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%!PS-Adobe-1.0
%%Title: igosup
%%CreationDate: Tue Oct 11 17:01:27 1994
%%BoundingBox: 0 0 612 792
%%Pages: 1
%%DocumentFonts: Times-Roman Helvetica-Bold
%%EndComments
/atkDict 8 dict def
atkDict begin

gsave
/pagesave 0 def
/beginpage {/pagesave save store} def
/endpage {showpage pagesave restore} def
/tF0 /Times-Roman findfont def
/godict 55 dict def
/tF1 /Helvetica-Bold findfont def
/tL {/tY exch store} bind def
/tY 0 def

godict begin

% basic parameters
/Black {0 0 0 setrgbcolor} def
/White {1 1 1 setrgbcolor} def
/BoardColor {1 1 1 setrgbcolor} def
%/BoardColor {.94 .90 .55 setrgbcolor} def % for color printer (burlywood1)
/linethick .04 def % linethickness

%derived parameters
/bscolor /Black load def % black stone color
/bsnotecolor /White load def % color of notes on black stones
/bsradius .5 def % black stone radius

/wscolor /White load def % white stone color
/wsedgecolor /Black load def % color of white stone edge
/wsnotecolor /Black load def % color of notes on white stones
/wsthick linethick 5 mul 4 div def % white stone edge thickness
/wsradius bsradius wsthick 2 div sub def %white stone radius

/linecolor /Black load def % color of lines on board
% /linethick defined above
/edgethick linethick 1.5 mul def % thickness of edge lines

/hoshicolor /linecolor load def % color of hoshi dot
/hoshiradius linethick 3 mul def % radius of hoshi dot

/boardnotecolor /Black load def
/notethick linethick 2 mul def % thickness of lines in symbols
/noteaura .15 def % erase lines closer to letters than this
/symradius wsradius .7 mul def % radius of symbols
/leht .53 def % height of letters and digits
/notew .84 def % width of multidigit numbers
/corner 2 sqrt 2 div symradius mul def % x&y coords of end of diagonal cross
/trix 3 sqrt 2 div symradius mul def % x for triangle bottom corners

/strbounds { % start with string on stack. leave llx urx ury lly
    gsave
    newpath 0 0 moveto
    false charpath flattenpath pathbbox % llx lly urx ury
    3 -1 roll % llx urx ury lly
    grestore
} def

% define fonts for notes in stones
/Helvetica-Bold findfont setfont
% onedigitfont is scaled so height of (8) is leht
(8) strbounds sub /dy exch def pop pop
/onedigitfont
    currentfont leht dy div dup neg [ 1 0 0 1 0 0 ] scale
    makefont def
% twodigitfont is same height but scaled to fit (88) in notew width

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        (88) strbounds pop pop      exch sub /dx exch def
/twodigitfont onedigitfont [ notew dx div 0 0 1 0 0 ] makefont def
        (188) strbounds pop pop      exch sub /dx exch def
/threedigitfont onedigitfont [ notew dx div 0 0 1 0 0 ] makefont def

(%) {
    % draw a diagonal cross
    moveto corner neg dup rmoveto
    corner 2 mul
    dup dup rlineto
    dup neg 0 rmoveto
    dup neg rlineto
} def

(+) {
    % draw an orthogonal cross
    moveto symradius neg 0 rmoveto symradius 2 mul 0 rlineto
    symradius neg dup rmoveto 0 symradius 2 mul rlineto
} def

(#) {
    % draw a square
    moveto corner dup rmoveto
    corner 2 mul
    dup neg 0 rlineto dup 0 exch neg rlineto
    0 rlineto closepath
} def

(@) {
    % draw a circle
    symradius notethick 2 div sub 0 360 arc
} def

(^) {
    % draw a triangle
    moveto 0 symradius neg rmoveto
    trix symradius 1.5 mul rlineto
    trix -2 mul 0 rlineto
    closepath
} def

(-) {
    % draw a dash
    moveto symradius neg 0 rmoveto
    symradius 2 mul 0 rlineto
} def

/dxdy {
    % compute dx and dy to center the string on stack
    strbounds
    add 2 div neg /dy exch def
    add 2 div neg /dx exch def
} def

/showcentered { % shows its arg string centered at current point
    dup dxdy dx dy rmoveto show
} def

/noteparams { % compute offset to center string on a point
    % stack : n
    % results: set sproc, dx and dy; choose and set font
    /n exch def
    godict n known {
        % special symbol
        /proc godict n get def
    }{
        % text : get offsets from pathbbox
        /proc 0 def
        [ onedigitfont onedigitfont twodigitfont threedigitfont ]
        n length {get} stopped {onedigitfont} if setfont
        n dxdy
    } ifelse
} def

/note {
    % draw annotation      stack: x y note
    % notes are: integer letter @ + % # ^
    % color must have been set

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/n exch def
newpath          % at center of spot
/proc load 0 ne {
  % special symbol
  0 setlinecap
  notethick setlinewidth
  proc stroke    % perform function for special symbol
}{}
  % text
  moveto dx dy rmoveto
  n show
} ifelse
} def

/wst {           % white stone      stack: x y
  2 copy
  wscolor
  newpath wsradius 0 360 arc fill
  wsthick setlinewidth
  wsedgecolor
  newpath wsradius 0 360 arc stroke
} def

/bst {           % black stone      stack: x y
  bscolor
  newpath bsradius 0 360 arc fill
} def

/wstn { % white stone with note      stack: x y note
  3 copy noteparams
  wst
  wsnotecolor
  note
} def

/bstn { % black stone with note      stack: x y note
  3 copy noteparams
  bst
  bsnotecolor
  note
} def

/hoshi {         % draw hoshi dot    stack: x y
  hoshicolor
  newpath hoshiradius 0 360 arc fill
} def

/spotn {         % note on empty spot stack: x y note
  % stroke with wide stroke and then scale to size to fill
  3 copy          % x y n x y n
  /n exch def
  % figure out what part of grid to hide
  n noteparams
  gsave
  newpath translate 0 0
  /proc load 0 ne {
    proc strokepath % outline the symbol
  }{}
  moveto dx dy rmoveto
  n false charpath flattenpath
} ifelse
noteaura setlinewidth
1 setlinejoin
strokepath
0 0 noteaura 2 mul 0 360 arc
BoardColor fill
grestore

boardnotecolor note
} def

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end      % stop defining godict

grestore

%%EndProlog
% This document was generated by an AUIS text object.
%%Page: 1 1
beginpage
700 tL

gsave
90 tY 361 sub translate
0 0 moveto 362 0 lineto 362 373 lineto 0 373 lineto closepath clip newpath
  % gofig: Go Diagram  19 rows by 19 columns

godict begin
16.9787 17.5193 % spot size
dtransform round exch round exch idtransform
/sph exch def /spw exch def % in print pixels
362 spw -18 mul add 2 div
373 sph 18 mul add 2 div
translate      spw sph neg scale
/Times-Roman findfont [0.680 0 0 -0.680 0 0 ]
makefont setfont
% /inxlet (ABCDEFGHIJKLMNOPQRSTUVWXYZ) def
% 0 1 18 { %draw top/bottom indices
%     dup dup newpath
%     inxlet exch 1 getinterval /let exch def
%     -0.925 moveto let showcentered
%     18.925 moveto let showcentered
% } for
% 0 1 18 { % draw side indices
%     dup dup newpath
%     19 exch sub inxlet cvs /let exch def
%     -0.925 exch moveto let showcentered
%     18.925 exch moveto let showcentered
% } for
2 setlinecap linecolor linethick setlinewidth
1 1 17 { %draw horizontals
    dup newpath 0 exch moveto 18 exch lineto stroke
} for
1 1 17 { %draw verticals
    dup newpath 0 moveto 18 lineto stroke
} for
edgethick setlinewidth      % board edges
newpath 0 0 moveto 0 18 lineto stroke
newpath 18 0 moveto 18 18 lineto stroke
newpath 0 0 moveto 18 0 lineto stroke
newpath 0 18 moveto 18 18 lineto stroke
3 3 hoshi
3 15 hoshi
3 9 hoshi
15 3 hoshi
15 15 hoshi
15 9 hoshi
9 3 hoshi
9 15 hoshi
9 9 hoshi

0 10 bst
0 12 wst
0 13 bst
0 15 bst
0 17 wst

1 10 bst
1 11 bst
1 12 wst
1 13 wst
1 14 bst
1 15 bst
1 16 bst

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2 10 bst
2 11 wst
2 13 wst
2 14 wst
2 15 bst
2 17 bst
2 18 bst
```

```
3 10 bst
3 11 bst
3 12 wst
3 14 wst
3 15 bst
3 16 wst
3 17 bst
3 18 wst
```

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4 11 bst
4 12 wst
4 13 wst
4 15 wst
4 16 wst
4 17 wst
```

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5 11 wst
5 12 bst
5 13 bst
5 14 wst
5 15 wst
5 16 wst
5 18 wst
```

```
6 11 wst
6 12 bst
6 13 wst
6 14 bst
6 15 wst
6 16 bst
6 17 wst
6 18 bst
```

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7 12 bst
7 14 bst
7 15 bst
7 17 bst
```

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8 15 bst
8 16 bst
8 18 bst
```

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9 17 bst
9 18 bst
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end % discard godict
grestore
endpage
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%%Trailer
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