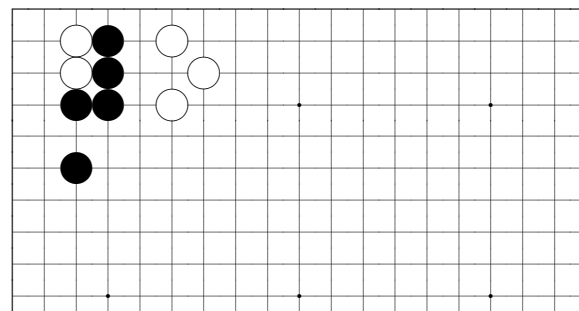


*Problem 781*

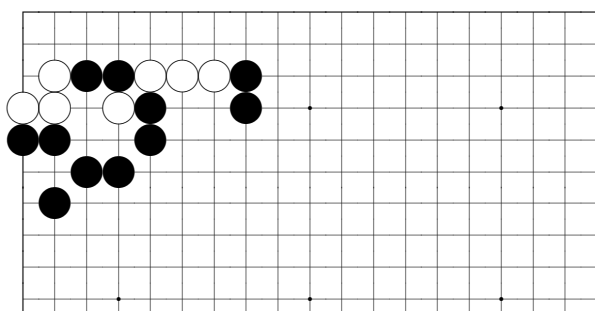




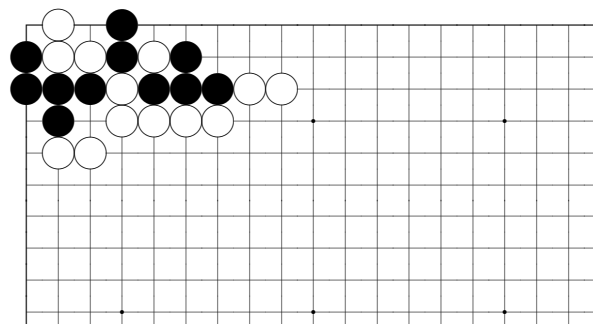
*Problem 790*



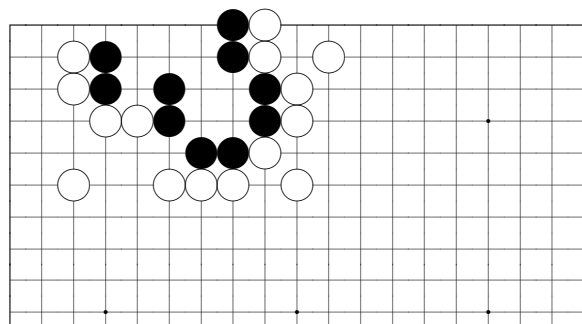
*Problem 794*



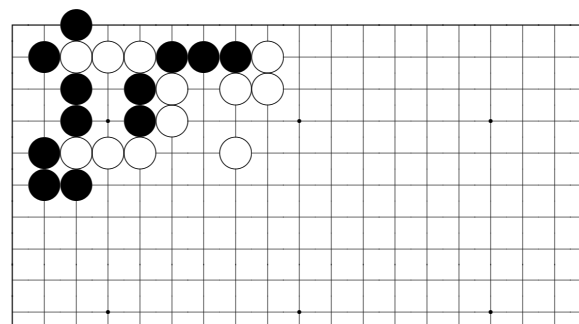
*Problem 791*



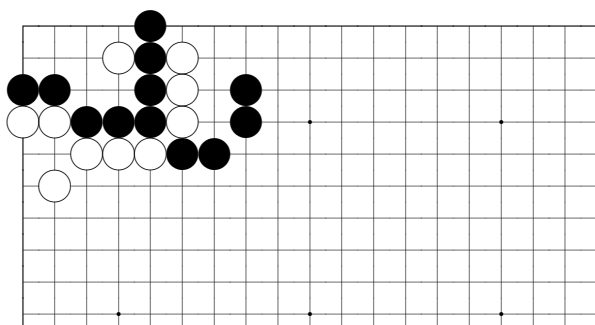
*Problem 795*



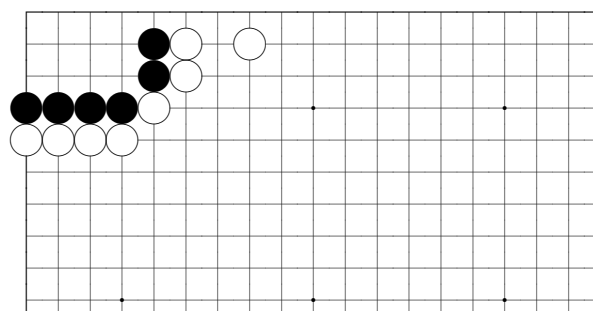
*Problem 792*



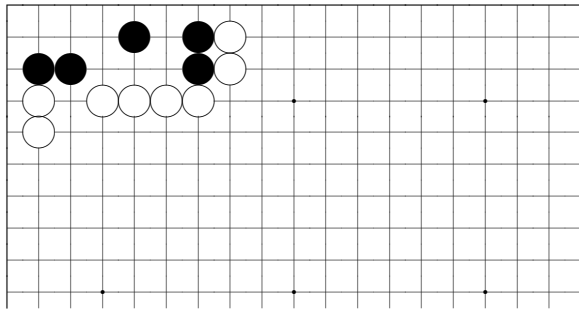
*Problem 796*



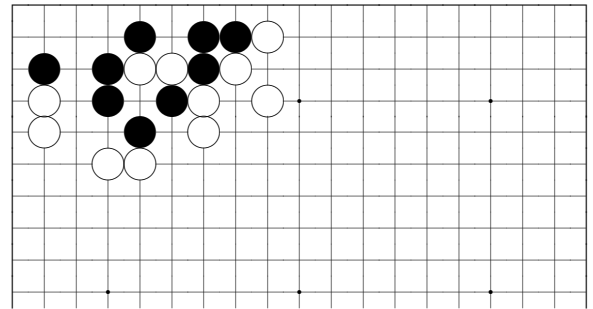
*Problem 793*



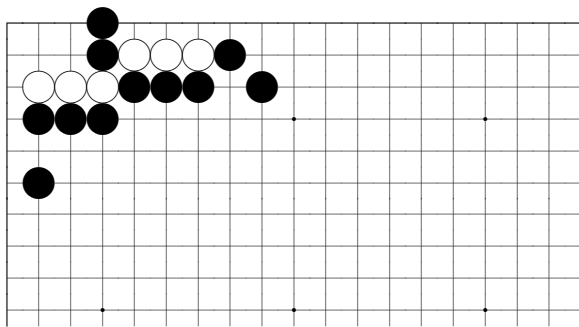
*Problem 797*



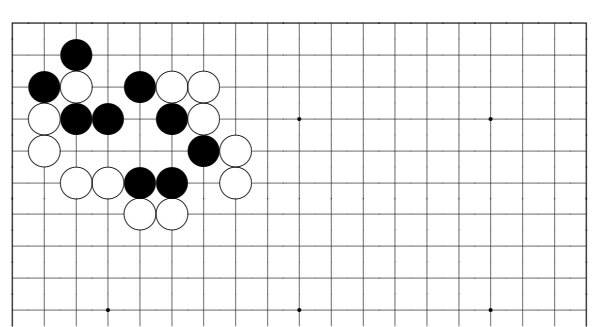
*Problem 798*



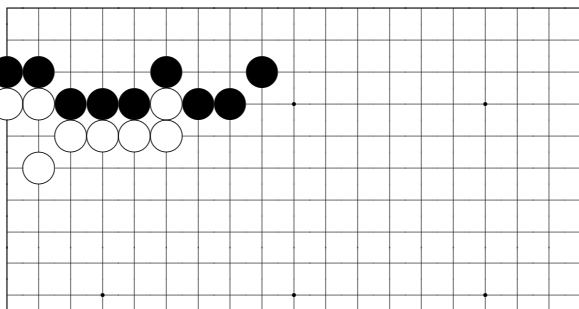
*Problem 802*



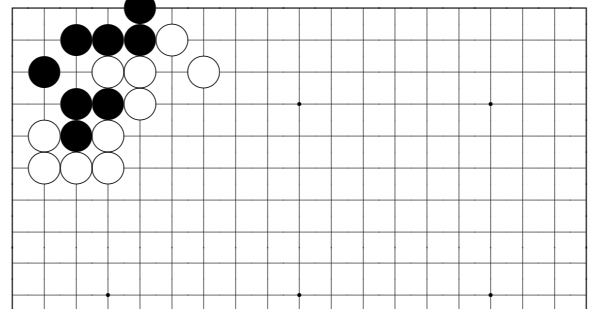
*Problem 799*



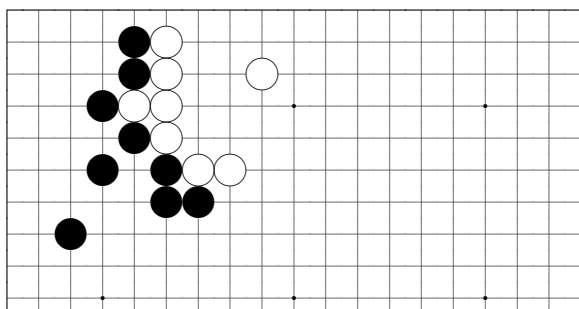
*Problem 803*



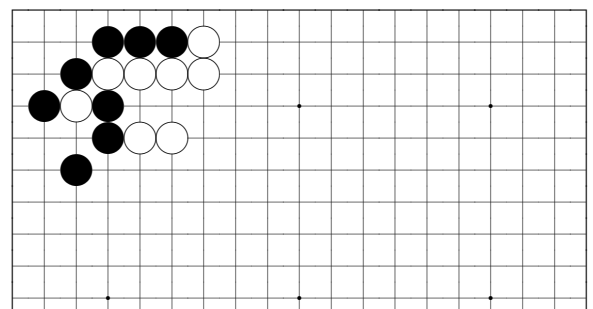
*Problem 800*



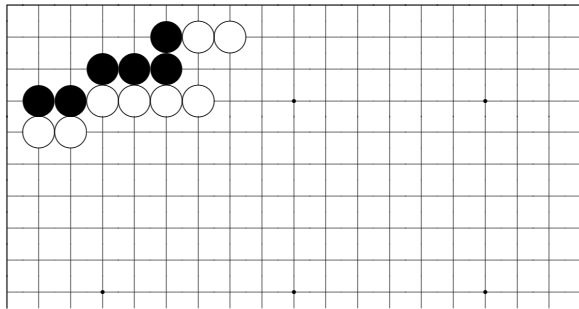
*Problem 804*



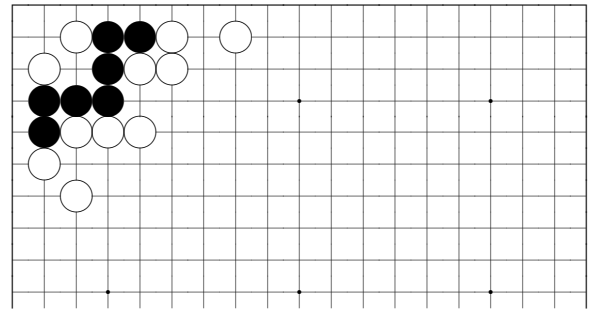
*Problem 801*



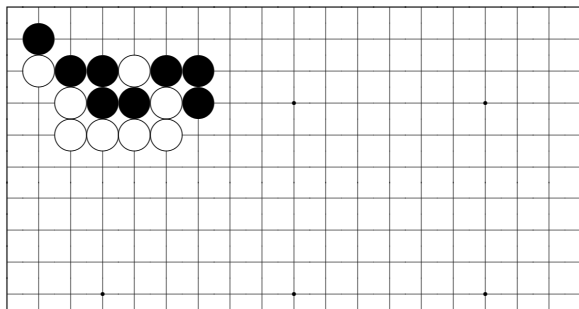
*Problem 805*



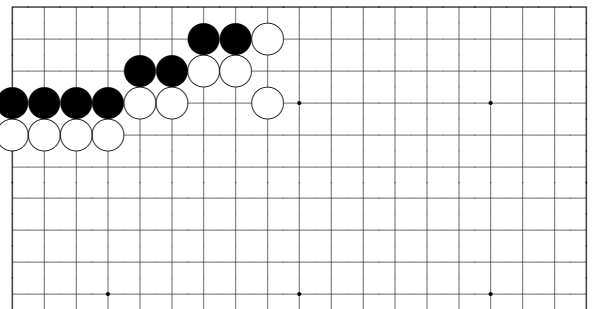
*Problem 806*



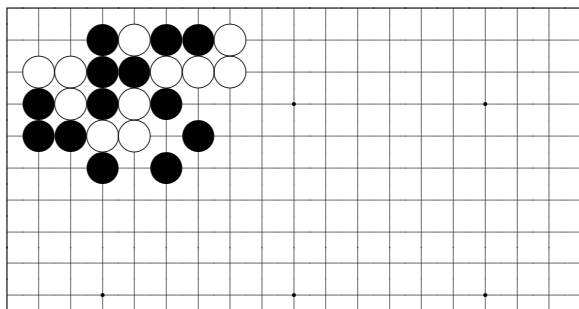
*Problem 810*



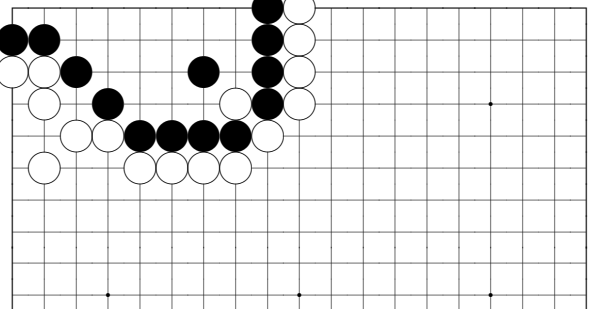
*Problem 807*



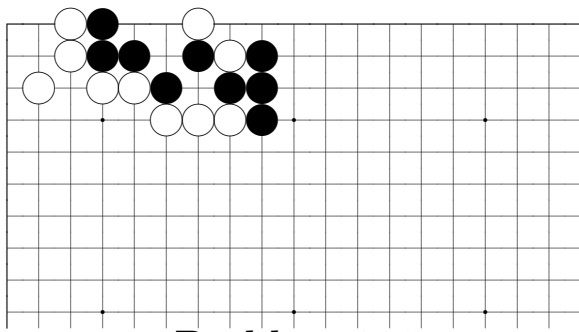
*Problem 811*



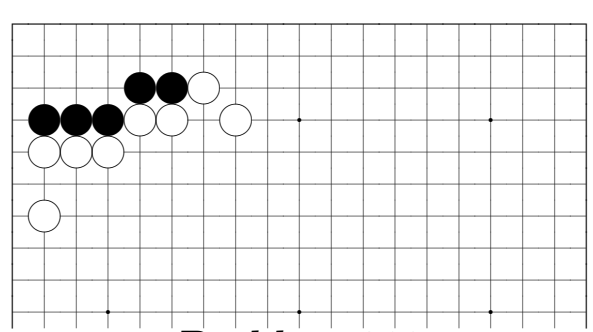
*Problem 808*



*Problem 812*



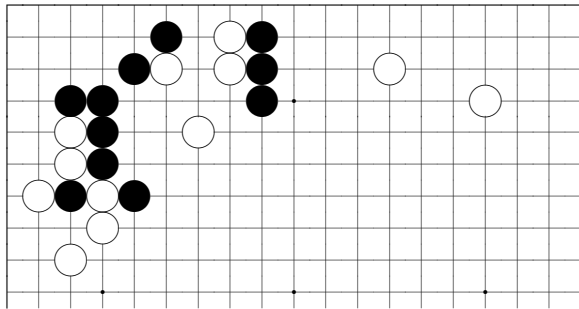
*Problem 809*



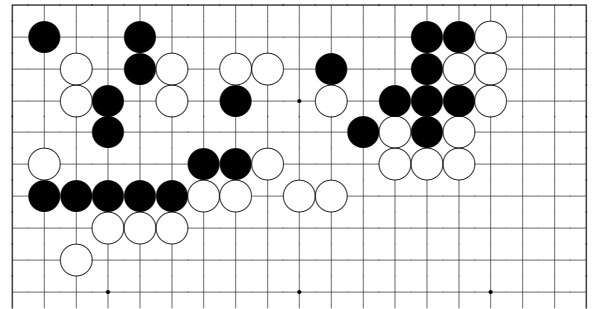
*Problem 813*



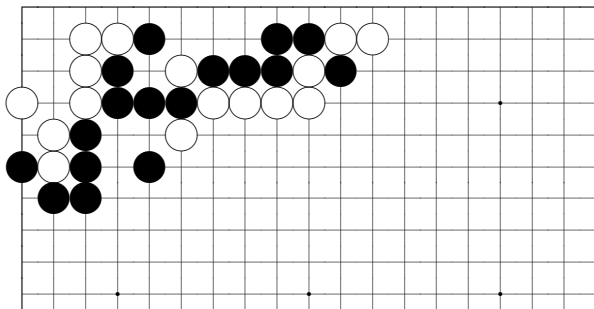




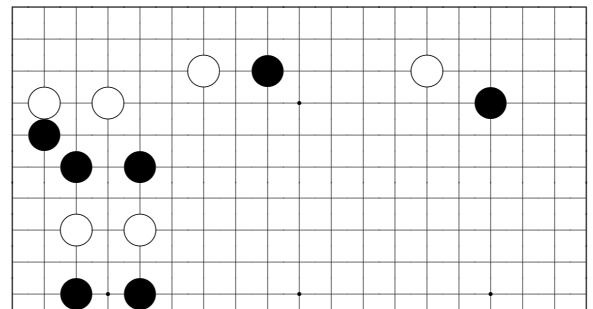
*Problem 822*



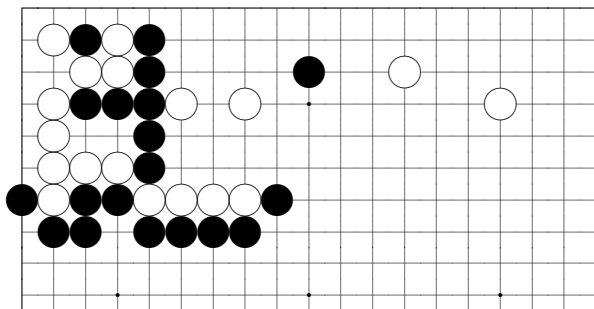
*Problem 826*



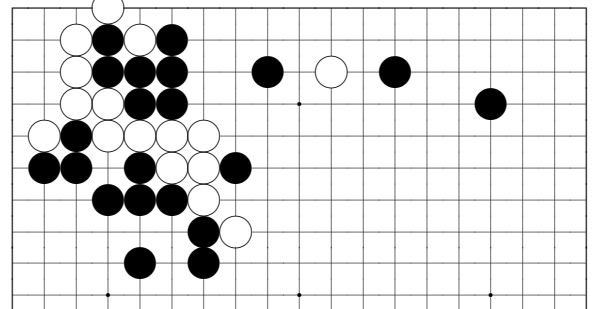
*Problem 823*



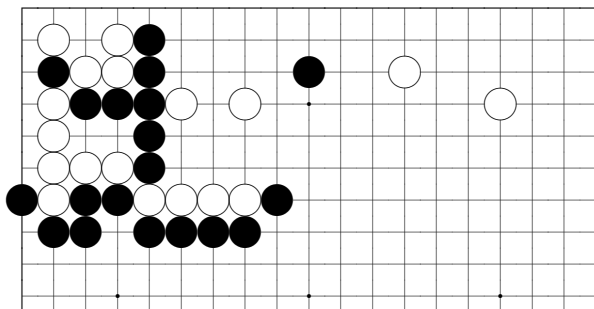
*Problem 827*



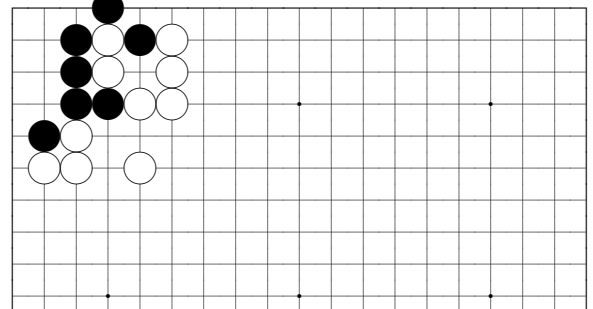
*Problem 824*



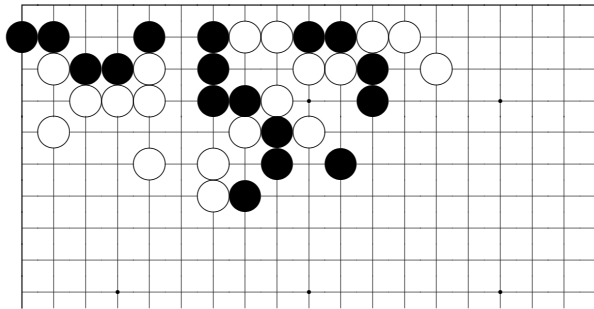
*Problem 828*



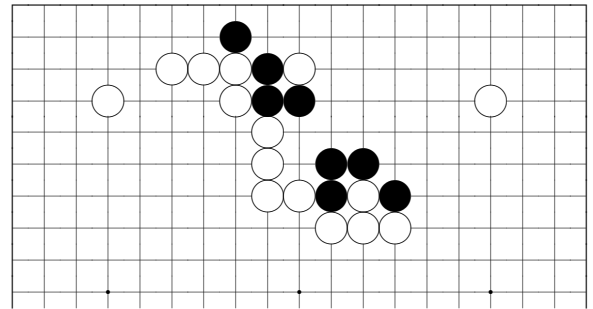
*Problem 825*



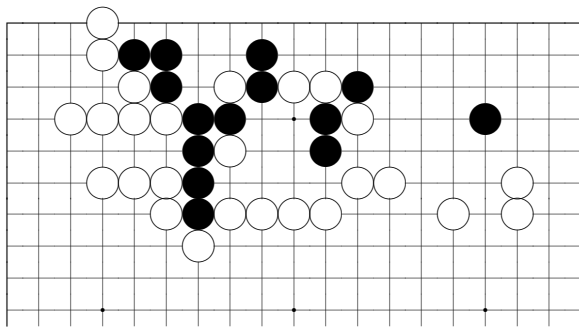
*Problem 829*



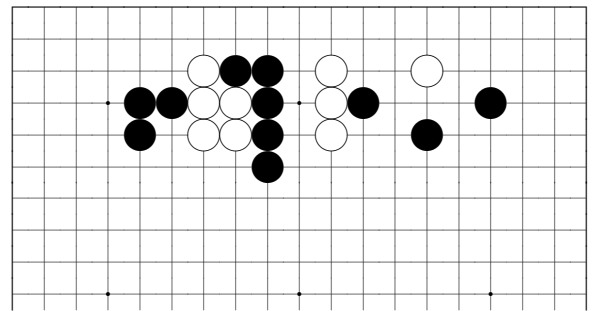
*Problem 830*



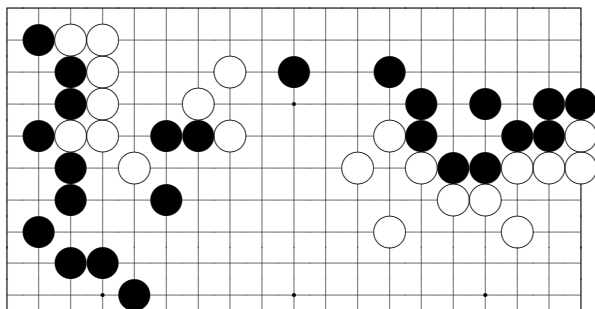
*Problem 834*



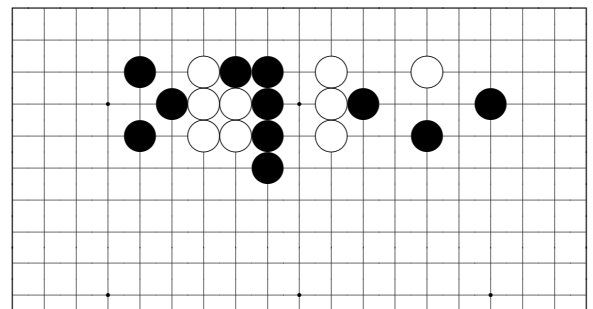
*Problem 831*



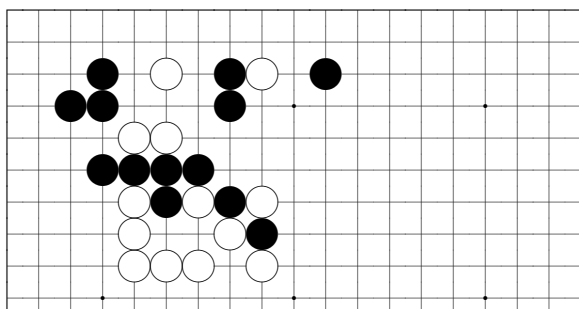
*Problem 835*



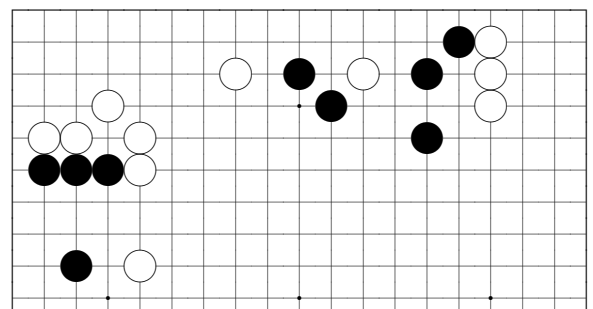
*Problem 832*



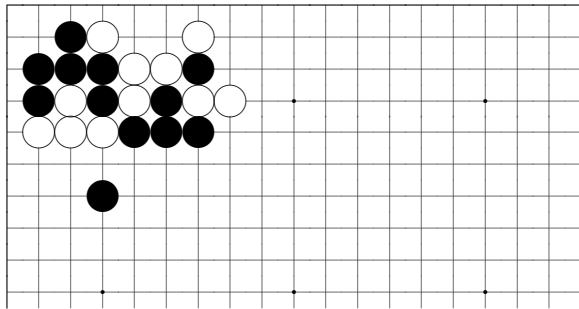
*Problem 836*



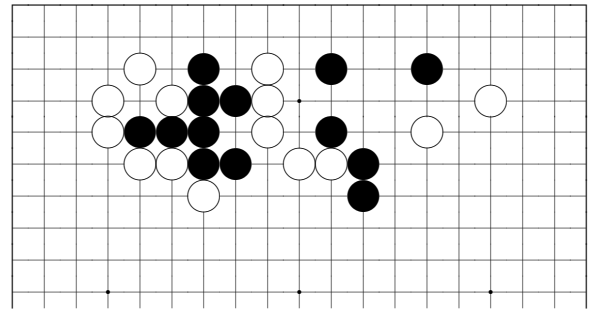
*Problem 833*



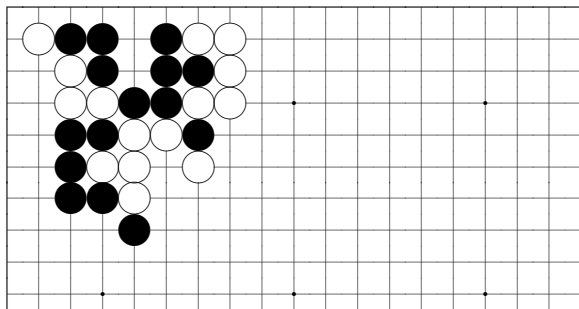
*Problem 837*



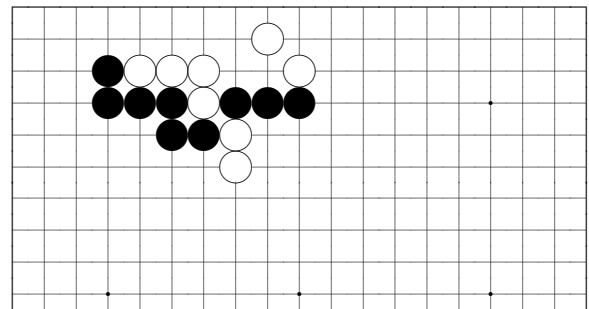
*Problem 838*



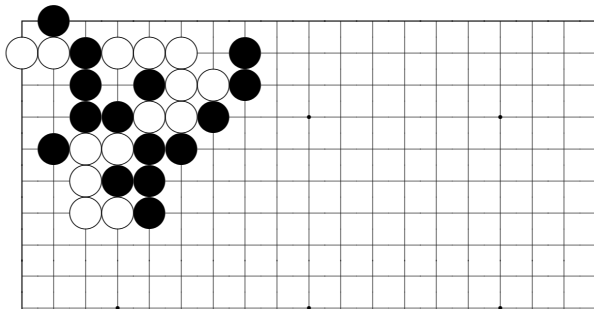
*Problem 842*



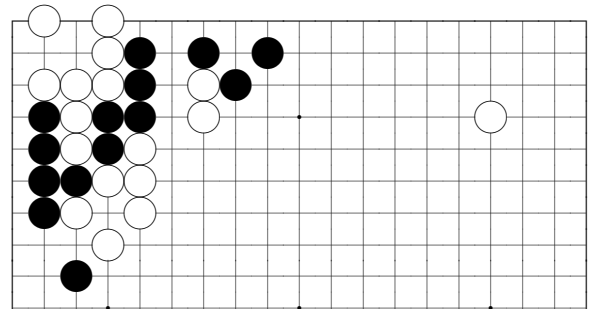
*Problem 839*



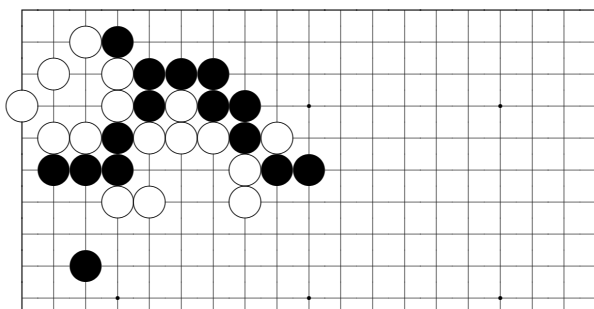
*Problem 843*



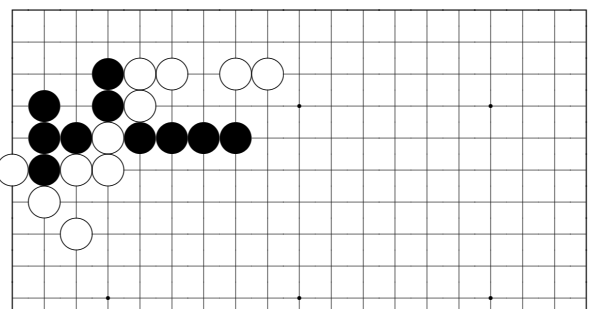
*Problem 840*



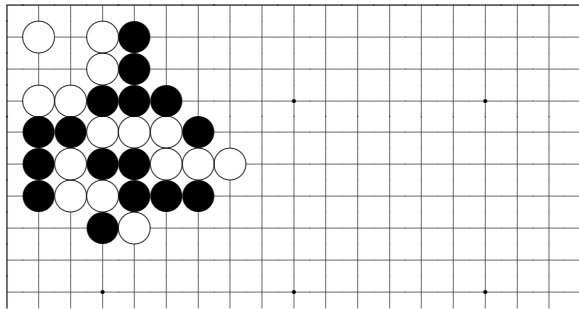
*Problem 844*



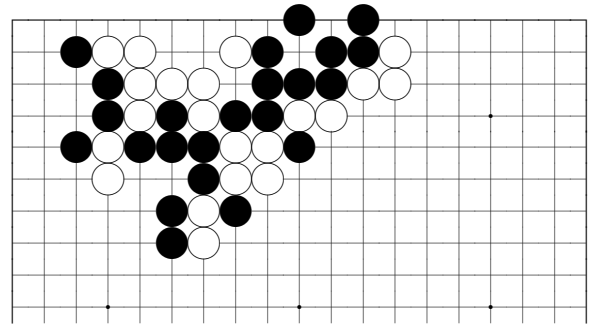
*Problem 841*



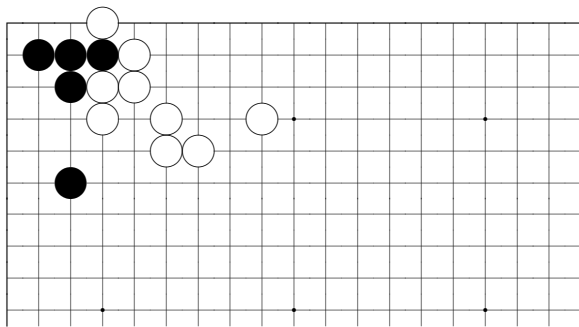
*Problem 845*



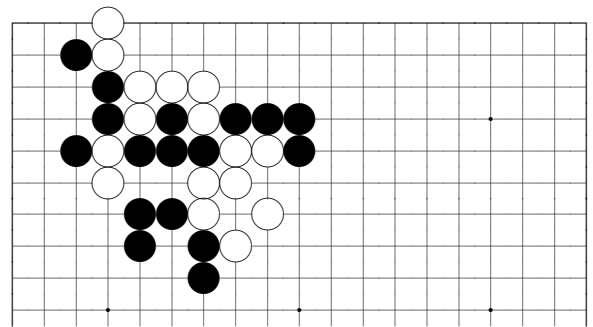
*Problem 846*



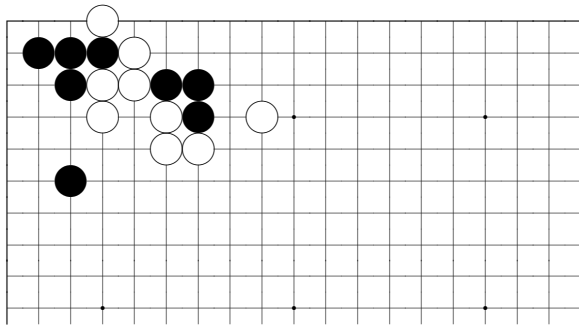
*Problem 850*



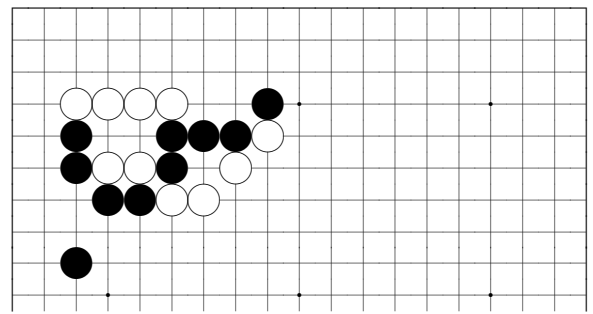
*Problem 847*



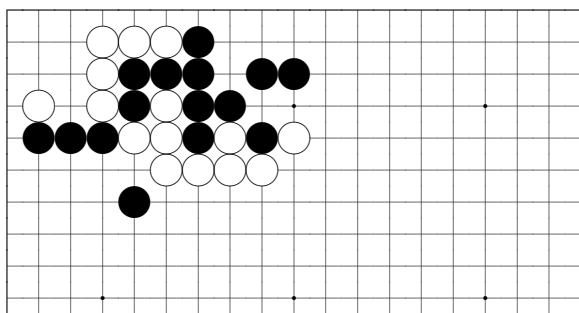
*Problem 851*



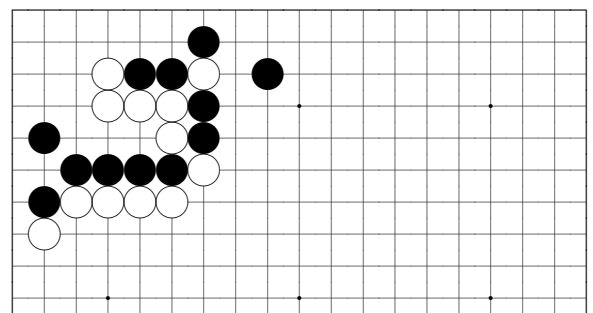
*Problem 848*



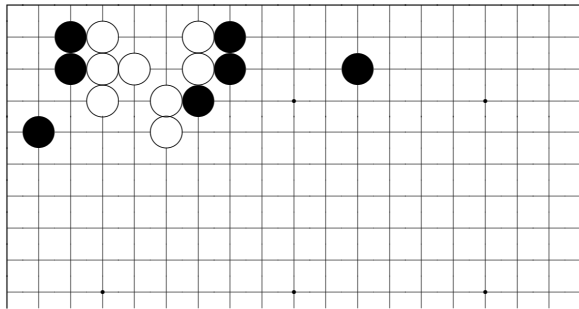
*Problem 852*



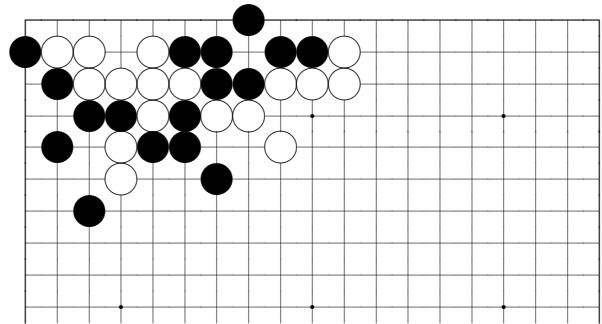
*Problem 849*



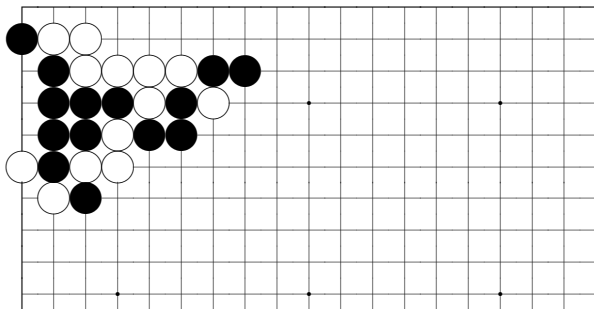
*Problem 853*



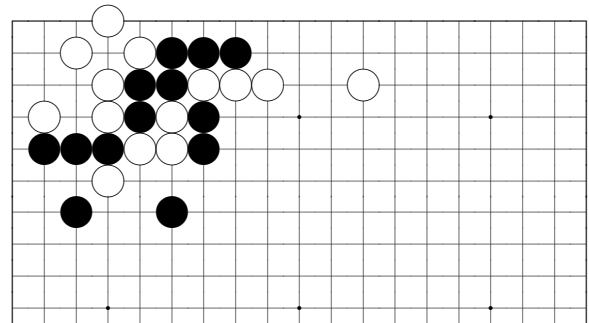
*Problem 854*



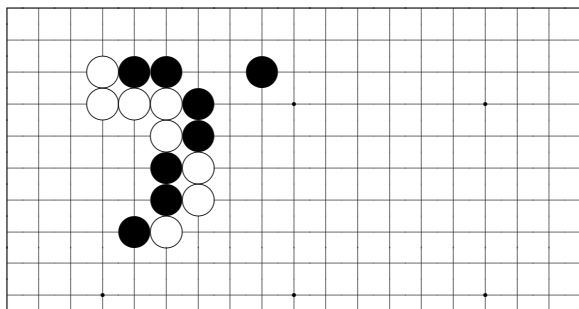
*Problem 858*



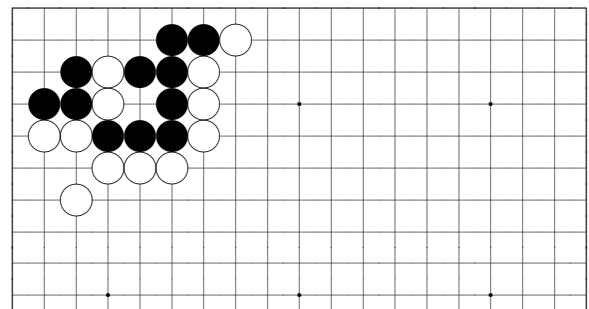
*Problem 855*



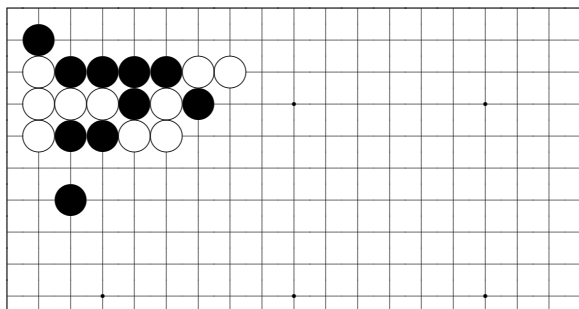
*Problem 859*



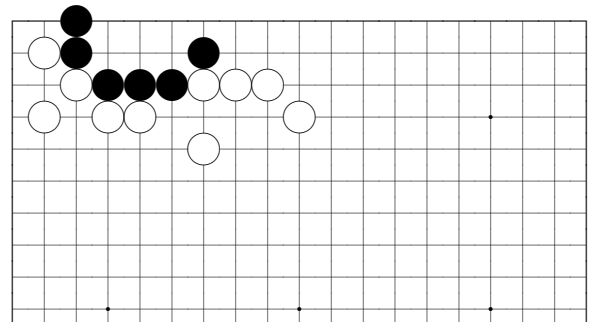
*Problem 856*



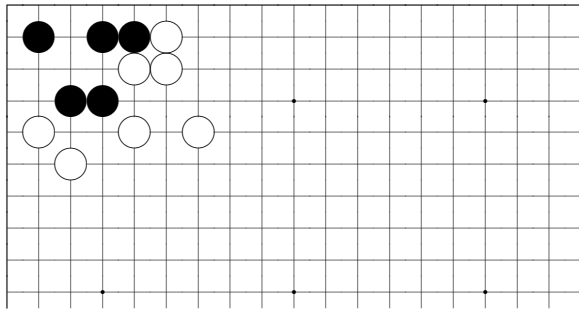
*Problem 860*



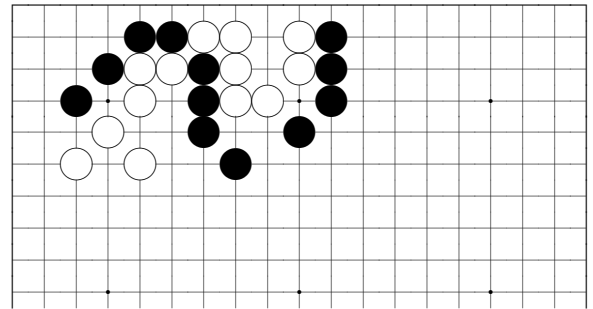
*Problem 857*



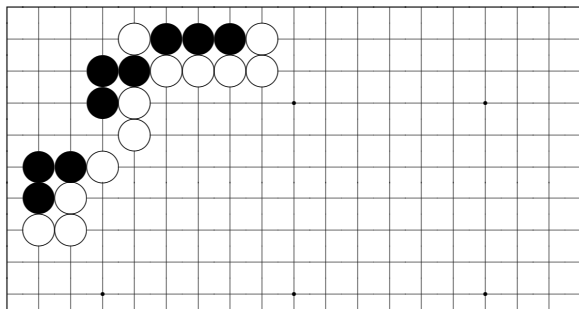
*Problem 861*



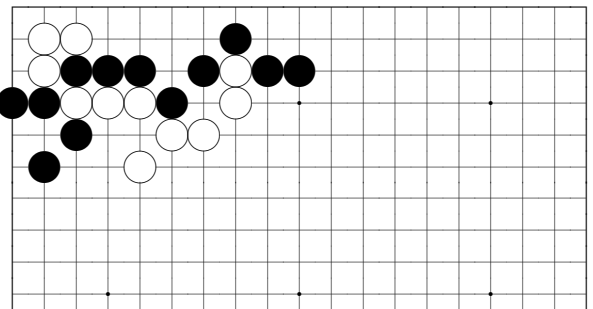
*Problem 862*



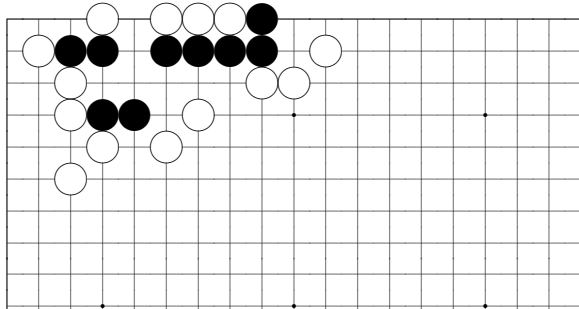
*Problem 866*



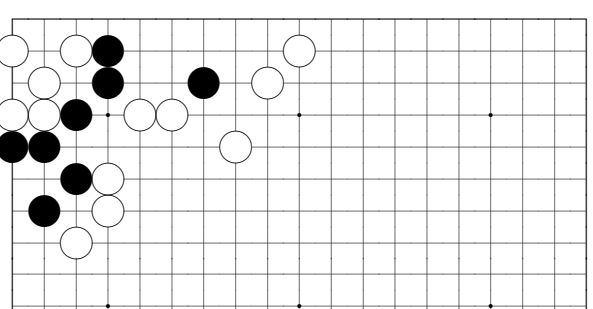
*Problem 863*



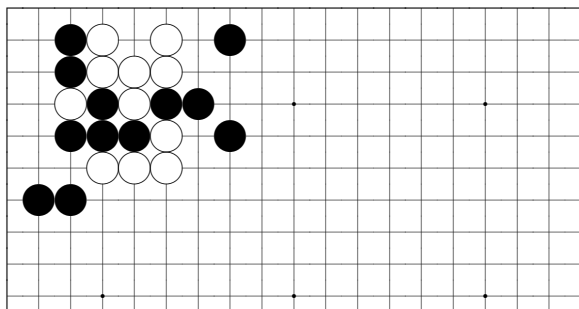
*Problem 867*



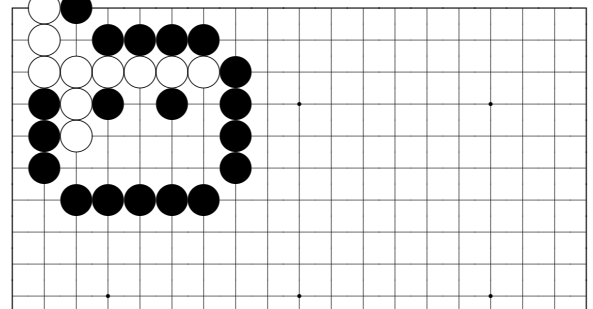
*Problem 864*



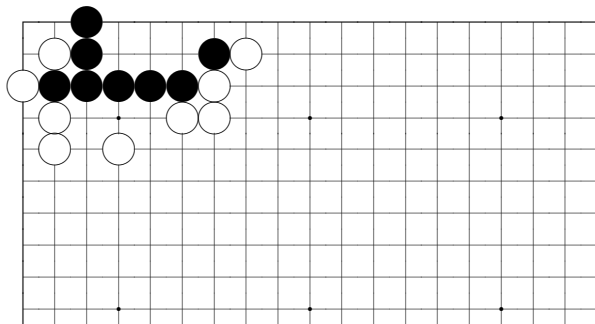
*Problem 868*



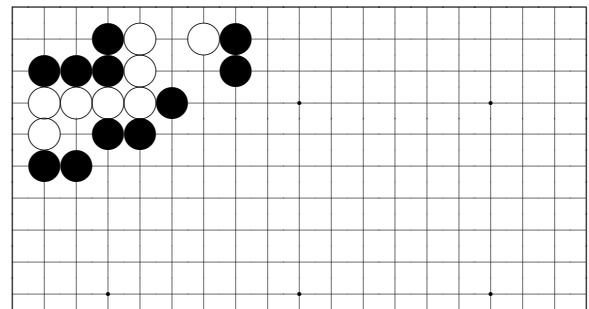
*Problem 865*



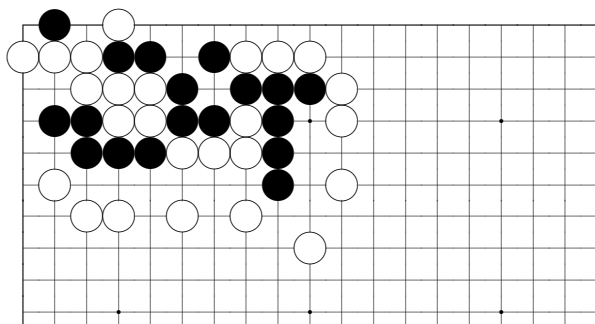
*Problem 869*



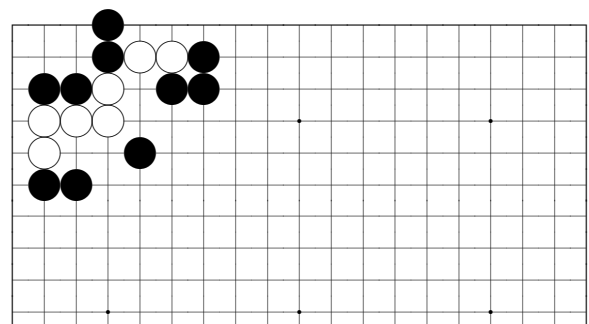
*Problem 870*



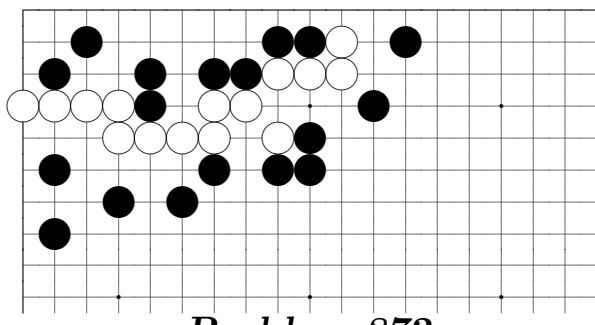
*Problem 874*



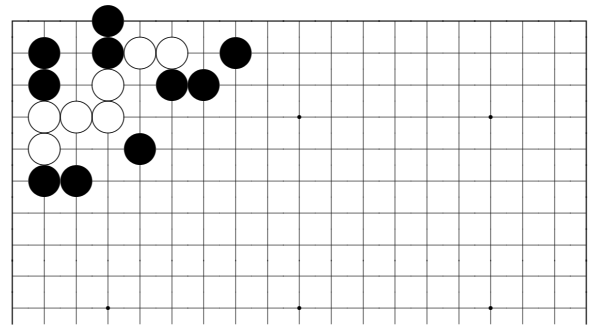
*Problem 871*



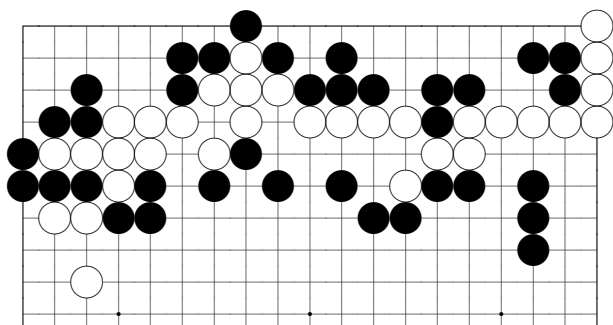
*Problem 875*



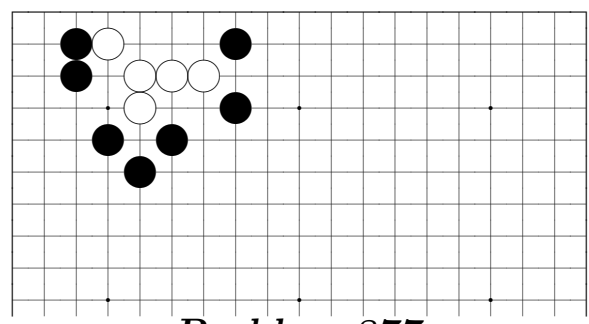
*Problem 872*



*Problem 876*

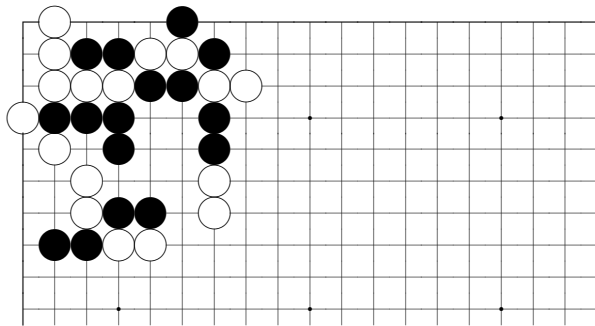


*Problem 873*

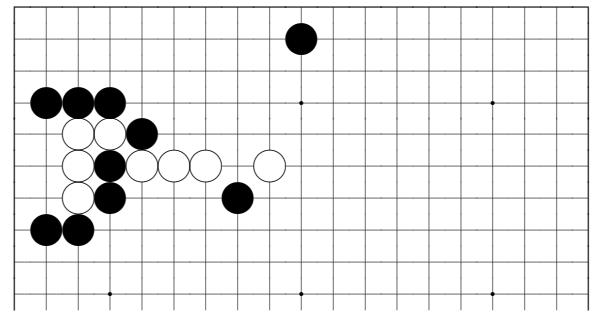


*Problem 877*

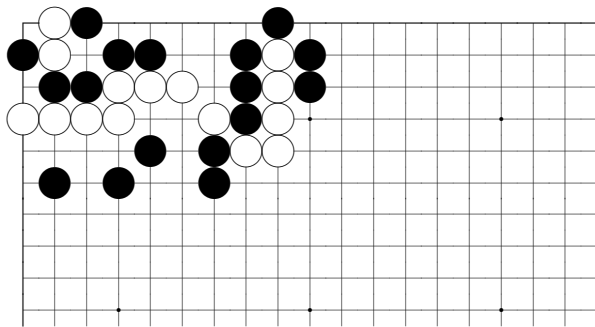




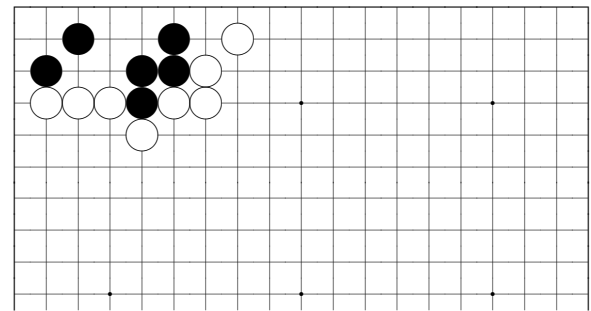
*Problem 878*



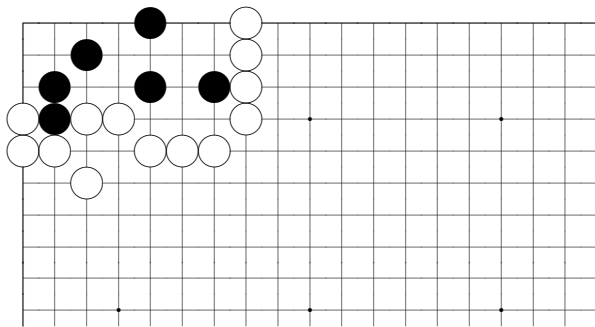
*Problem 882*



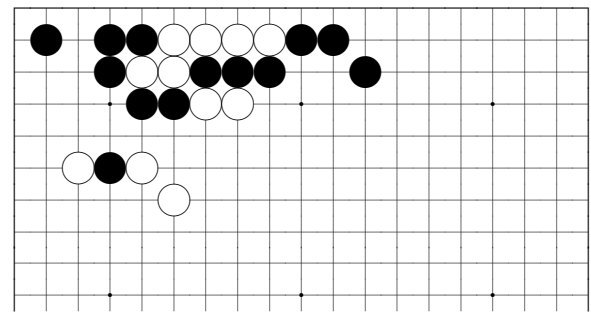
*Problem 879*



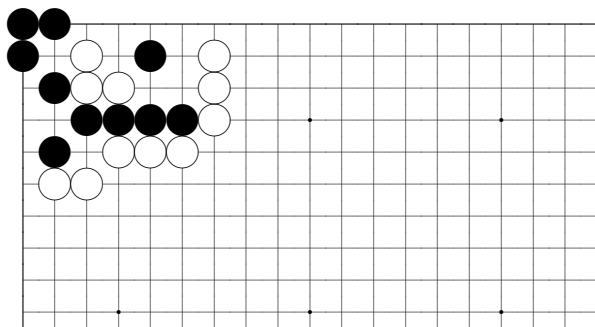
*Problem 883*



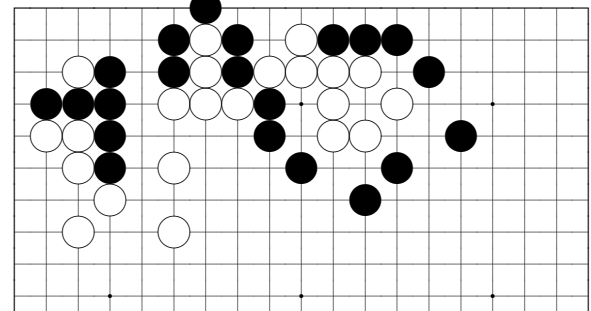
*Problem 880*



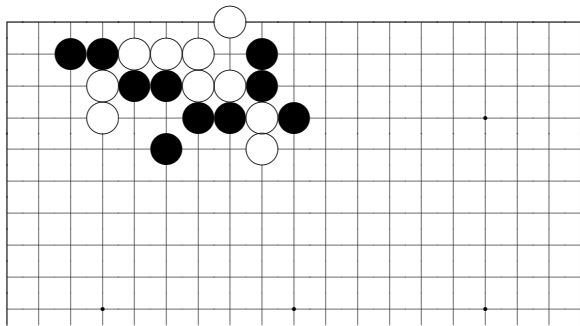
*Problem 884*



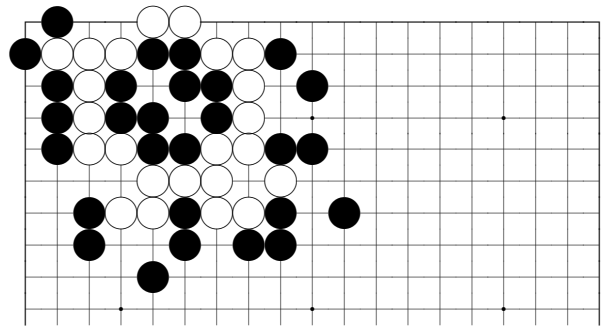
*Problem 881*



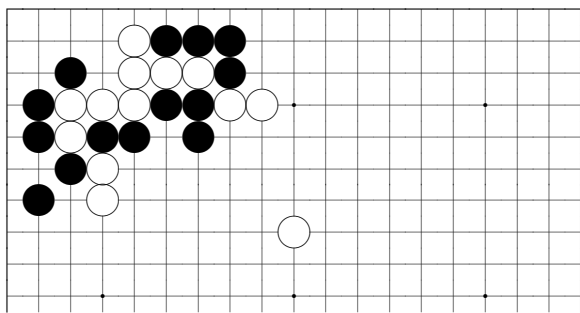
*Problem 885*



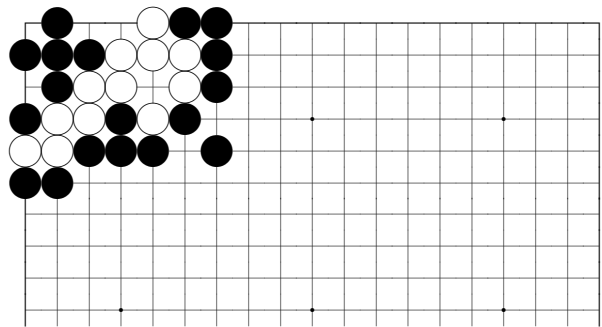
*Problem 886*



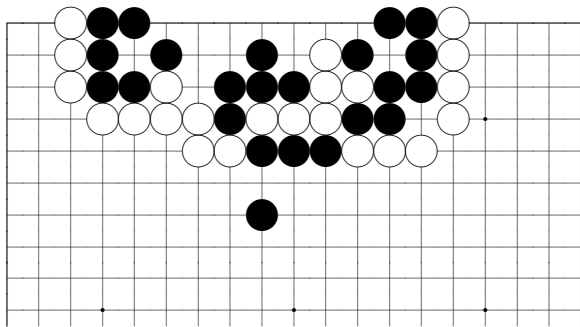
*Problem 890*



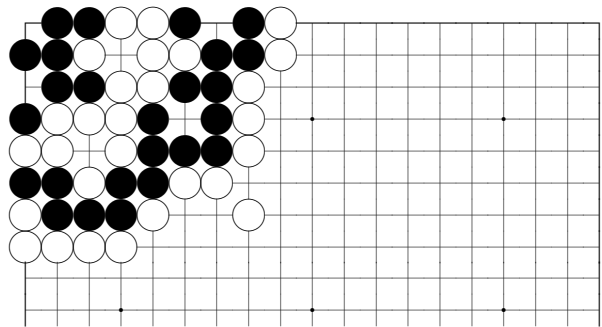
*Problem 887*



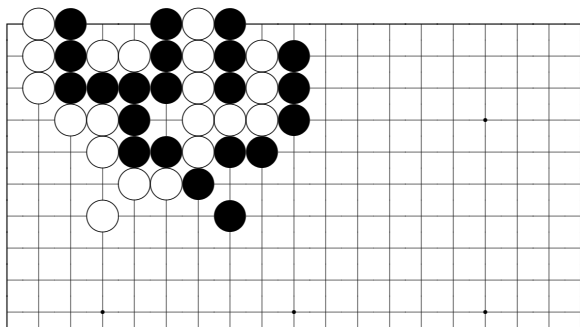
*Problem 891*



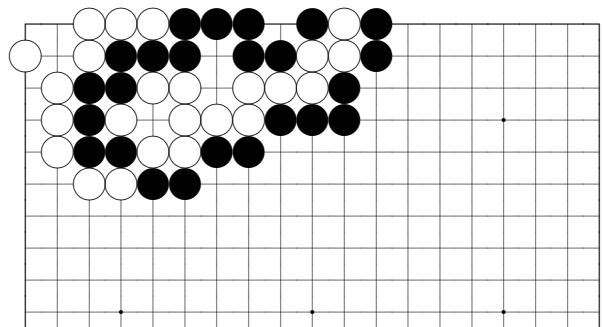
*Problem 888*



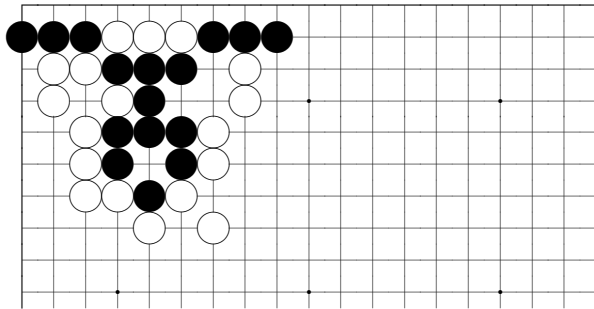
*Problem 892*



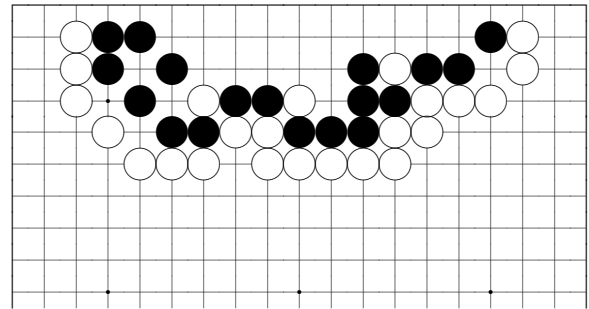
*Problem 889*



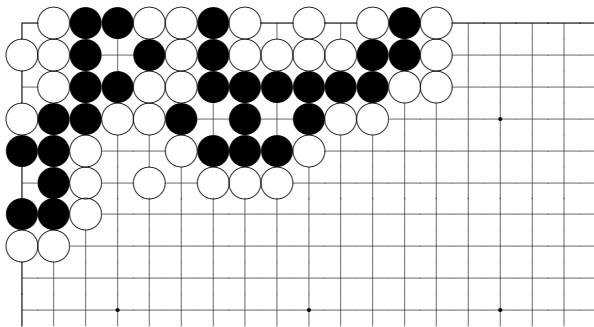
*Problem 893*



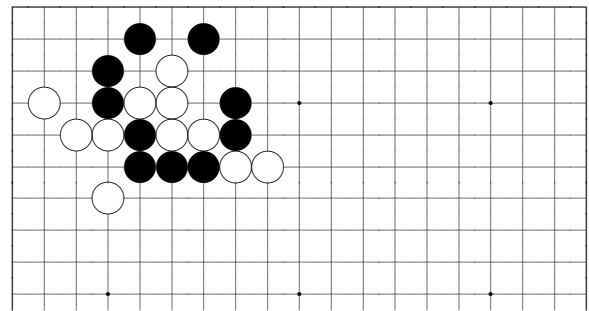
*Problem 894*



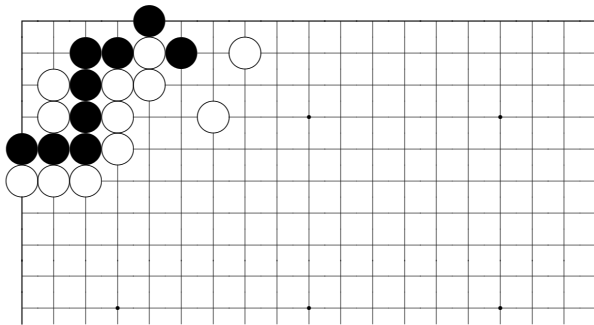
*Problem 898*



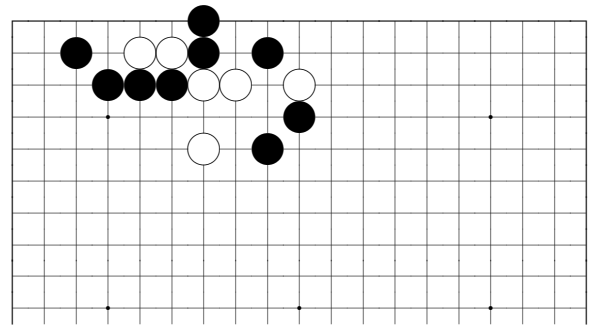
*Problem 895*



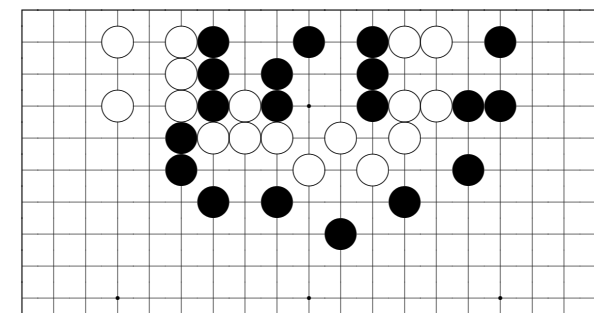
*Problem 899*



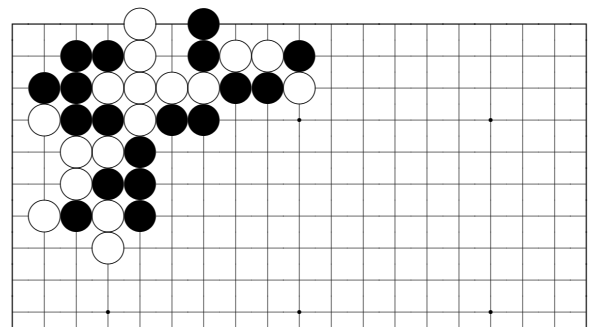
*Problem 896*



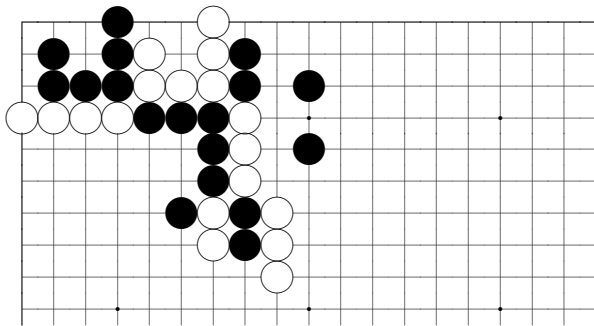
*Problem 900*



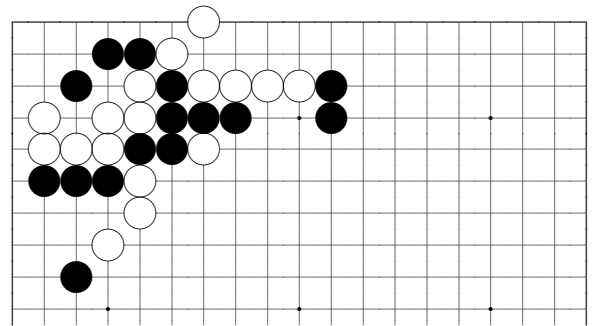
*Problem 897*



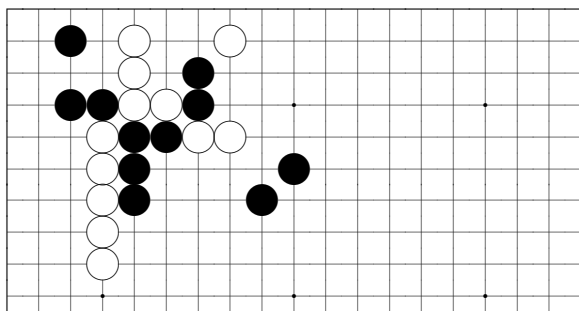
*Problem 901*



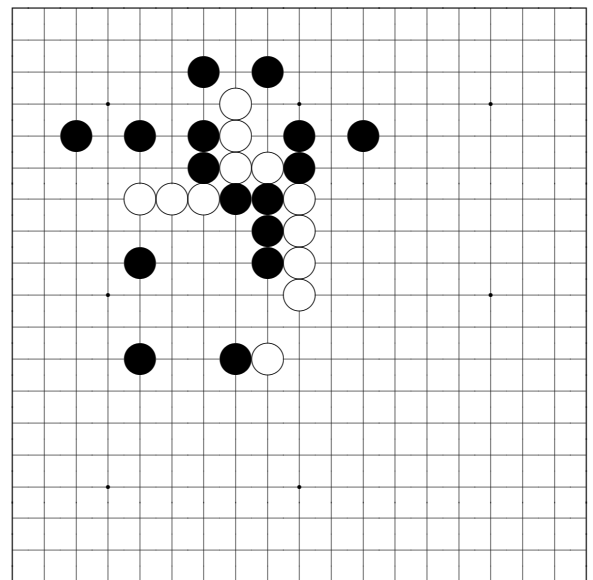
*Problem 902*



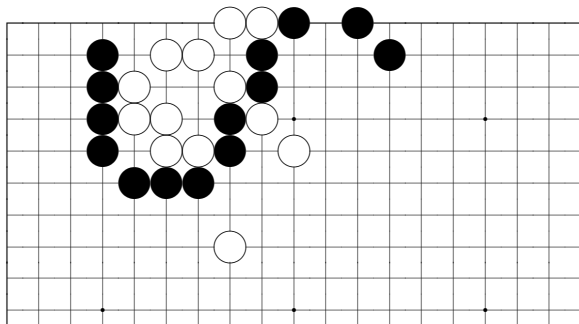
*Problem 906*



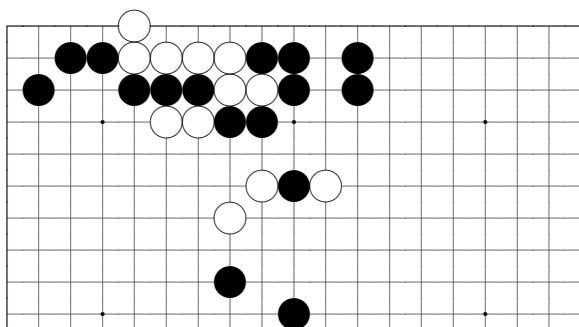
*Problem 903*



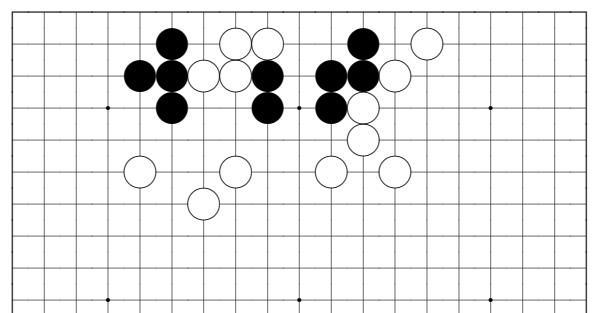
*Problem 907*



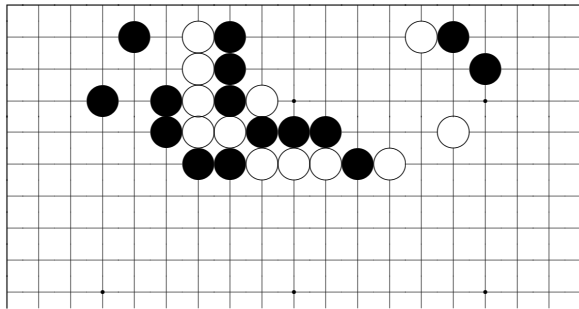
*Problem 904*



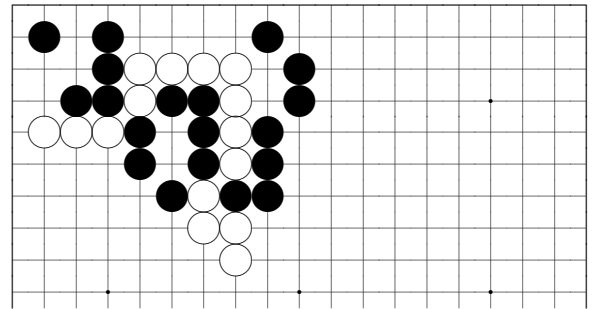
*Problem 905*



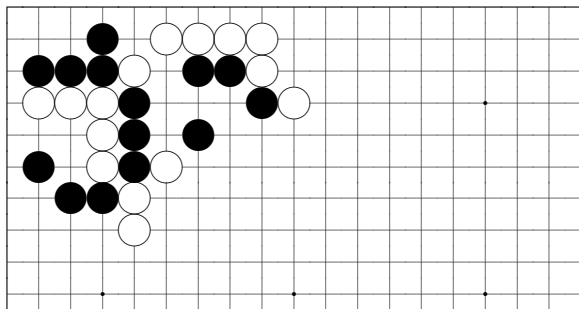
*Problem 908*



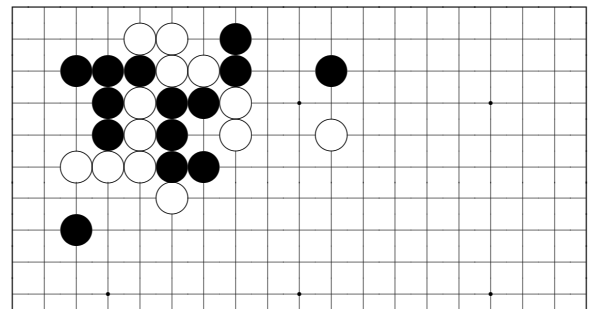
*Problem 909*



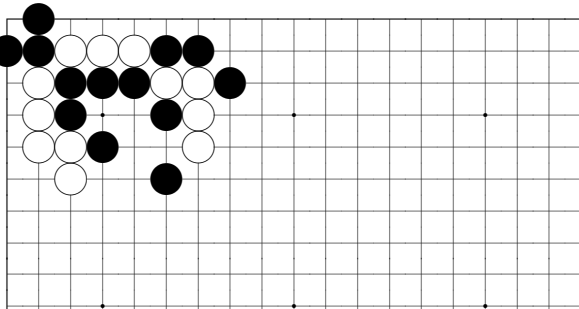
*Problem 913*



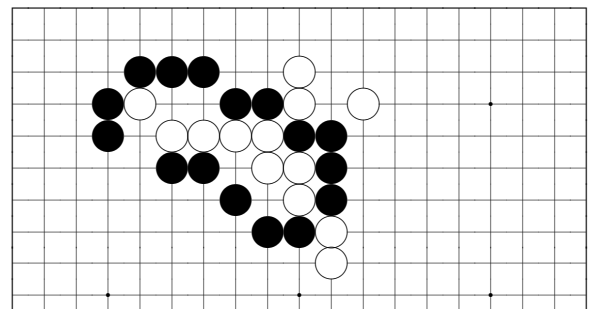
*Problem 910*



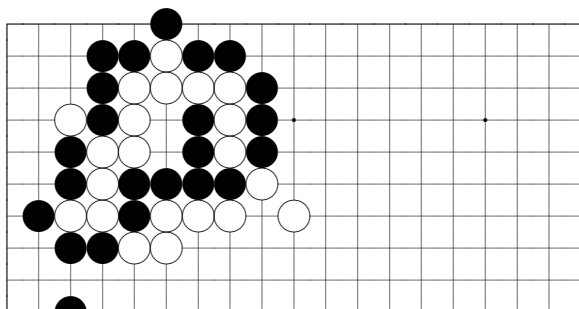
*Problem 914*



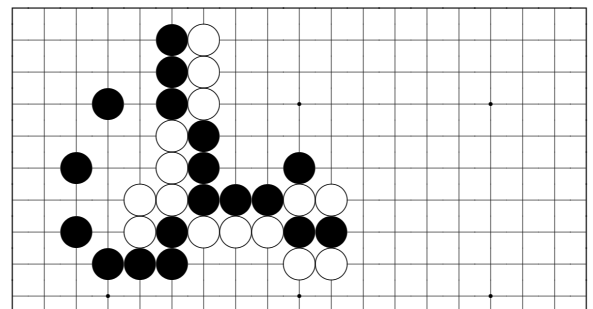
*Problem 911*



*Problem 915*

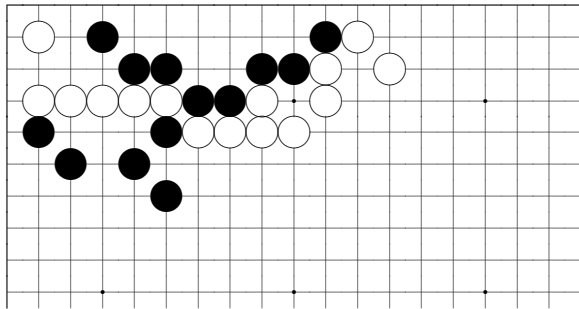


*Problem 912*

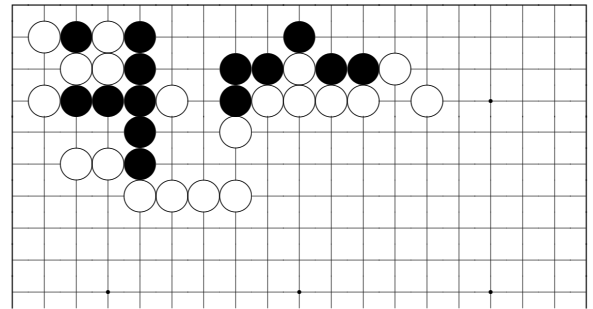


*Problem 916*

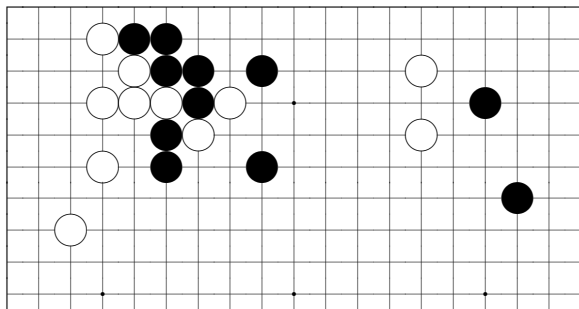




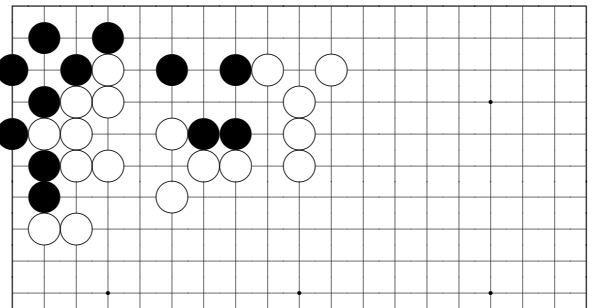
*Problem 924*



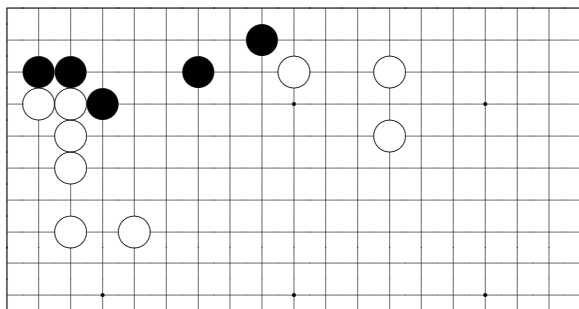
*Problem 928*



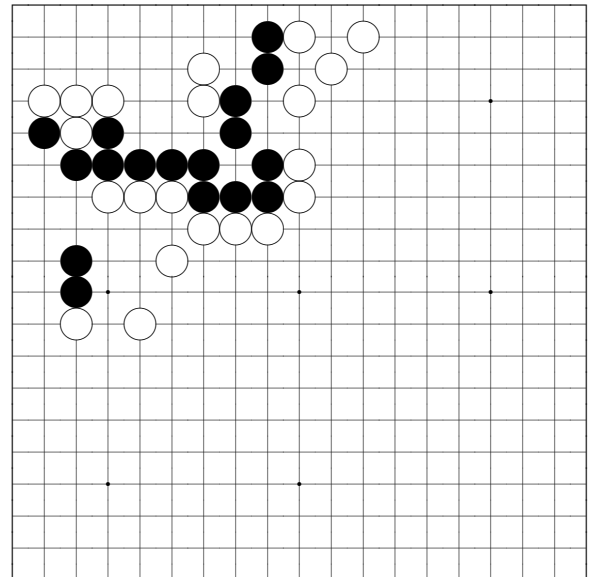
*Problem 925*



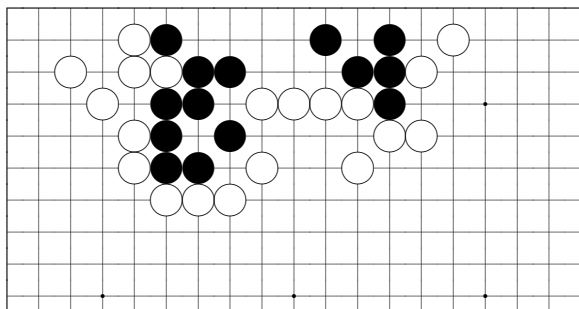
*Problem 929*



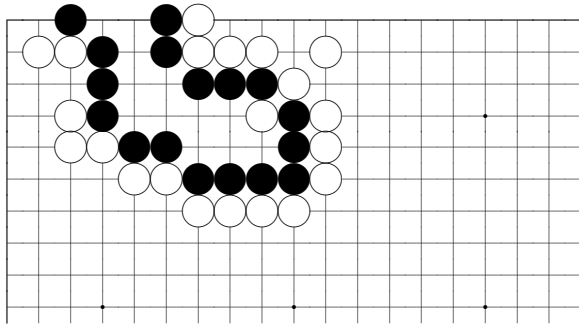
*Problem 926*



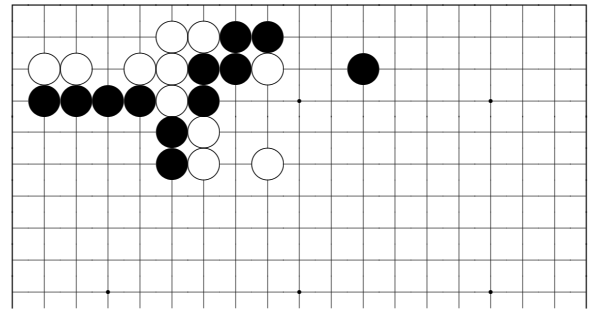
*Problem 930*



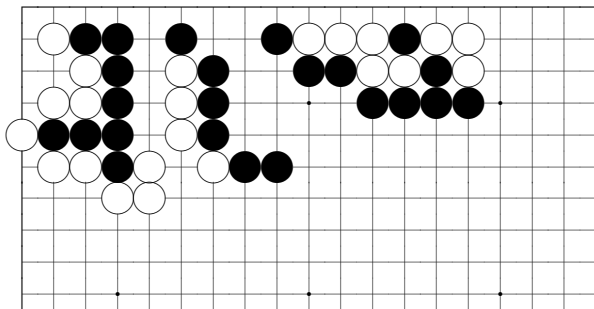
*Problem 927*



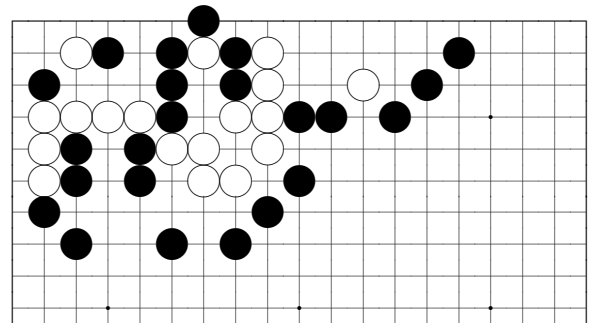
*Problem 931*



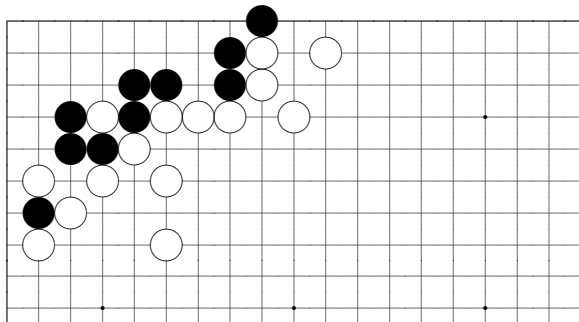
*Problem 935*



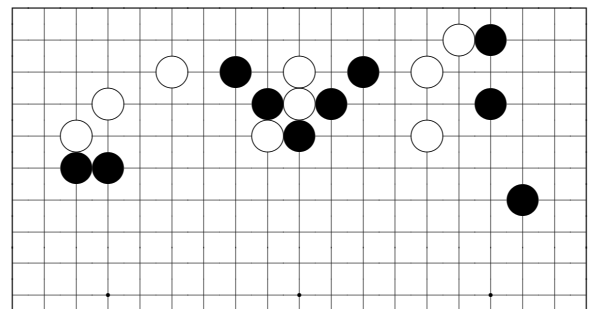
*Problem 932*



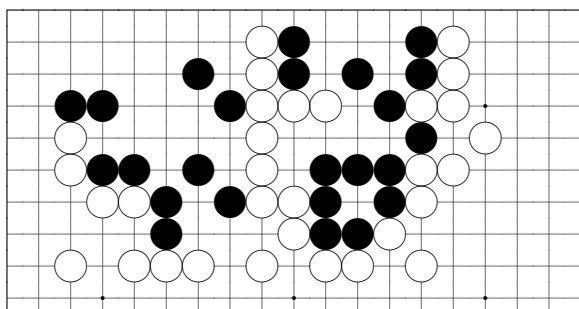
*Problem 936*



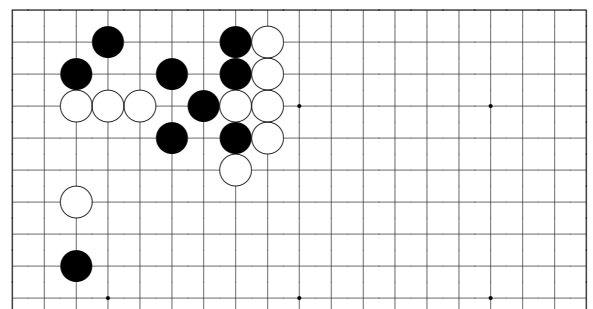
*Problem 933*



*Problem 937*

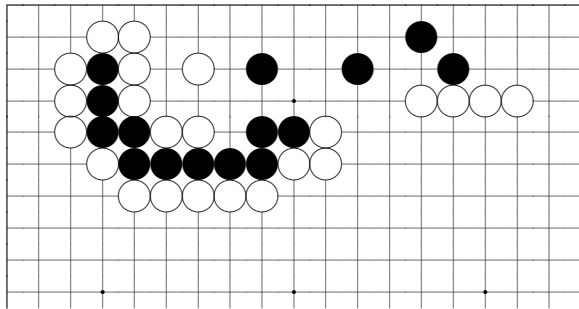


*Problem 934*

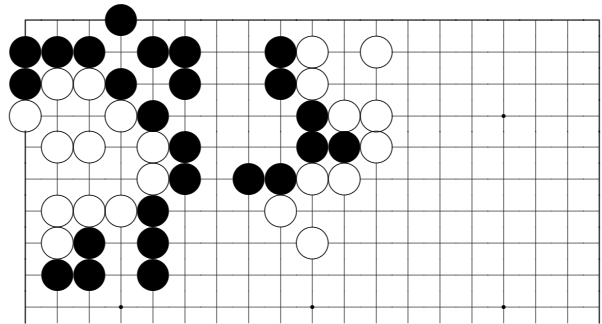


*Problem 938*

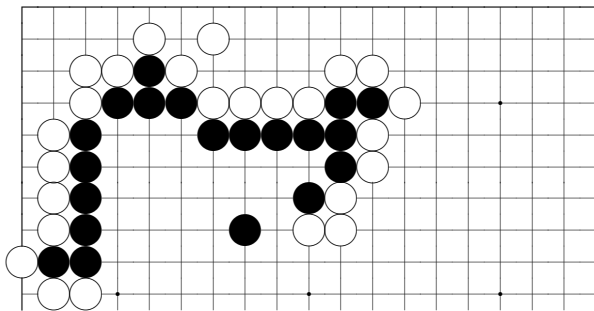




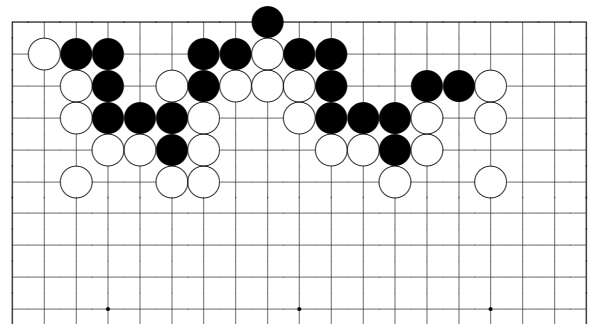
*Problem 939*



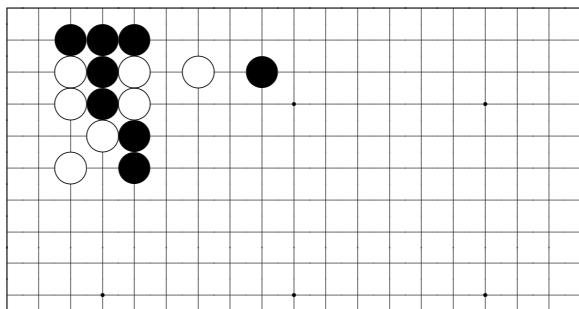
*Problem 943*



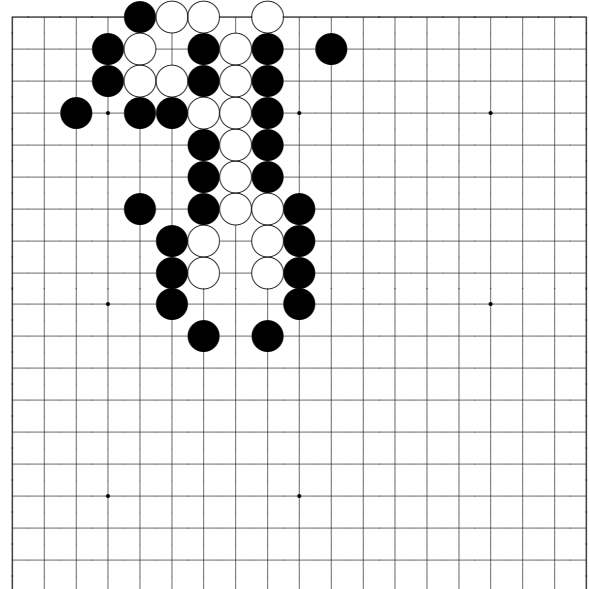
*Problem 940*



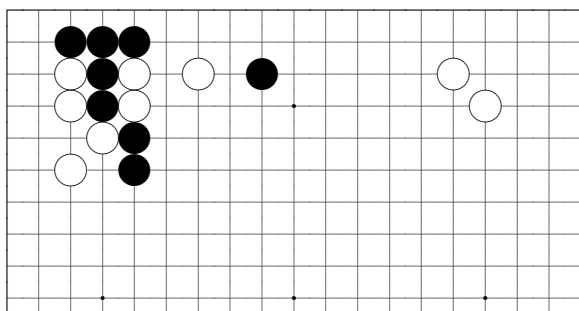
*Problem 944*



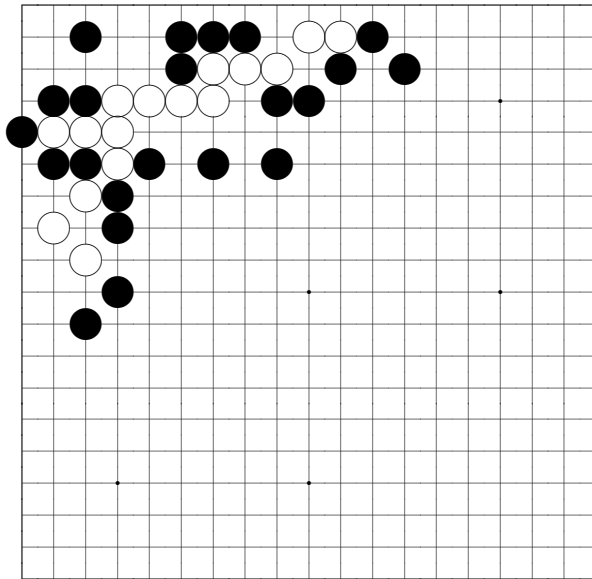
*Problem 941*



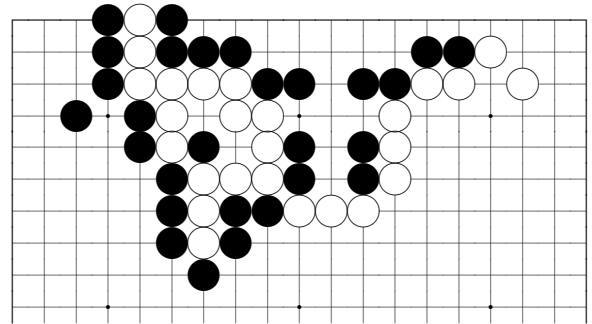
*Problem 945*



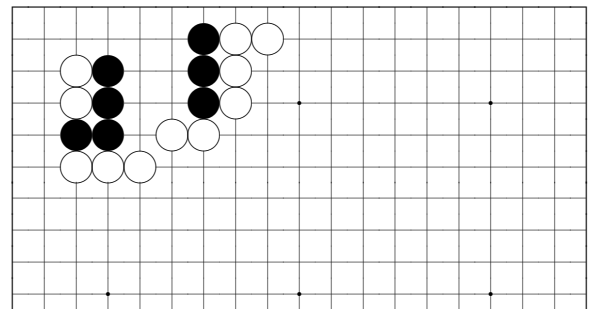
*Problem 942*



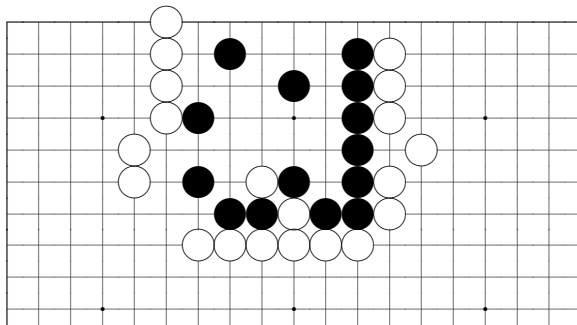
*Problem 946*



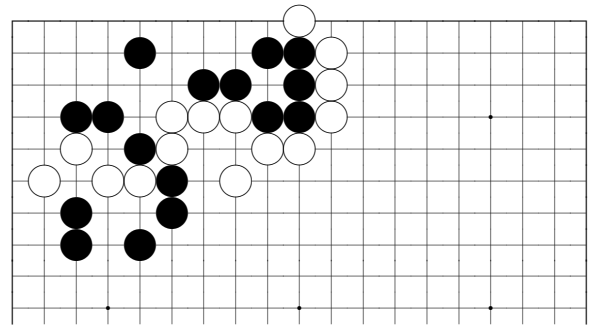
*Problem 949*



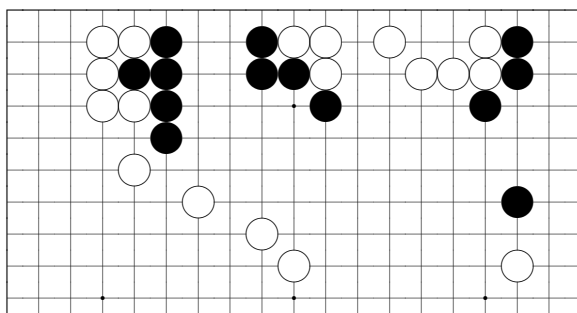
*Problem 950*



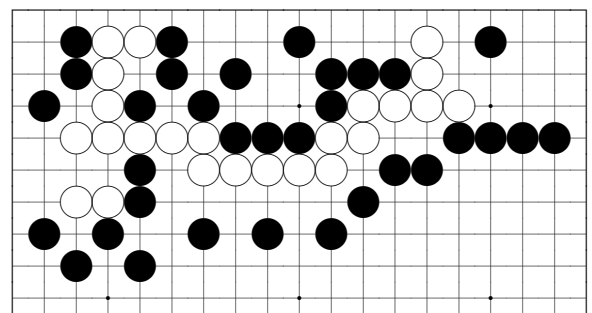
*Problem 947*



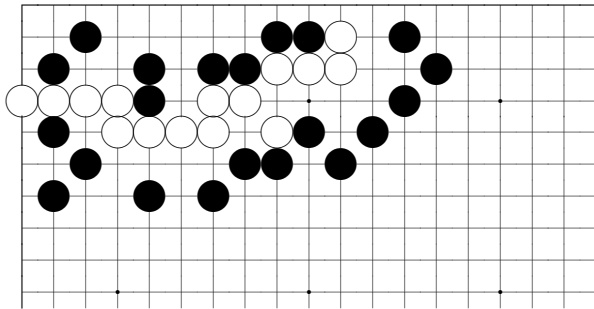
*Problem 951*



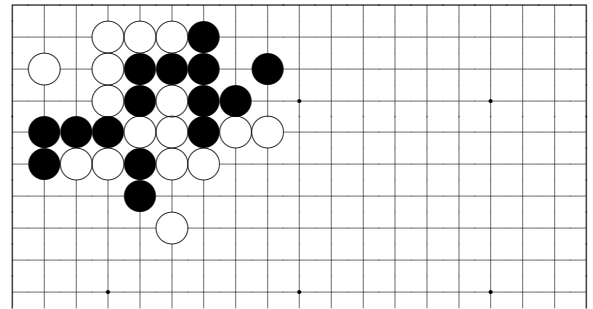
*Problem 948*



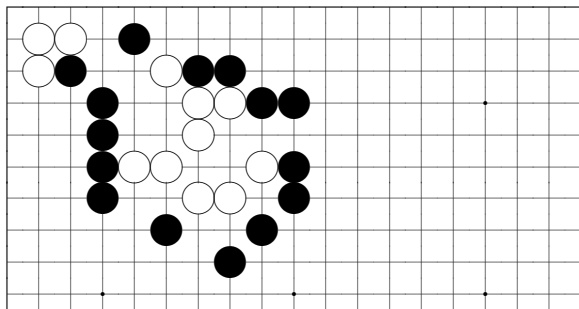
*Problem 952*



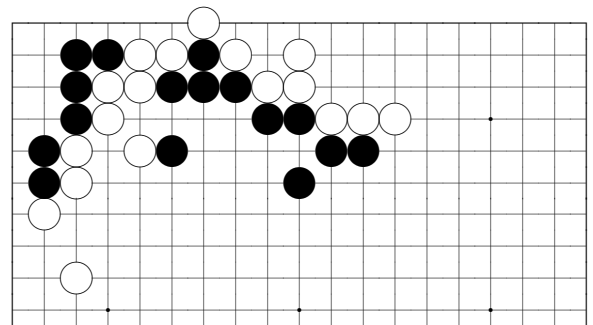
*Problem 953*



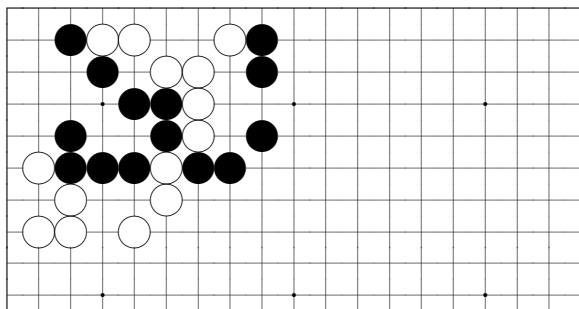
*Problem 957*



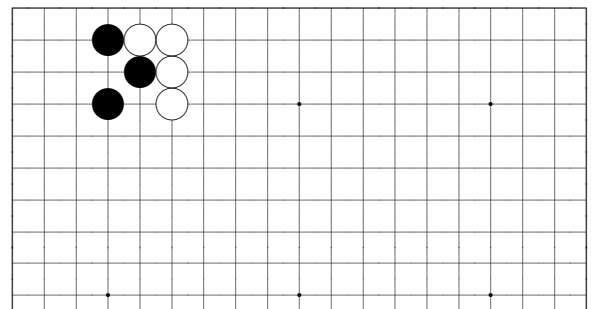
*Problem 954*



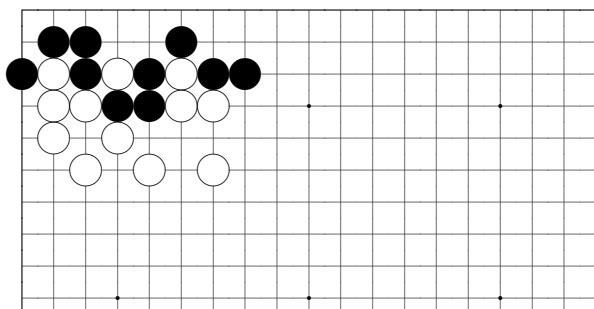
*Problem 958*



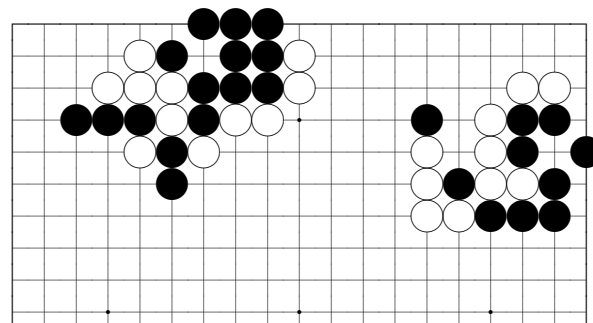
*Problem 955*



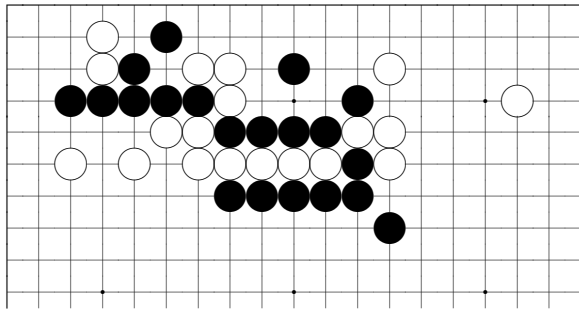
*Problem 959*



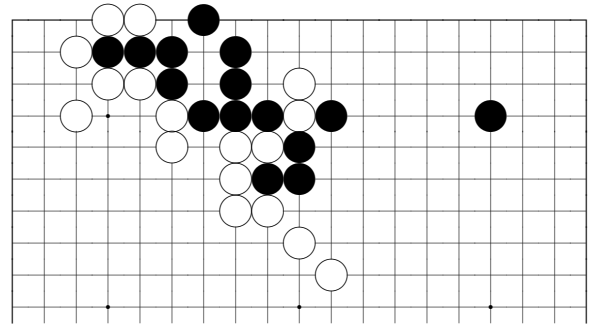
*Problem 956*



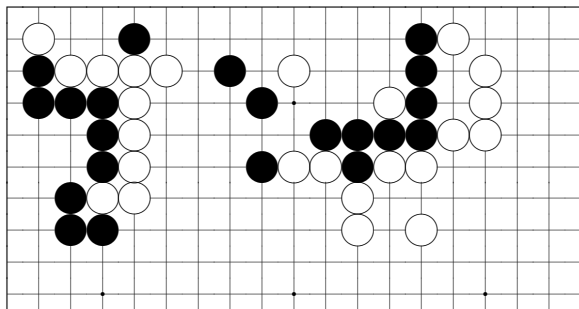
*Problem 960*



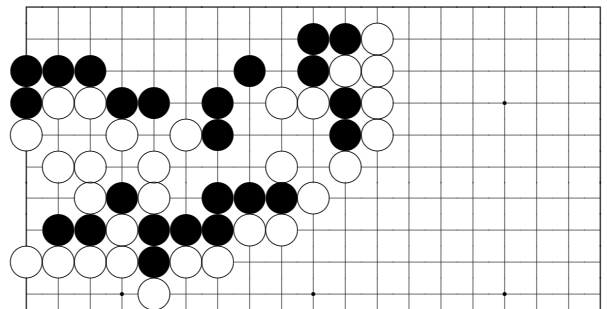
*Problem 961*



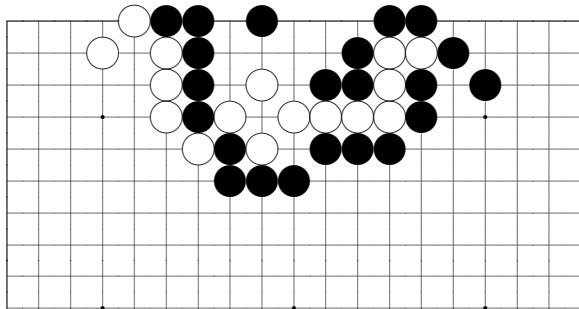
*Problem 965*



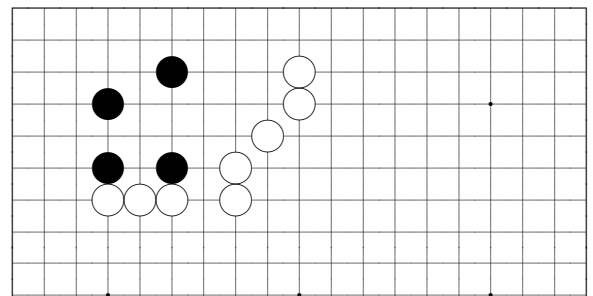
*Problem 962*



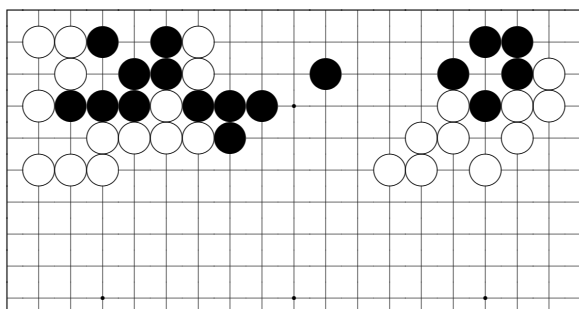
*Problem 966*



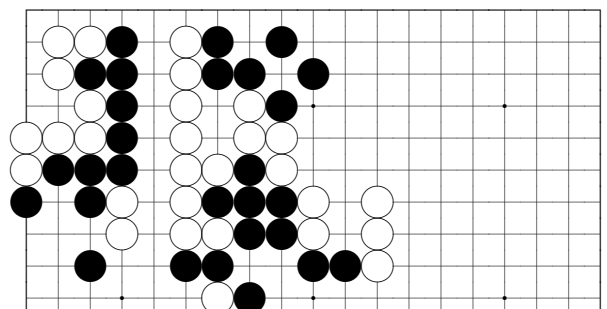
*Problem 963*



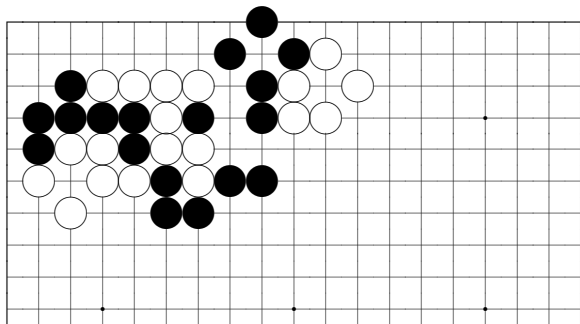
*Problem 967*



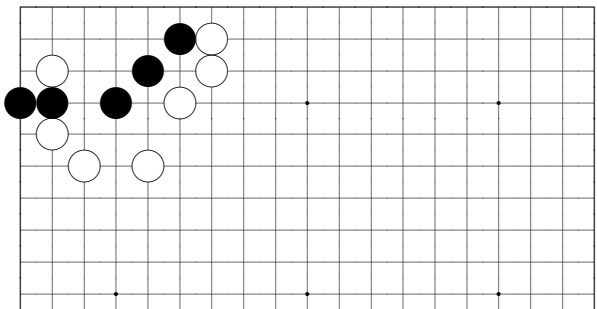
*Problem 964*



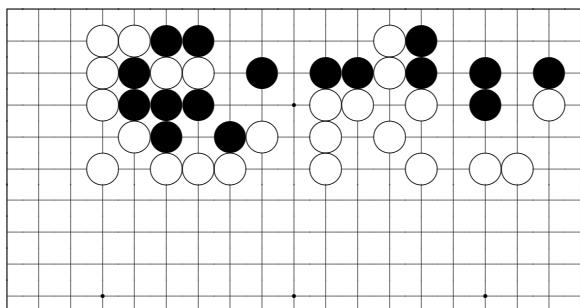
*Problem 968*



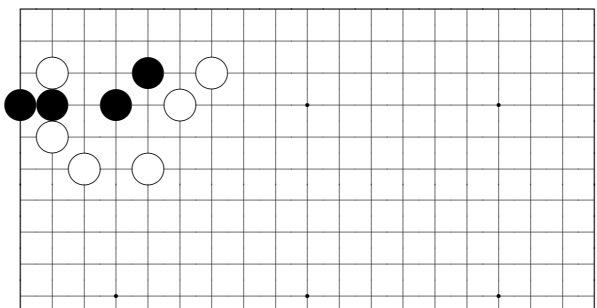
*Problem 969*



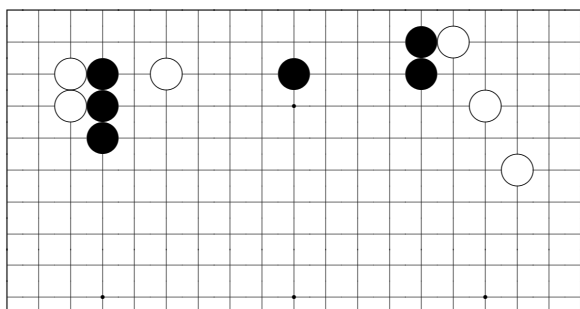
*Problem 973*



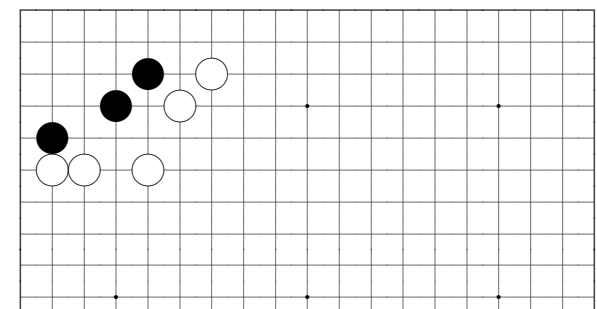
*Problem 970*



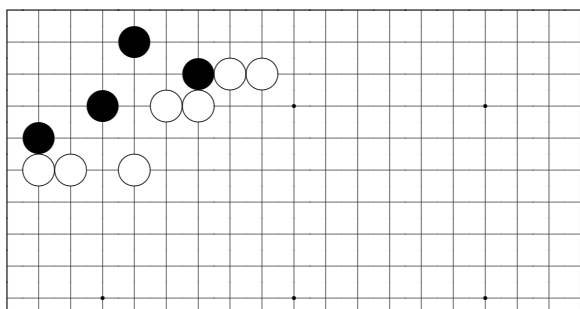
*Problem 974*



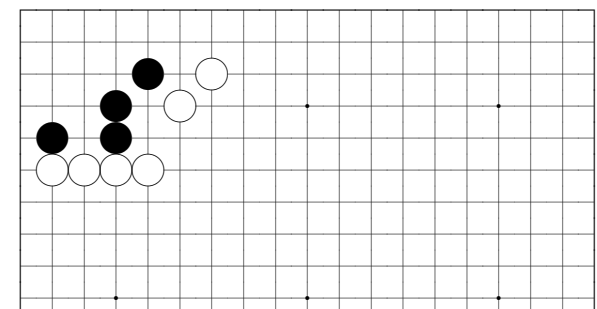
*Problem 971*



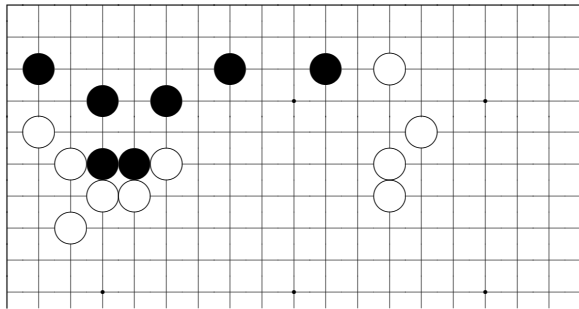
*Problem 975*



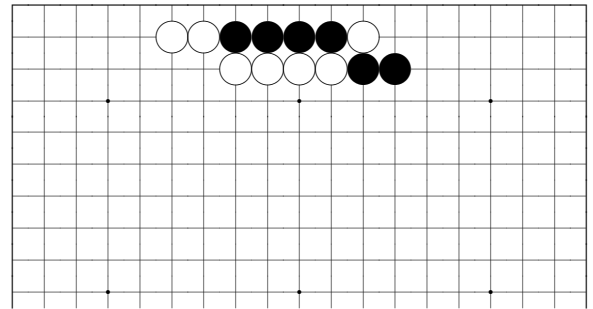
*Problem 972*



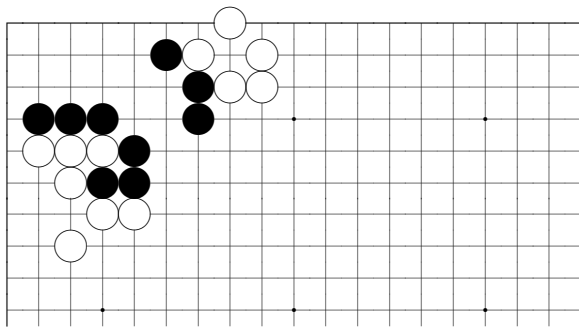
*Problem 976*



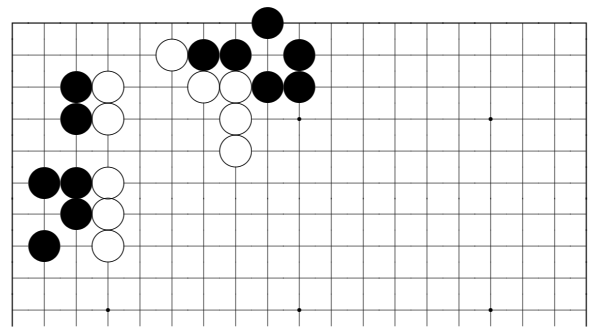
*Problem 977*



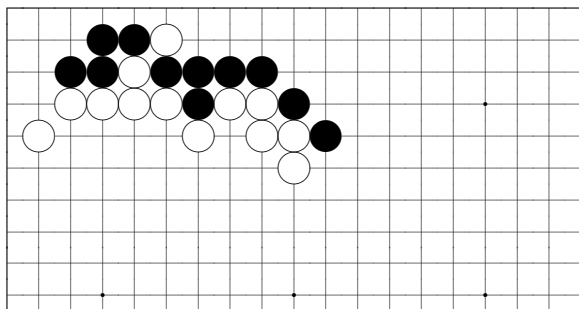
*Problem 981*



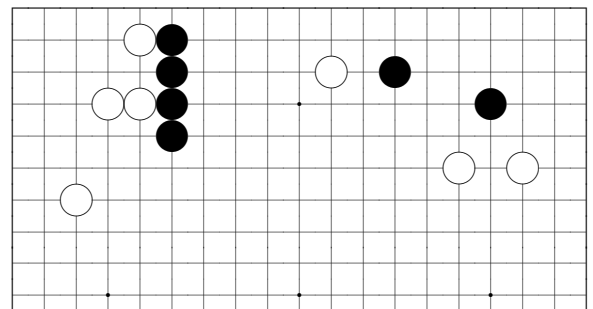
*Problem 978*



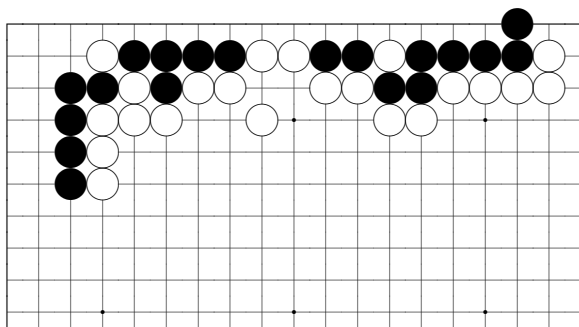
*Problem 982*



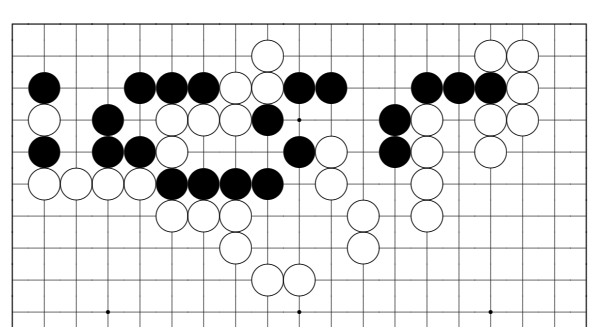
*Problem 979*



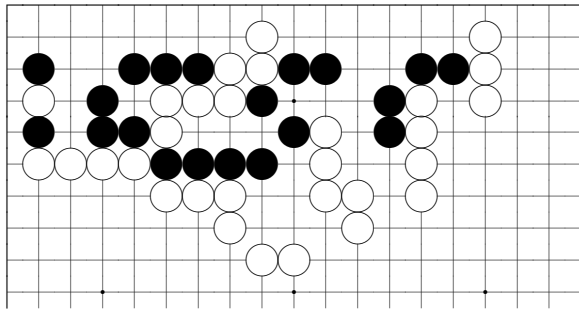
*Problem 983*



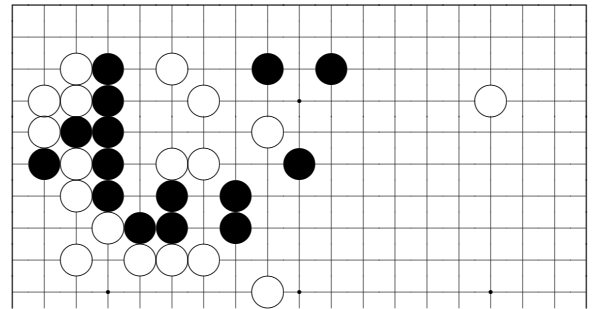
*Problem 980*



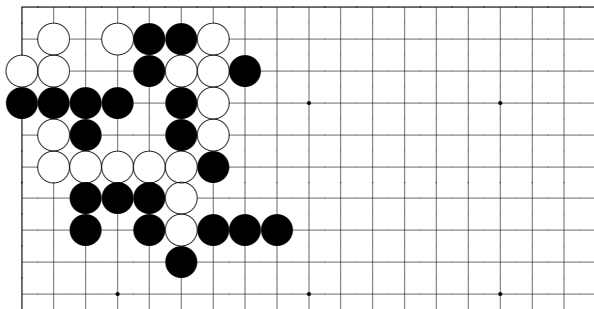
*Problem 984*



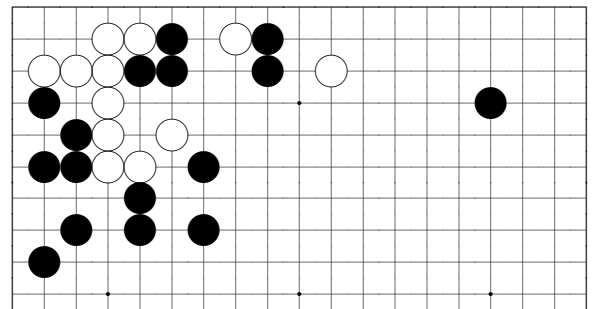
*Problem 985*



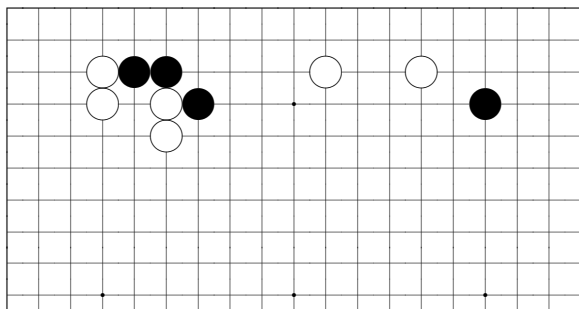
*Problem 989*



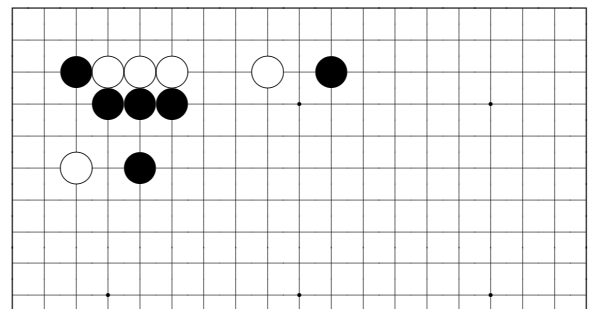
*Problem 986*



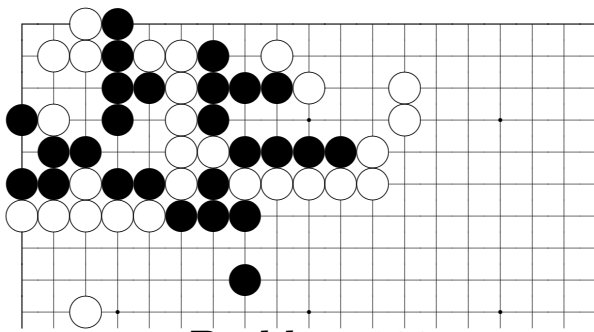
*Problem 990*



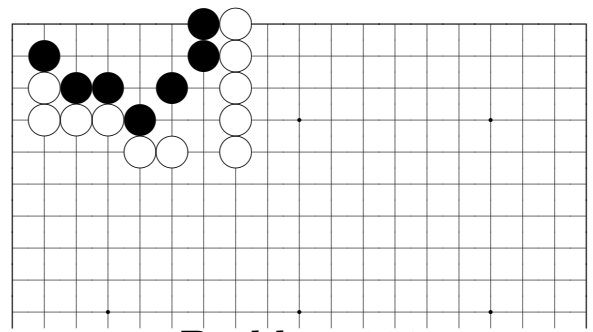
*Problem 987*



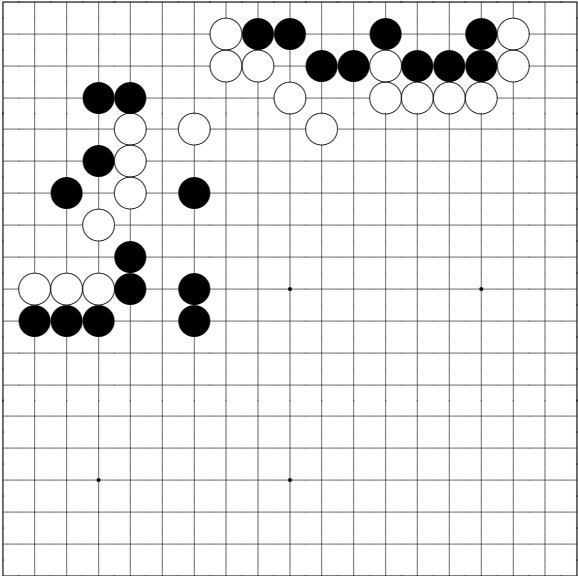
*Problem 991*



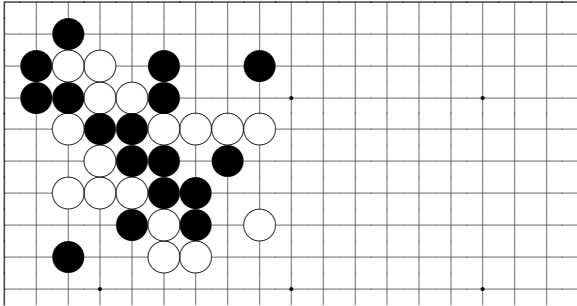
*Problem 988*



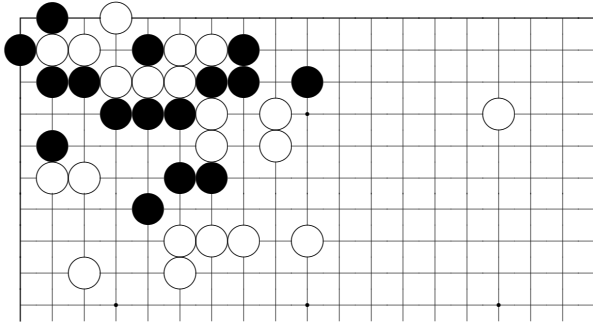
*Problem 992*



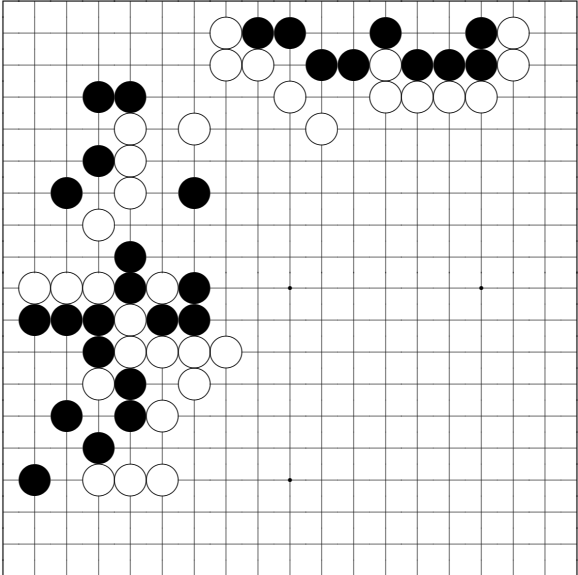
*Problem 993*



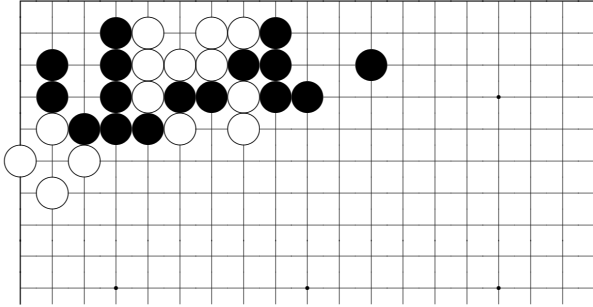
*Problem 995*



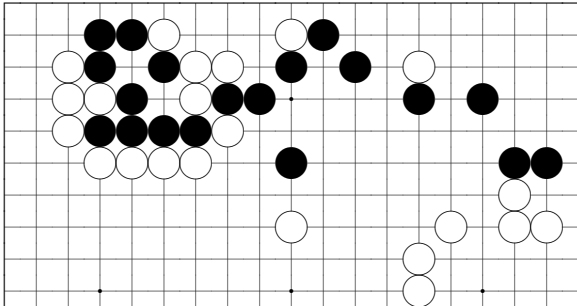
*Problem 996*



*Problem 994*

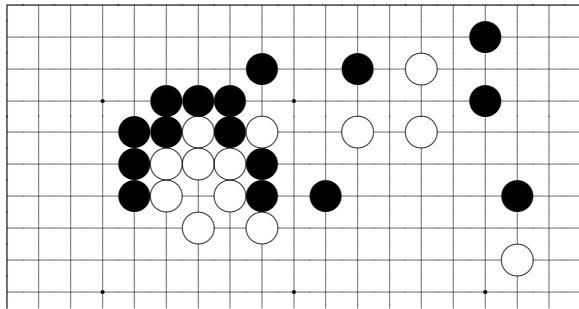


*Problem 997*

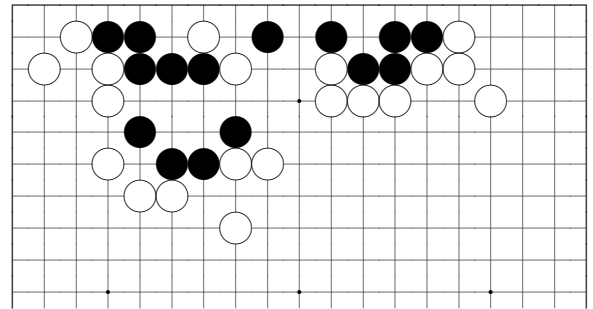


*Problem 998*

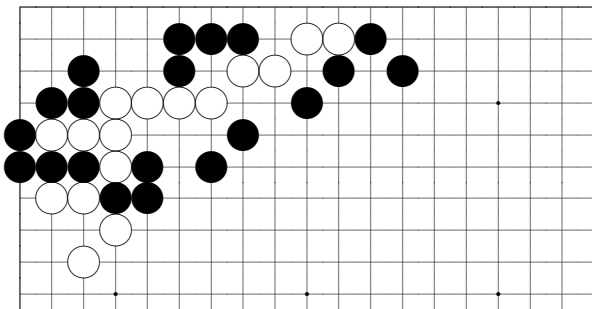




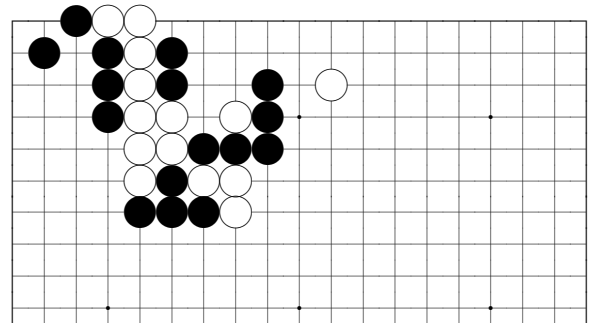
*Problem 999*



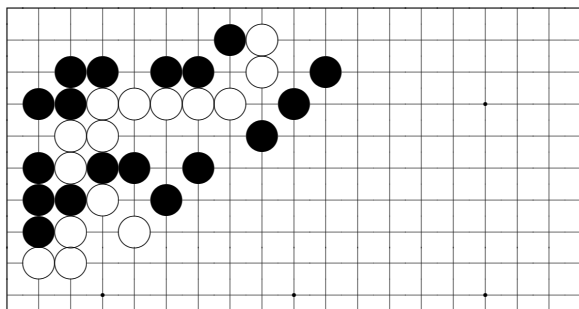
*Problem 1003*



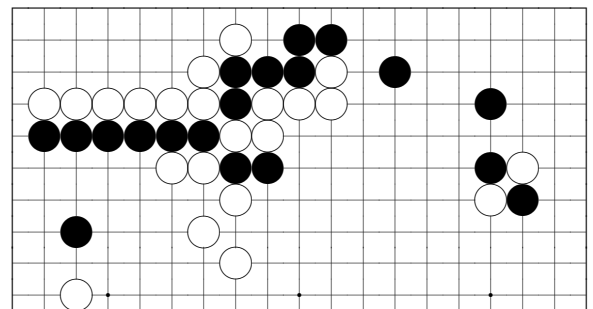
*Problem 1000*



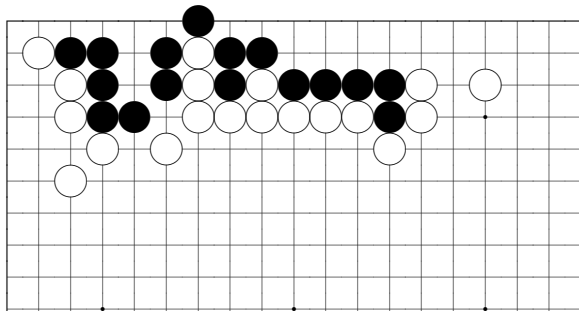
*Problem 1004*



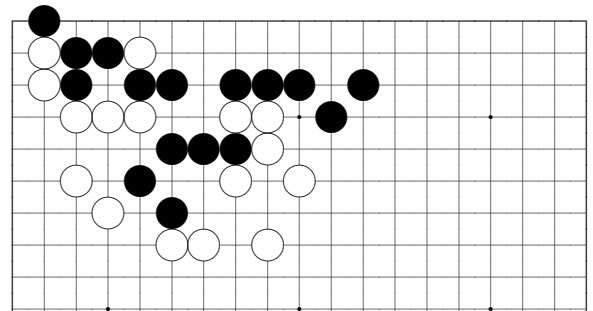
*Problem 1001*



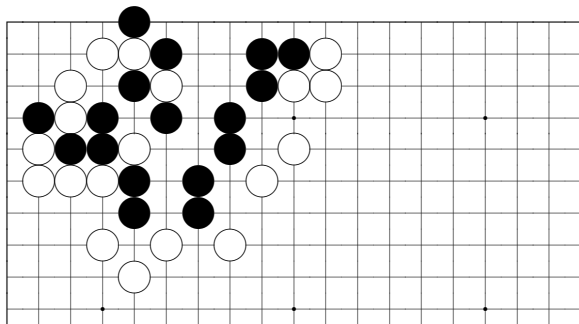
*Problem 1005*



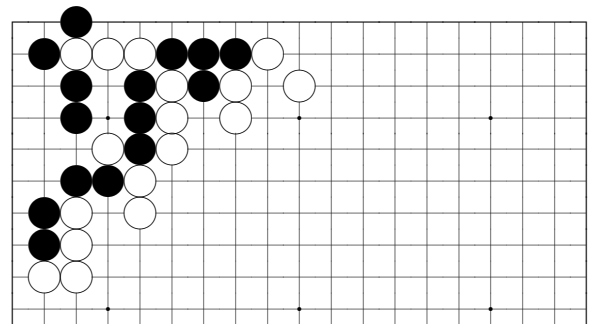
*Problem 1002*



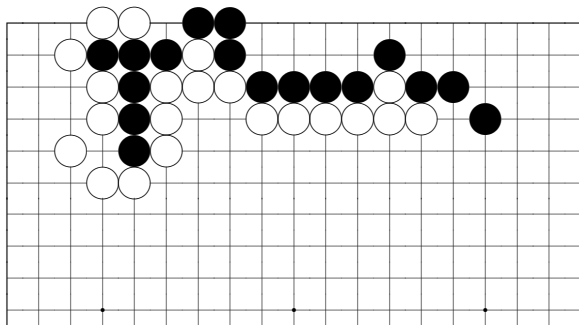
*Problem 1006*



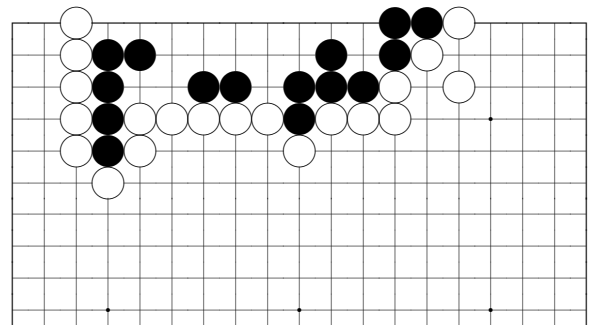
*Problem 1007*



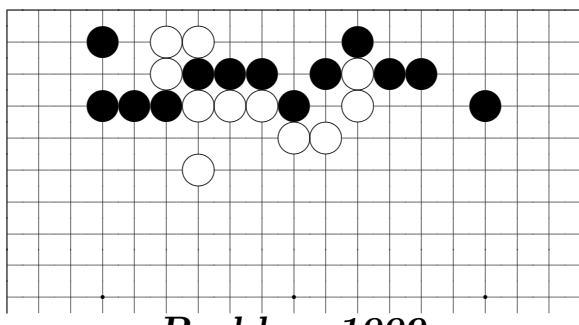
*Problem 1011*



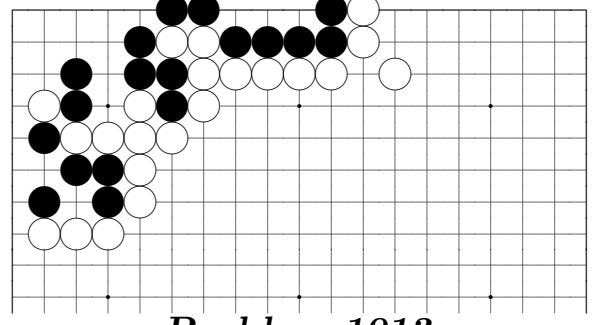
*Problem 1008*



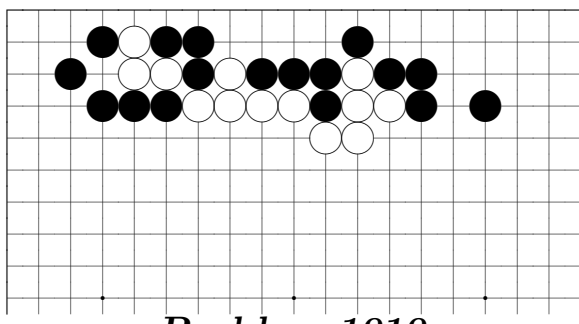
*Problem 1012*



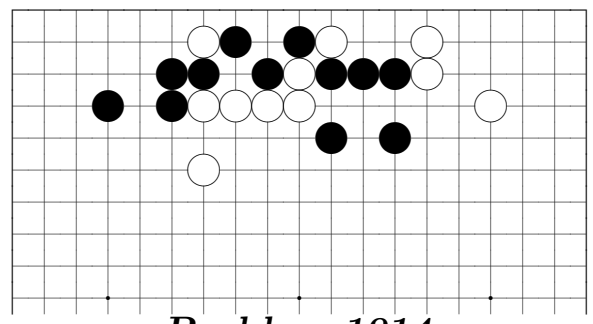
*Problem 1009*



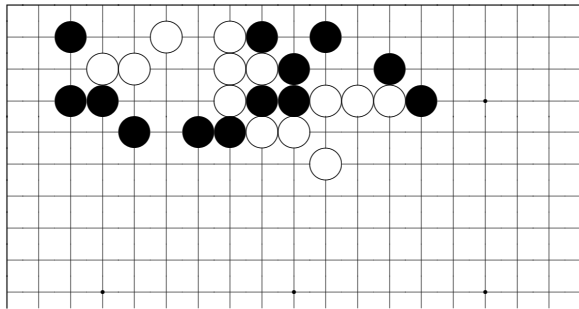
*Problem 1013*



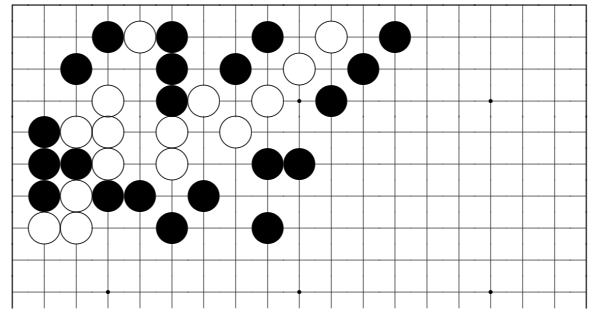
*Problem 1010*



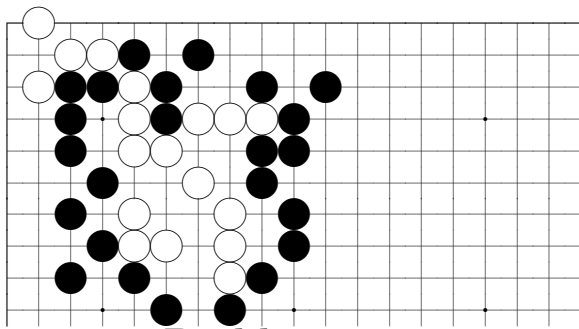
*Problem 1014*



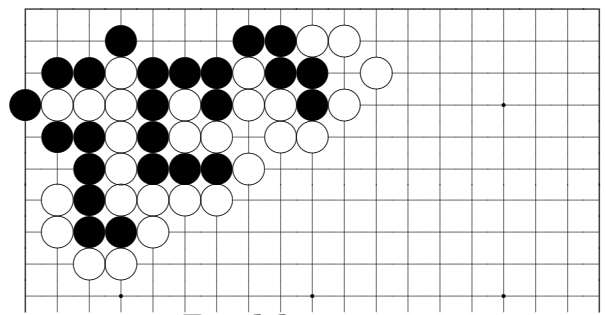
*Problem 1015*



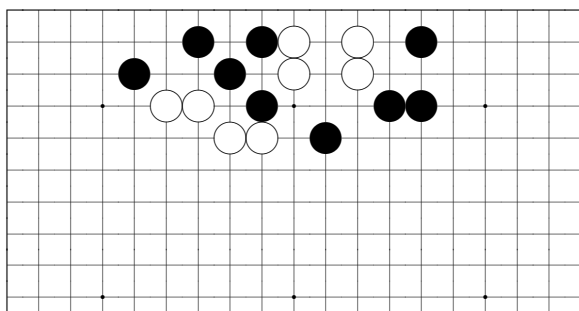
*Problem 1019*



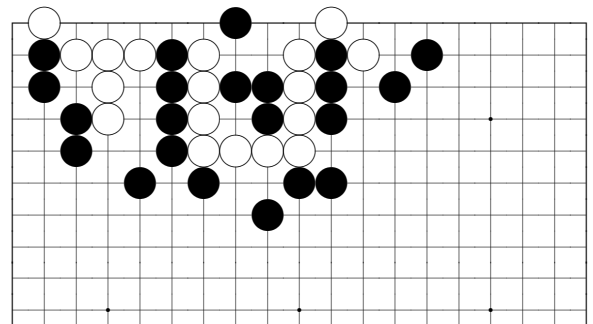
*Problem 1016*



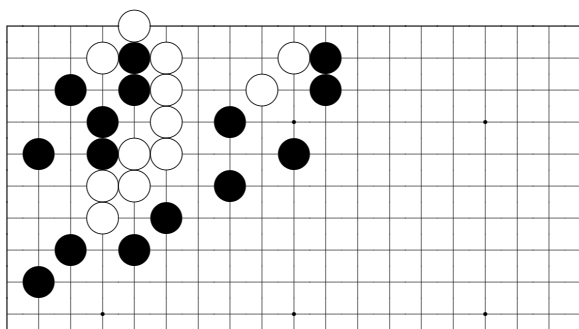
*Problem 1020*



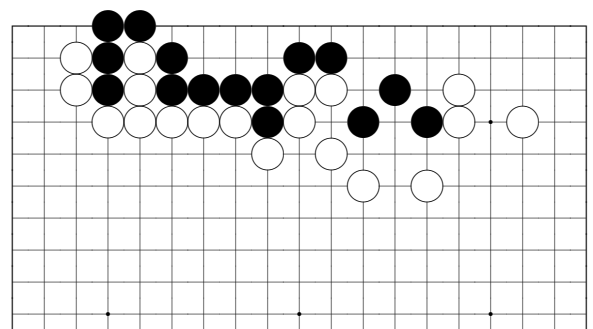
*Problem 1017*



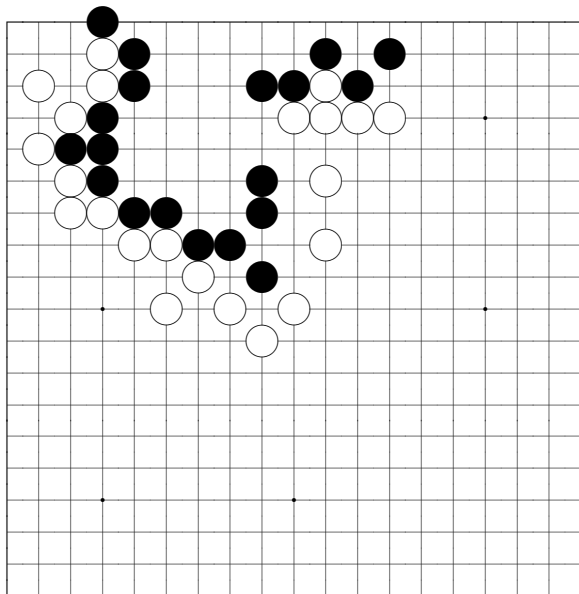
*Problem 1021*



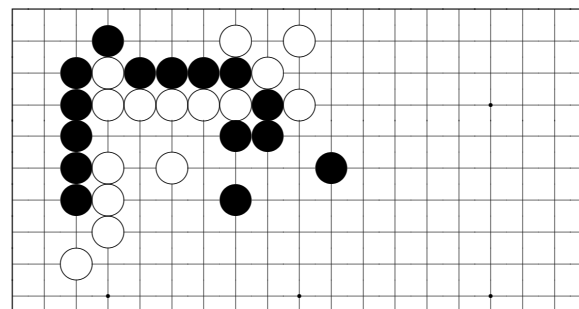
*Problem 1018*



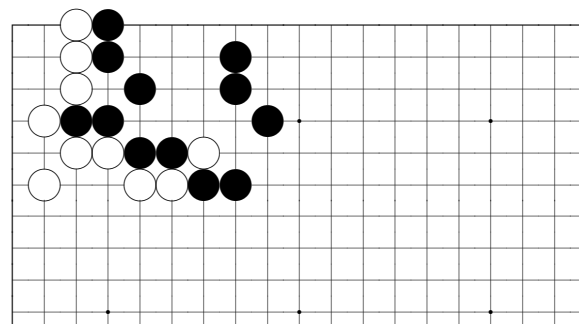
*Problem 1022*



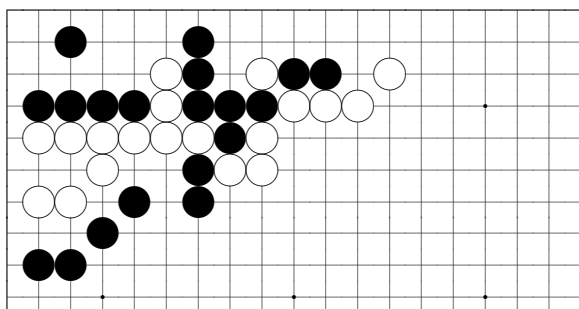
*Problem 1023*



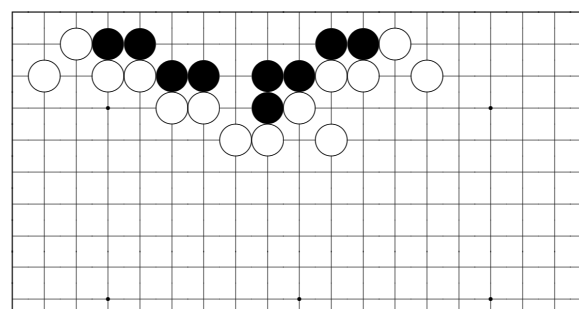
*Problem 1026*



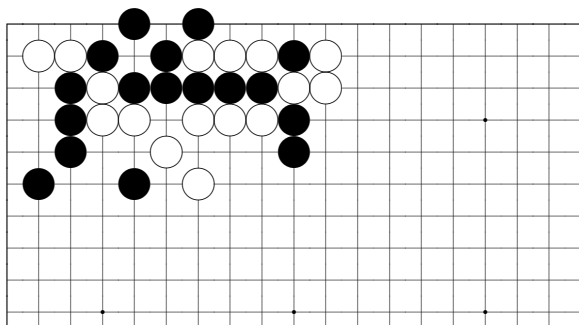
*Problem 1027*



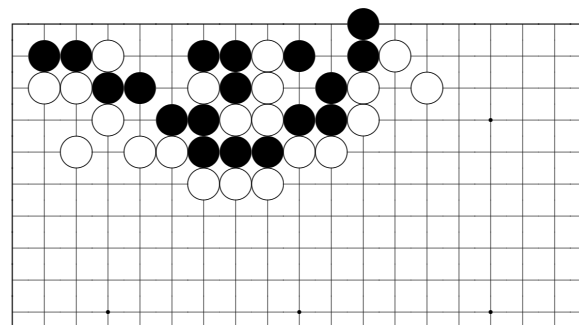
*Problem 1024*



*Problem 1028*

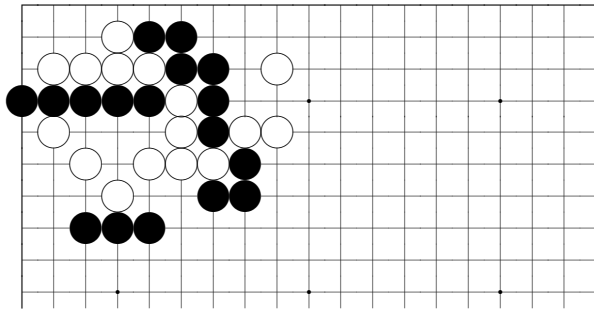


*Problem 1025*

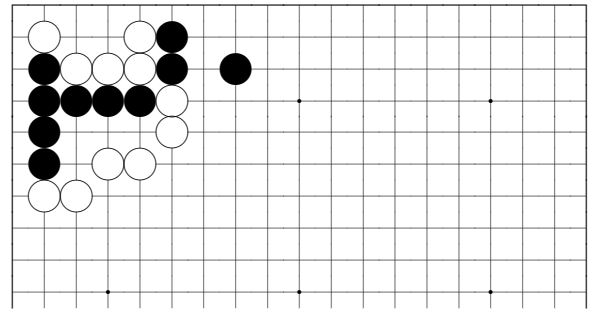


*Problem 1029*

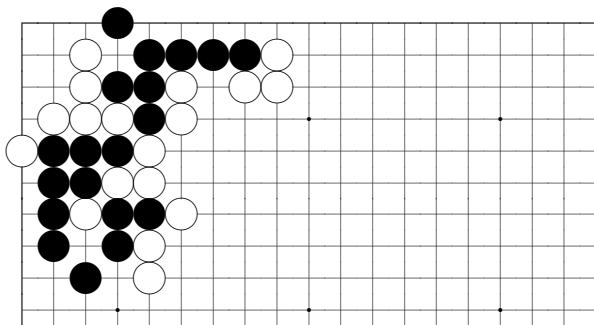




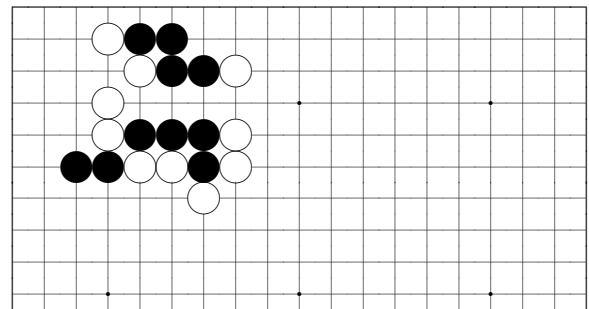
*Problem 1038*



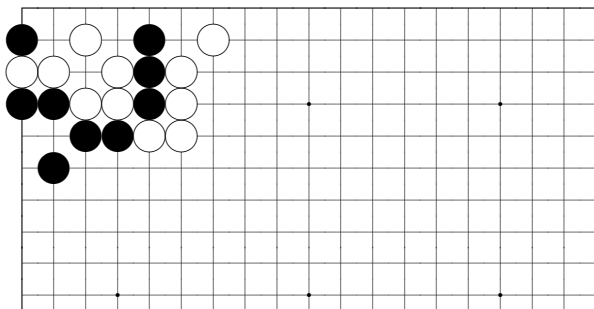
*Problem 1042*



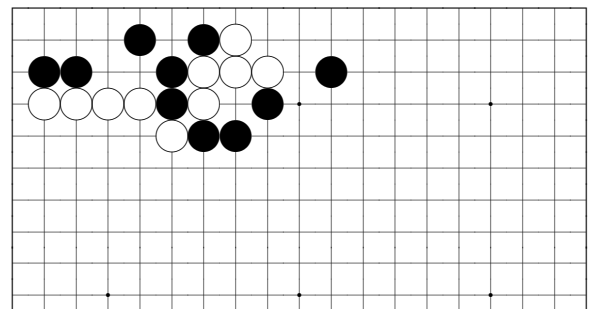
*Problem 1039*



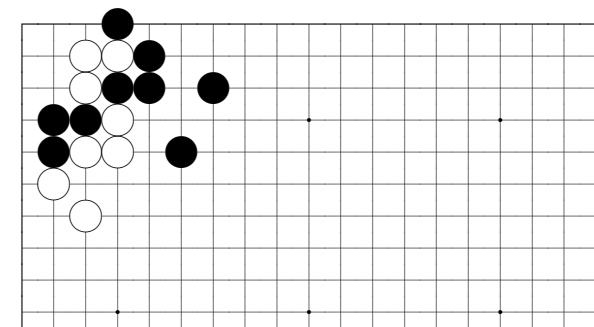
*Problem 1043*



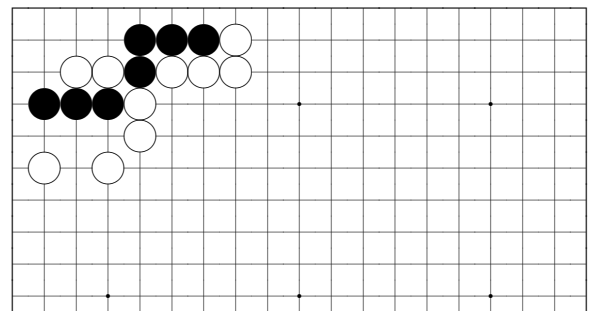
*Problem 1040*



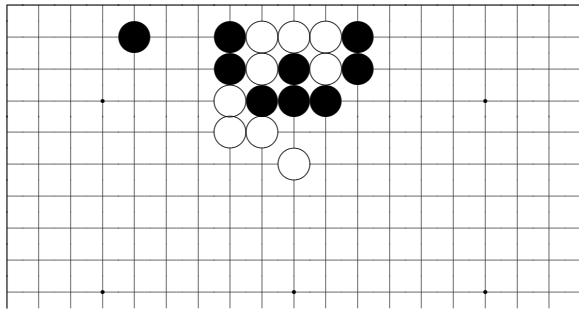
*Problem 1044*



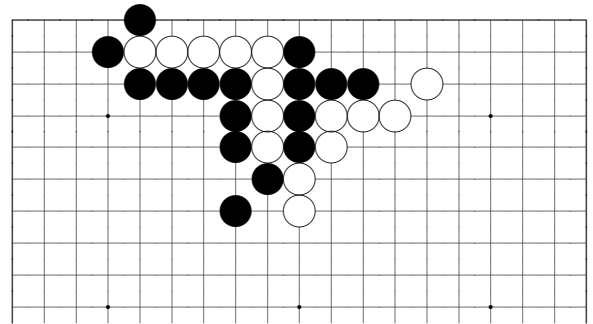
*Problem 1041*



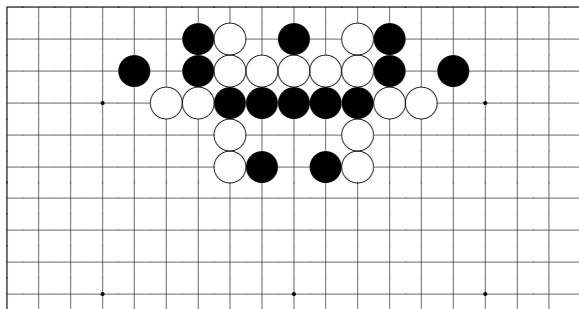
*Problem 1045*



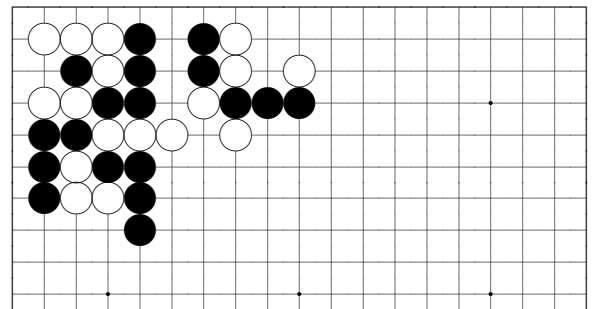
*Problem 1046*



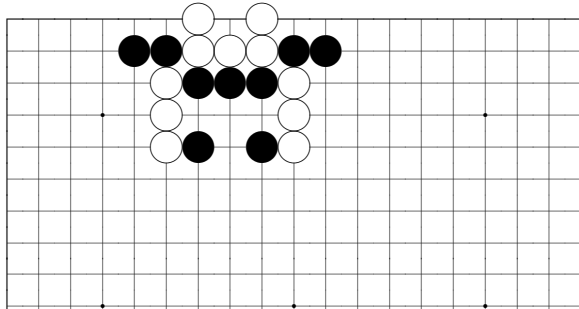
*Problem 1050*



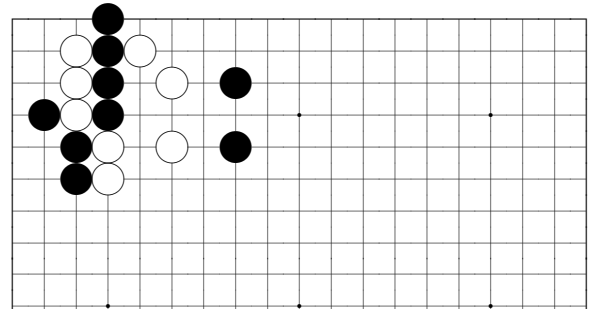
*Problem 1047*



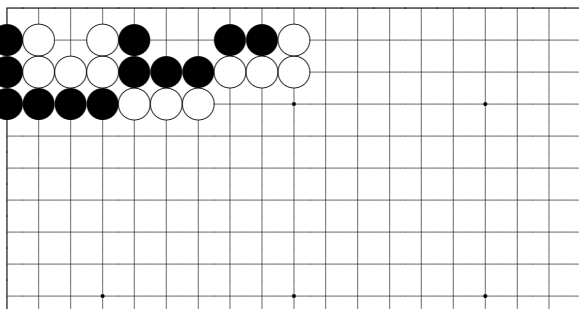
*Problem 1051*



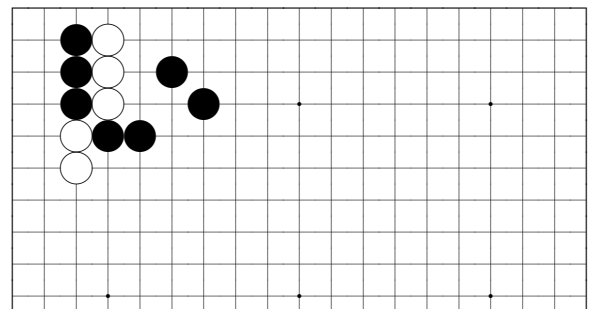
*Problem 1048*



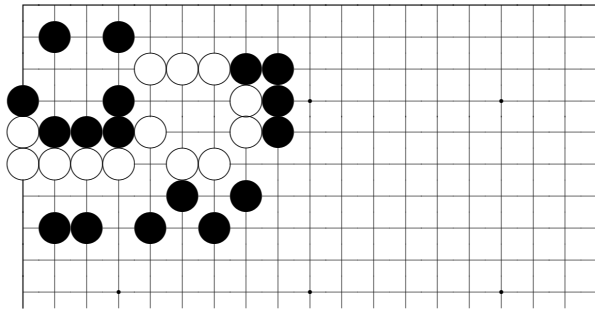
*Problem 1052*



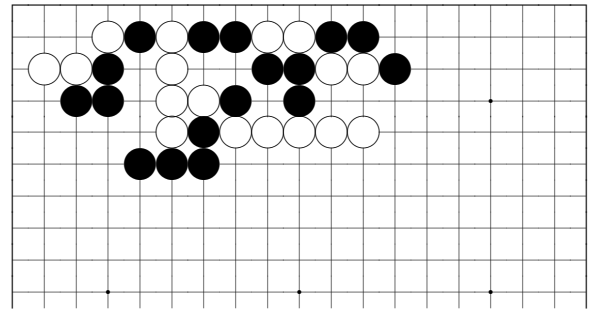
*Problem 1049*



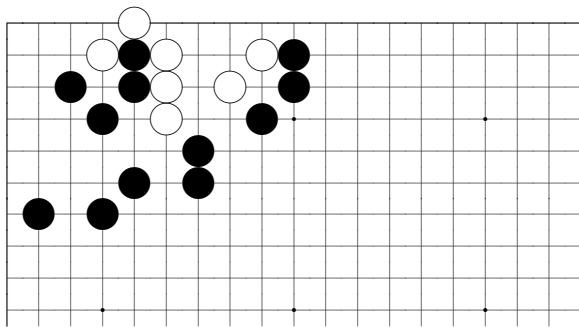
*Problem 1053*



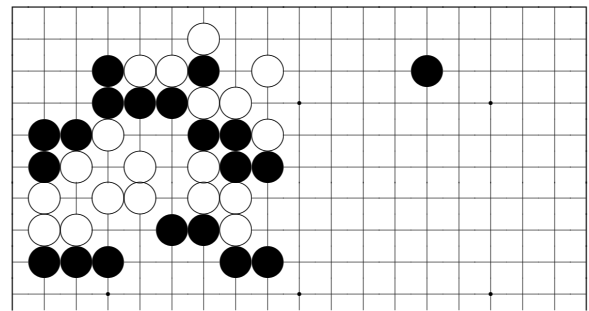
*Problem 1054*



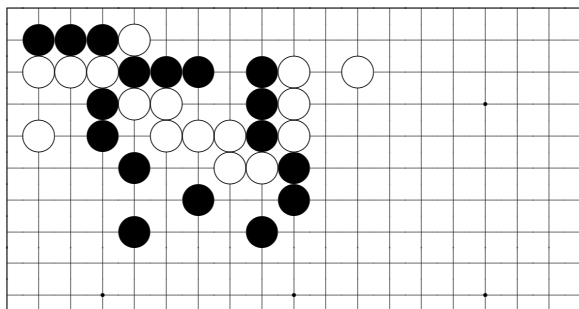
*Problem 1058*



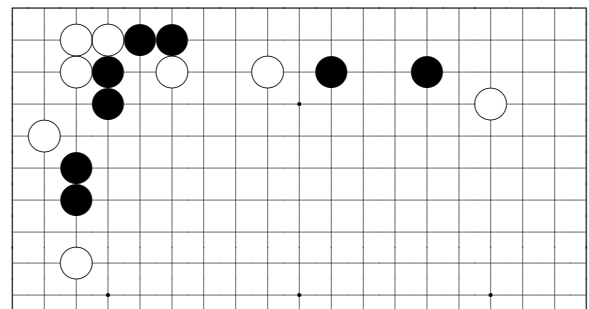
*Problem 1055*



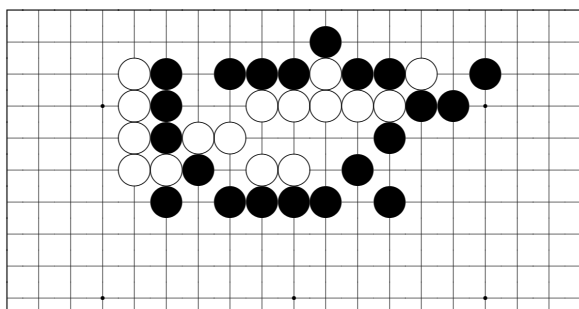
*Problem 1059*



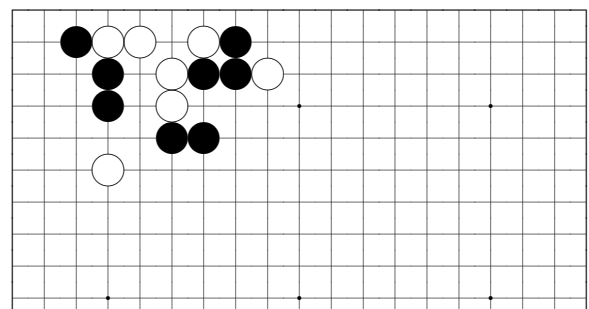
*Problem 1056*



*Problem 1060*

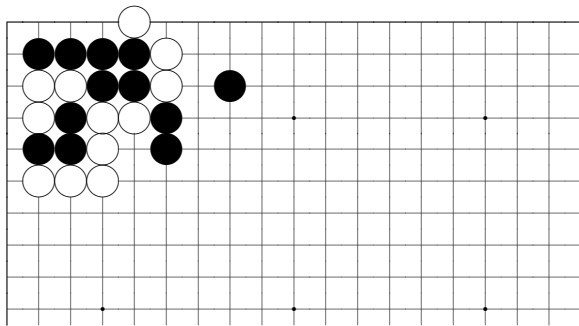


*Problem 1057*

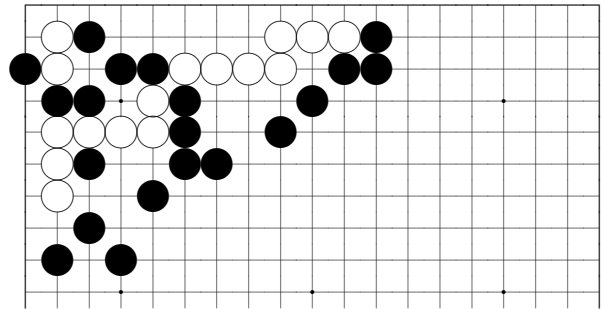


*Problem 1061*

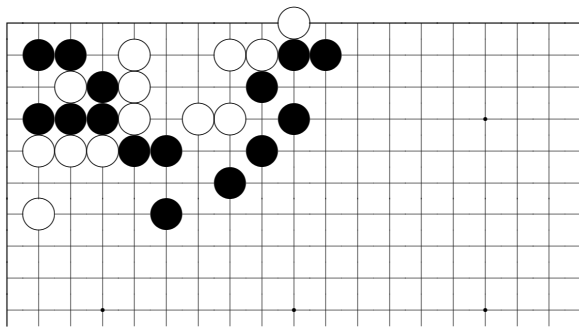




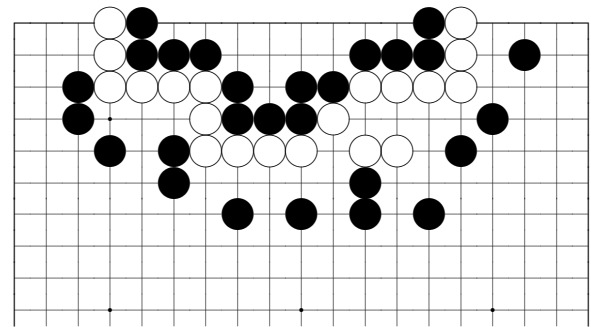
*Problem 1062*



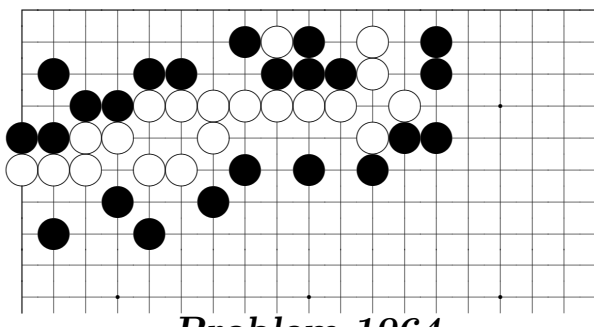
*Problem 1066*



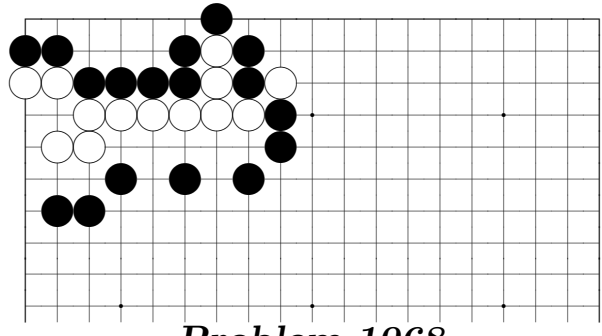
*Problem 1063*



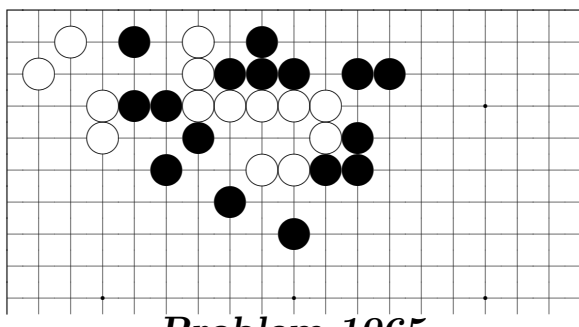
*Problem 1067*



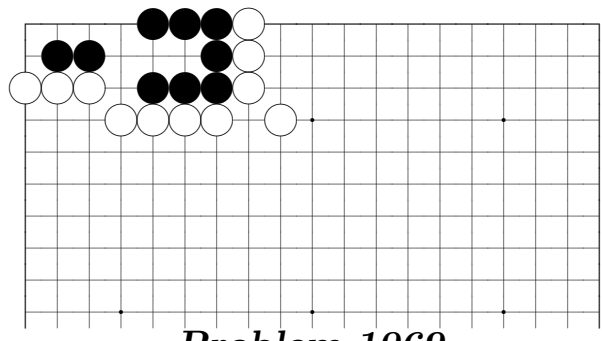
*Problem 1064*



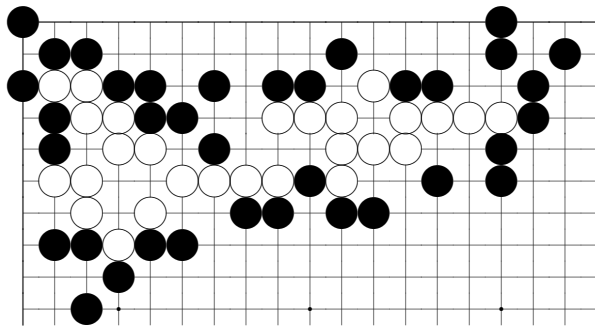
*Problem 1068*



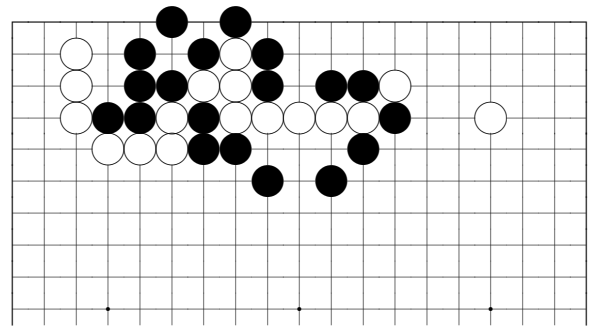
*Problem 1065*



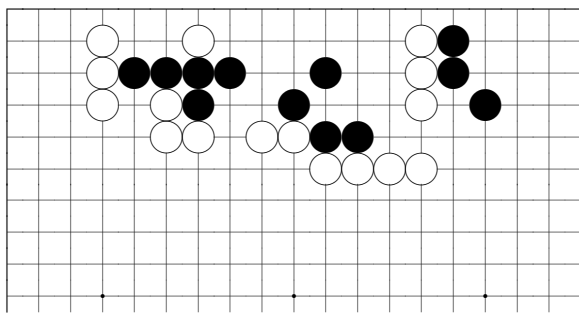
*Problem 1069*



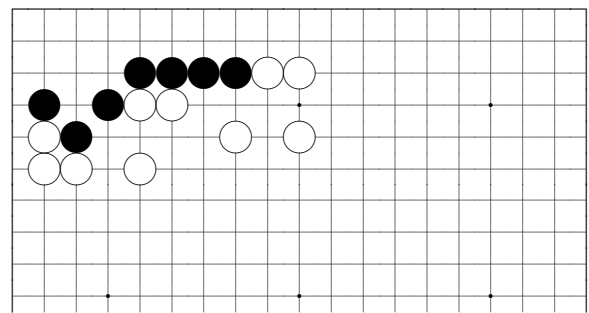
*Problem 1070*



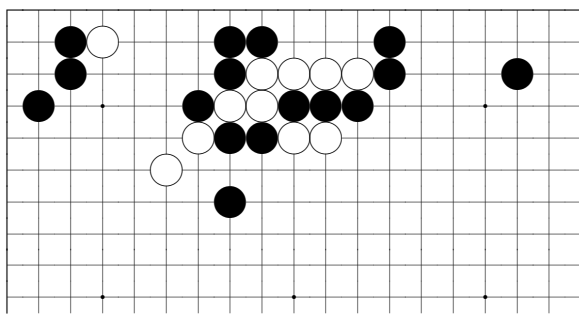
*Problem 1074*



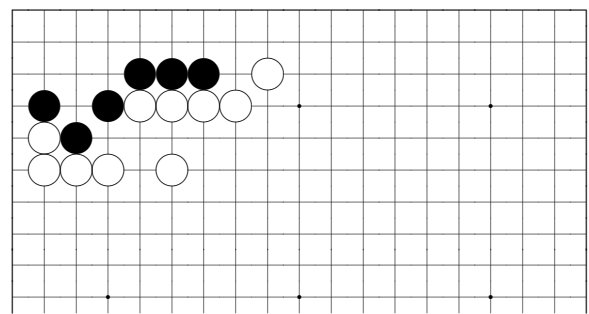
*Problem 1071*



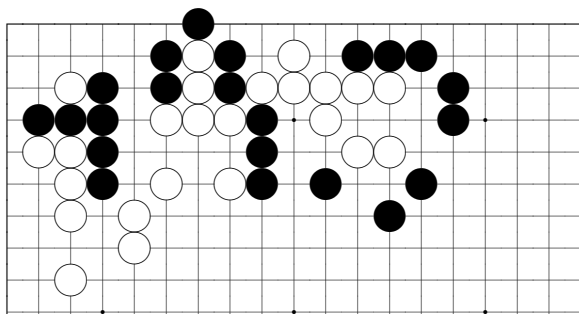
*Problem 1075*



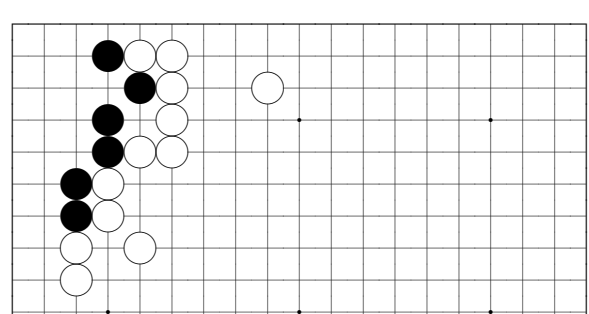
*Problem 1072*



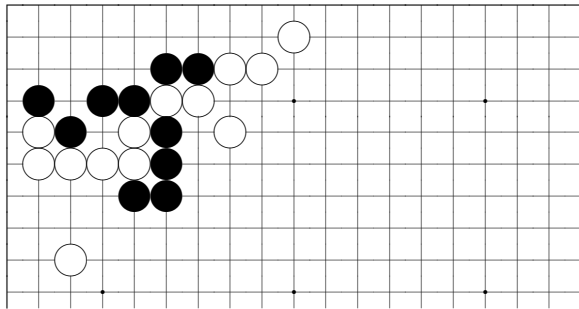
*Problem 1076*



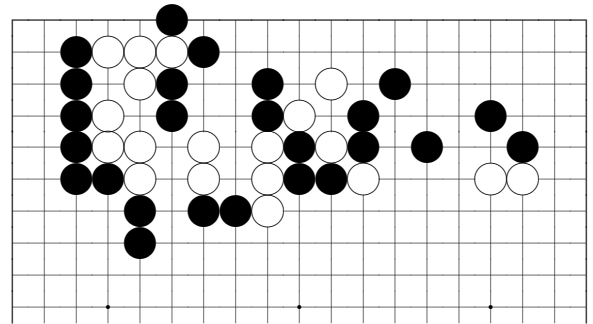
*Problem 1073*



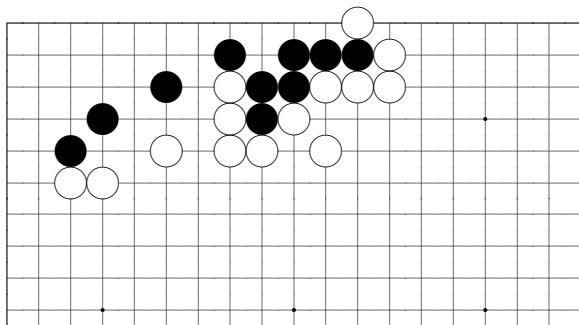
*Problem 1077*



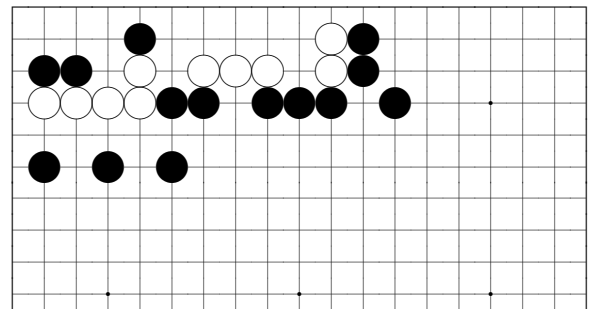
*Problem 1078*



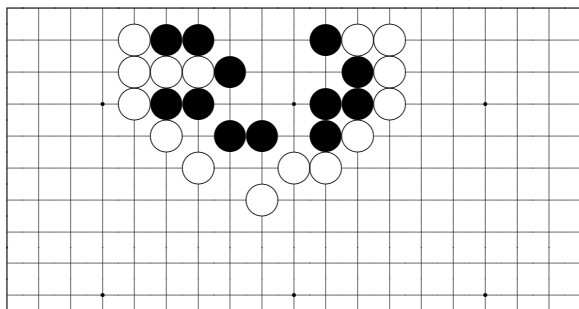
*Problem 1082*



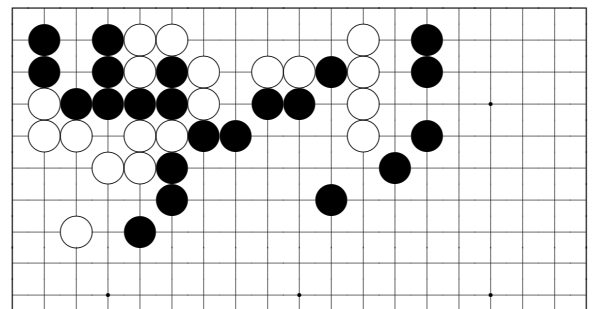
*Problem 1079*



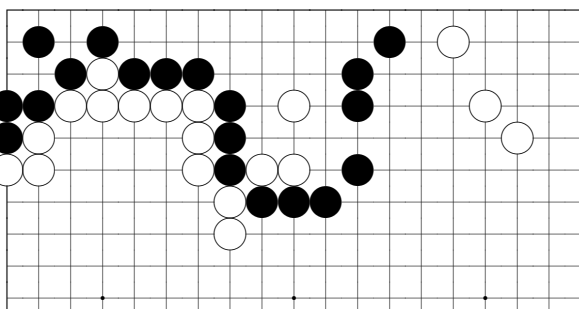
*Problem 1083*



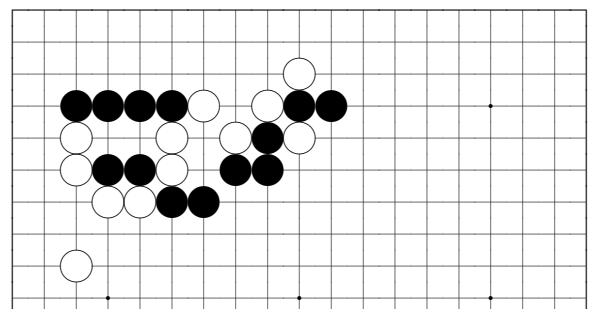
*Problem 1080*



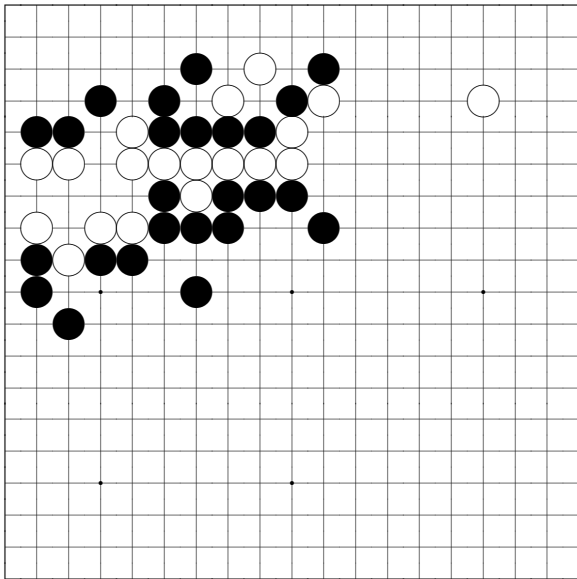
*Problem 1084*



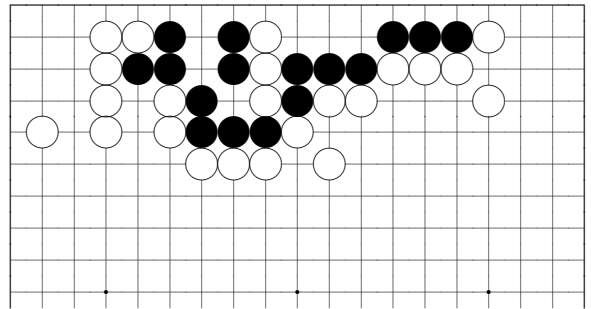
*Problem 1081*



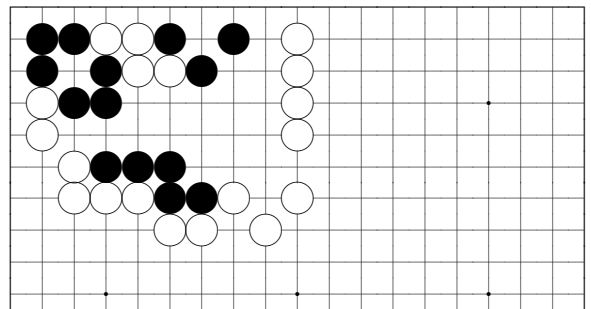
*Problem 1085*



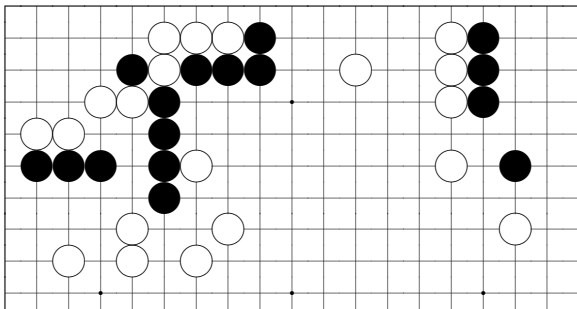
*Problem 1086*



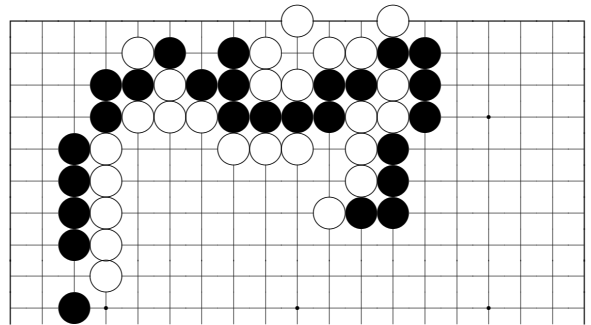
*Problem 1089*



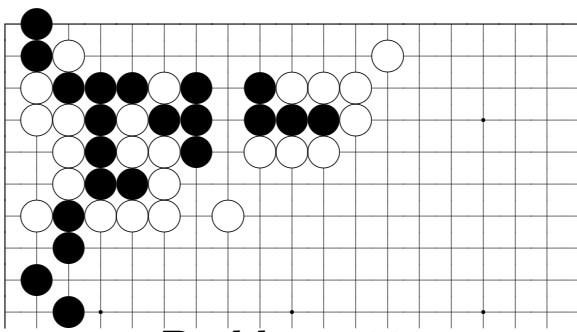
*Problem 1090*



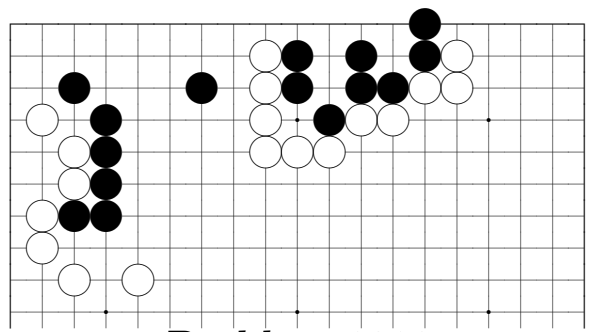
*Problem 1087*



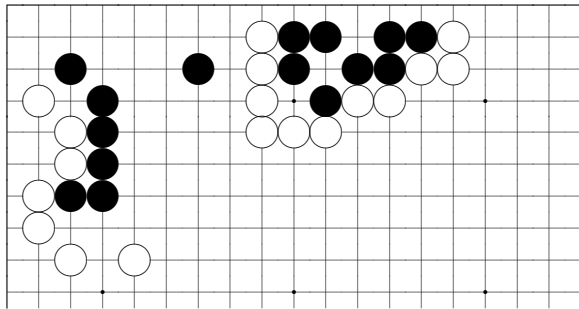
*Problem 1091*



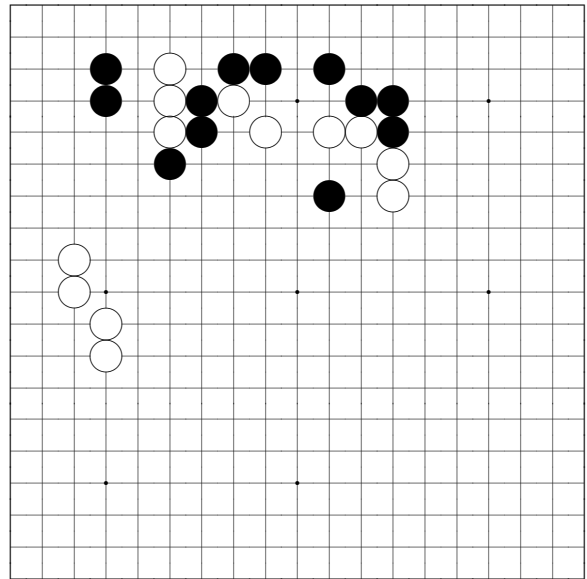
*Problem 1088*



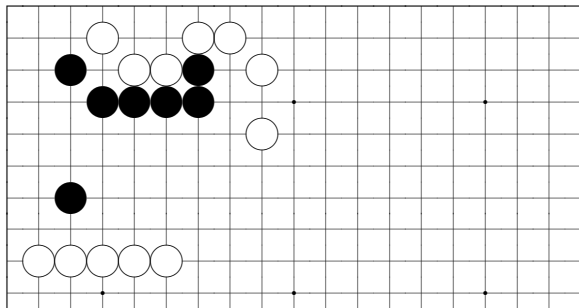
*Problem 1092*



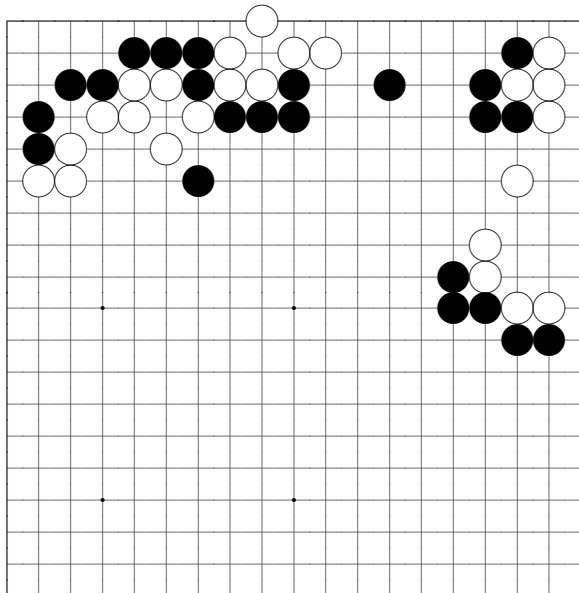
*Problem 1093*



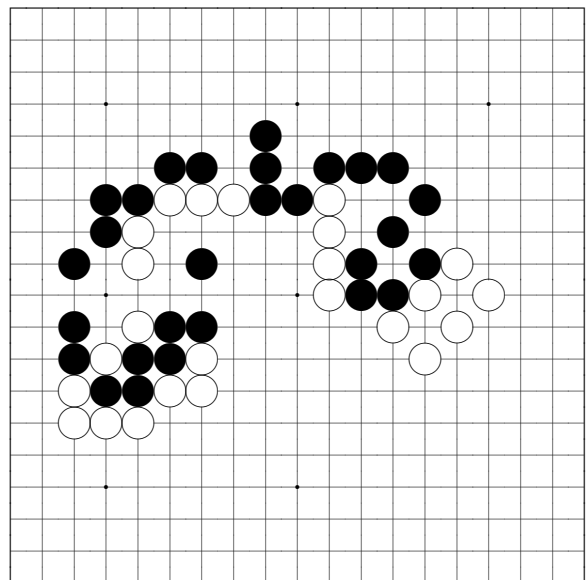
*Problem 1096*



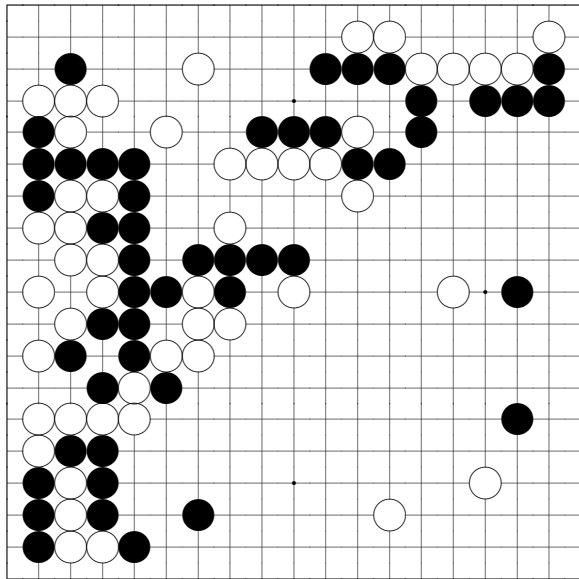
*Problem 1094*



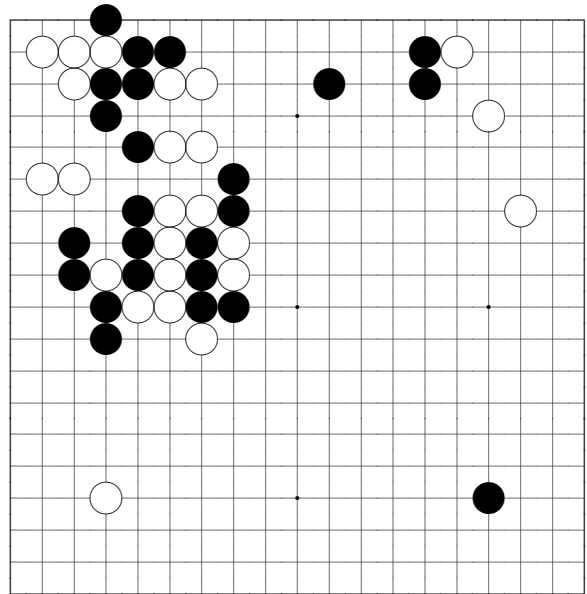
*Problem 1095*



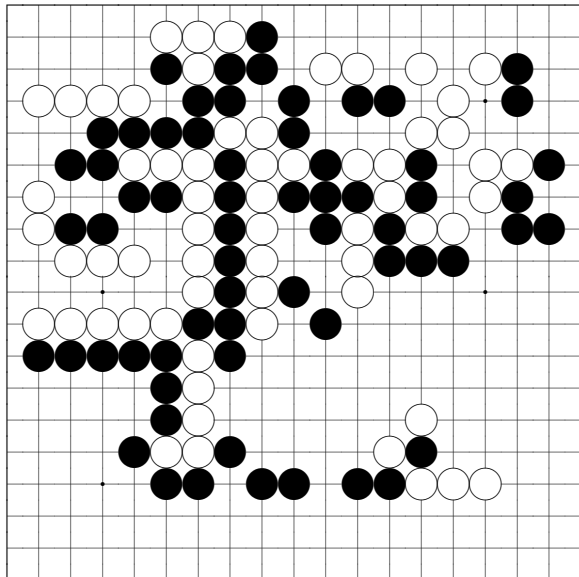
*Problem 1097*



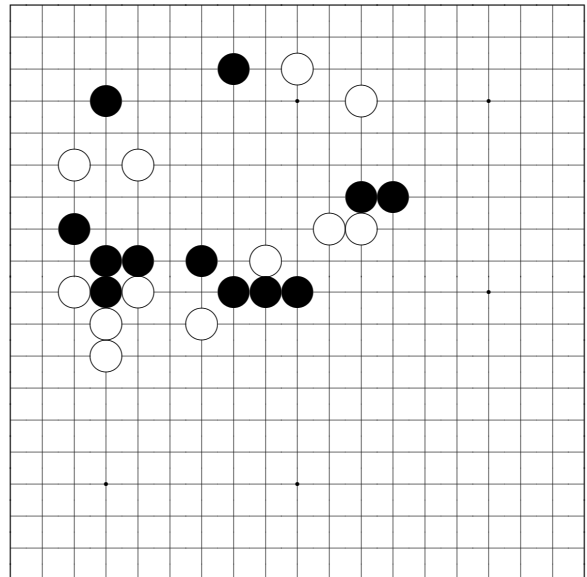
*Problem 1098*



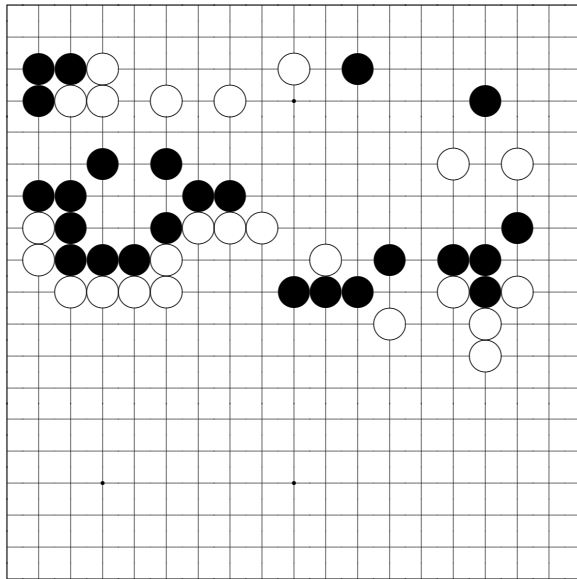
*Problem 1100*



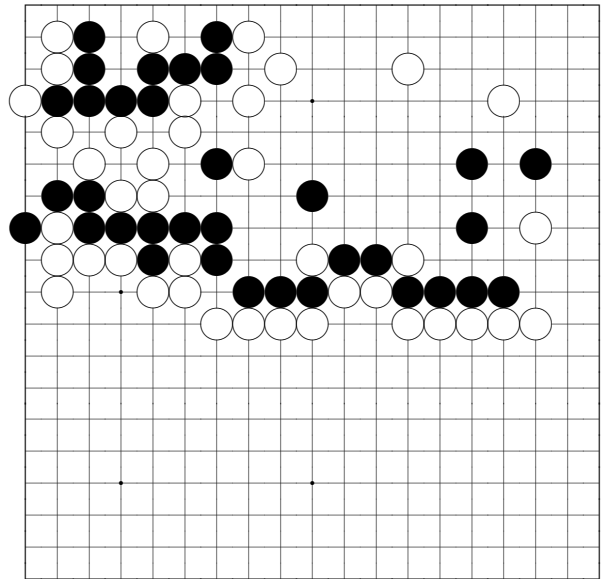
*Problem 1099*



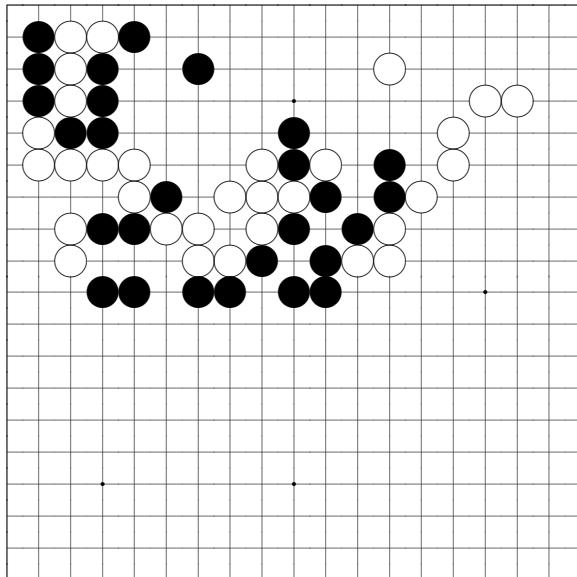
*Problem 1101*



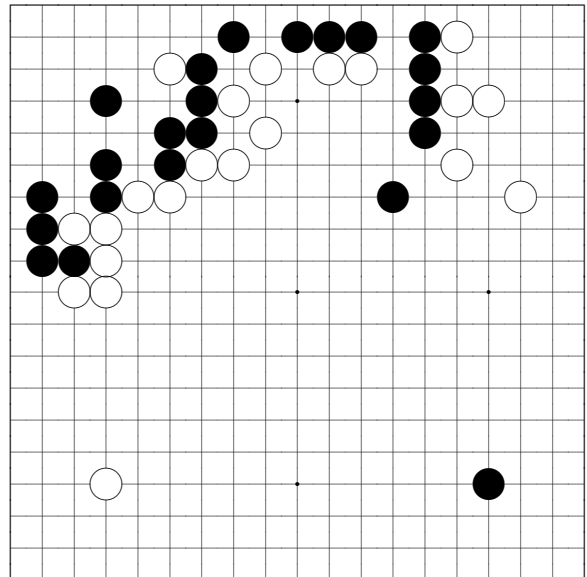
*Problem 1102*



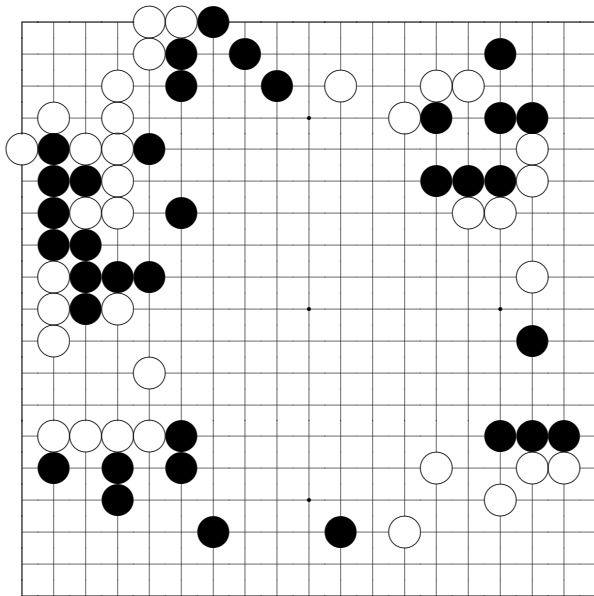
*Problem 1104*



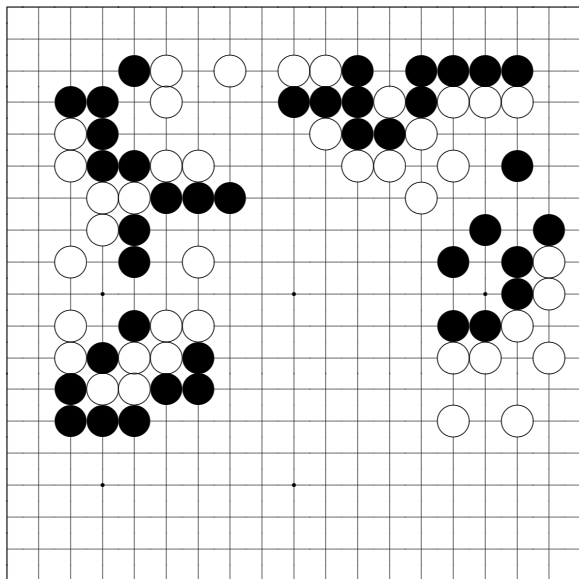
*Problem 1103*



*Problem 1105*



*Problem 1106*



*Problem 1107*