

[illegible]

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                                "N")
                                (string-equal direction
                                "S"))))
                                (and (string-equal vulnerable "EW")
                                (or (string-equal direction
                                "E")
                                (string-equal direction
                                "W"))))
                                (concatenate 'string
                                *div-open-1*
                                "vulnerable"
                                *div-open-2*
                                "Vulnerable"
                                *div-close*)
                                "")))
; For your reading pleasure, this is the let* body
(concatenate 'string
  *div-open-1*
  direction
  *div-open-2*
  dealerhtml
  vulnerablehtml
  (serializedhandcards suits)
  *div-close*
  (serializedhands rest vulnerable dealer))))

; getseparateresults (xmlnodes boardnum ns1 ew1) → grabs the results for
; one board separately from the board information without html
; serialization where xmlnodes is the list of results for a board,
; boardnum is the boardnum, ns1 and ew1 are the initial lists. It
; returns a structure like:
; (mv ns ew)
; where
; ns = (list
;       (cons (mv pairs section)
;             (list
;               (mv boardnum pairew totalscore pointsns))
;             ...))
;       ...)
; ew = (list
;       (cons (mv pairew section)
;             (list
;               (mv boardnum pairs totalscore pointsns))
;             ...))
;       ...)
(defun getseparateresults (xmlnodes boardnum ns1 ew1)
  (if (null xmlnodes)
      (mv ns1 ew1)
      (let* ((result (car xmlnodes))
             (rest (cdr xmlnodes))
             (section (xml-getattribute result "SectionLabel"))
             (pairs (xml-getattribute result "PairID-NS"))
             (pairew (xml-getattribute result "PairID-EW"))
             (totalscorenode (xml-getnode result "TotalScore"))
             (totaldir (xml-getattribute totalscorenode "direction"))
             (totalscore (xml-gettext totalscorenode))
             (pointsns (xml-gettext (xml-getnode result
                                                "MatchpointsNS")))
             (pointsew (xml-gettext (xml-getnode result
                                                "MatchpointsEW"))))
        (mv-let (ns ew)
          (getseparateresults rest boardnum ns1 ew1)
          (let ((nskv (assoc-equal (mv pairs section) ns))
                (ewkv (assoc-equal (mv pairew section) ew)))
            (mv (cons (cons (mv pairs section)
                           (cons (mv boardnum
                                   pairew

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                                (if (string-equal totaldir
                                                "N-S")
                                    totalscore
                                    (string-append "-"
                                                totalscore))
                                pointsns)
                                (cdr nskv)))
    (remove-equal nskv ns))
  (cons (cons (mv pairew section)
              (cons (mv boardnum
                      pairs
                      (if (string-equal totaldir
                                      "E-W")
                          totalscore
                          (string-append "-"
                                      totalscore))
                      pointsew)
              (cdr ewkv)))
        (remove-equal ewkv ew))))))

; getallseparateresults (boardnodes) → converts boardnodes, a list of
; Board nodes, to a sequence like:
; (mv ns ew)
; where
; ns = (list
;       (cons (mv pairs section)
;             (list
;               (mv boardnum pairew totalscore pointsns))
;             ...))
;       ...)
; ew = (list
;       (cons (mv pairew section)
;             (list
;               (mv boardnum pairs totalscore pointsns))
;             ...))
;       ...)
(defun getallseparateresults (boardnodes)
  (if (null boardnodes)
      (mv nil nil)
      (let* ((board (car boardnodes))
              (rest (cdr boardnodes))
              (boardnum (xml-gettext (xml-getnode board "BoardNo")))
              (results (xml-getnodes board "Result")))
        (mv-let (ns ew)
          (getallseparateresults rest)
          (getseparateresults results boardnum ns ew)))))

; serializedresults (xmlnodes) → returns a string consisting of
; the concatenation of results table rows from each "Result" node
(defun serializedresults (xmlnodes)
  (if (null xmlnodes)
      ""
      (let* ((result (car xmlnodes))
              (rest (cdr xmlnodes))
              (section (xml-getattribute result "SectionLabel"))
              (pairs (xml-getattribute result "PairID-NS"))
              (pairew (xml-getattribute result "PairID-EW"))
              (totalscorenode (xml-getnode result "TotalScore"))
              (totaldir (xml-getattribute totalscorenode "direction"))
              (totalscore (xml-gettext totalscorenode))
              (pointsns (xml-gettext (xml-getnode result
                                                  "MatchpointsNS")))
              (pointsew (xml-gettext (xml-getnode result
                                                  "MatchpointsEW"))))
        (concatenate 'string
                      "<tr>"
                      "<td><a href=\"psc.htm#N-S\" pairs section \">"

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section pairs "</a></td>"
"<td><a href=\"psc.htm#E-W\" pairew section \">"
section pairew "</td>"
"<td>" (if (string-equal totaldir "N-S")
            totalscore
            "&nbsp;")
"</td>"
"<td>" (if (string-equal totaldir "E-W")
            totalscore
            "&nbsp;")
"</td>"
"<td>" pointsns "</td>"
"<td>" pointsew "</td>"
"</tr>"
(serializedresults rest))))

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; serializedboards (xmlnodes) → returns appended "board" class divs with
; their "results" tables from the xmlnode "Board" and "results" formatted
; to be rendered with the deal and results as required by description
(defun serializedboards (xmlnodes trav-flag)

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  (if (null xmlnodes)
      ""
      (let* ((board (car xmlnodes))
              (rest (cdr xmlnodes))
              (vulnerable (xml-gettext (xml-getnode board "Vulnerable")))
              (dealer (xml-gettext (xml-getnode board "Dealer")))
              (boardnum (xml-gettext (xml-getnode board "BoardNo")))
              (hands (xml-getnodes (xml-getnode board "Deal") "Hand"))
              (results (xml-getnodes board "Result")))
        (concatenate 'string
                      *div-open-1*
                      "board\" id=\"\" boardnum
                      *div-open-2*
                      *div-open-1*
                      "boardnum"
                      *div-open-2*
                      "Board: " boardnum "<br/><a href=\"\"
                      (if (equal trav-flag 1)
                          (concatenate
                            'string
                            "boards-no-trav.htm#"
                            boardnum "\"><small>(hide travelers)</small></a>"
                            (concatenate
                              'string
                              "boards-trav.htm#"
                              boardnum "\"><small>(show travelers)</small></a>"
                              )
                          )
                      *div-close*
                      (serializedhands hands vulnerable dealer)
                      *div-close*
                      (if (equal trav-flag 1)
                          (concatenate 'string
                                        *tablehead*
                                        (serializedresults results)
                                        *tabletail*
                                        ""))
                      (serializedboards rest trav-flag))))))

(defun getgamestring (gamenode)
  (let* ((clubgame (xml-gettext (xml-getnode gamenode "ClubGame")))
         (eventname (xml-gettext (xml-getnode (xml-getnode gamenode "Event")
                                              "EventName")))
         (session (xml-gettext (xml-getnode gamenode "Session")))
         (date (xml-gettext (xml-getnode gamenode "Date"))))
    (concatenate 'string
                  clubgame " " eventname " , " session " , " date)))

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(export Iboard))
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