{

/\* sous-programme à nommer :

déformatage\_fichier\_2nde\_base\_de\_donnees\_B ( LISTE\_3\_LOG ) et

formatage fichier\_3ème\_base de\_donnees\_C ( LISTE\_5\_LOG ) \*/

FILE \*f\_init = fopen(LISTE\_3\_LOG, "r");

FILE \*f\_exit = fopen(LISTE\_5\_LOG, "a");

unsigned long int i = 518066;

unsigned long int nb\_sans\_n\_uplets = 3;

/\* écriture liste\_3ème \*/

do

{

fscanf(f\_init, "%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld\n", \

&pbb, &pbn, &pnb, &pnn, &tb, &tn, &cb, \

&cn, &fbb, &fbn, &fnb, &fnn, &db, &dn);

if (pbb >= 0 && pbb <= 8 && pbn >= 0 && pbn <= 8 && pnb >= 0 \

&& pnb <= 8 && pnn >= 0 && pnn <= 8 && tb >= 0 && tb <= 10 \

&& tn >= 0 && tn <= 10 && cb >= 0 && cb <= 10 && cn >= 0 \

&& cn <= 10 && fbb >= 0 && fbb <= 9 && fbn >= 0 && \

fbn <= 9 && fnb >= 0 && fnb <= 9 && fnn >= 0 && fnn <= 9 \

&& db >= 0 && db <= 9 && dn >= 0 && dn <= 9)

{

/\* prise\_d'1\_piece\_sans\_promotion\_A1 \*/

if (pbb+1 <= 8 && pbn-1 >= 0 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

/\* prise\_d'1\_piece\_sans\_promotion\_A2 \*/

if (pbb+1 <= 8 && pbn-1 >= 0 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

/\* prise\_d'1\_piece\_sans\_promotion\_A3 \*/

if (pbb+1 <= 8 && pbn-1 >= 0 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb-1, fnn, db, dn);

nb++;

}

/\* prise\_d'1\_piece\_sans\_promotion\_A4 \*/

if (pbb+1 <= 8 && pbn-1 >= 0 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb, pnn, tb, tn, cb, \

cn-1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* prise\_d'1\_piece\_sans\_promotion\_A5 \*/

if (pbb+1 <= 8 && pbn-1 >= 0 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb, pnn, tb, tn-1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* prise\_d'1\_piece\_sans\_promotion\_A6 \*/

if (pbb+1 <= 8 && pbn-1 >= 0 && pnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* prise\_d'1\_piece\_sans\_promotion\_A7 \*/

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* prise\_d'1\_piece\_sans\_promotion\_A8-A14 \*/

if (pbb-1 >= 0 && pbn+1 <= 8 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* prise\_d'1\_pièce\_sans\_promotion\_A15-A21 \*/

if (pnn-1 >= 0 && pnb+1 <= 8 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb+1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && pnb+1 <= 8 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb+1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && pnb+1 <= 8 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb+1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && pnb+1 <= 8 && cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb+1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && pnb+1 <= 8 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb+1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && pnb+1 <= 8 && pbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb+1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && pnb+1 <= 8 && pbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb+1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* prise\_d'1\_pièce\_sans\_promotion\_A22-A28 \*/

if (pnb-1 >= 0 && pnn+1 <= 8 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn+1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn+1 <= 8 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn+1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn+1 <= 8 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn+1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn+1 <= 8 && cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn+1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn+1 <= 8 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn+1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn+1 <= 8 && pbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn+1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn+1 <= 8 && pbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn+1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* prise\_d'1\_pièce\_sans\_promotion\_A29-A42 :

prises spécifiques par tour,cavalier,fou,dame ou roi !!!

il est à noter !!!

très important et primordial !!!!!

que l'on peut retrancher une pièce dans une situation où

tours, ou cavaliers, ou fous, ou dames seraient à 0 car les

rois tjrs omis par mesure de simplification sont eux !!!

bien tjrs !!! présents!!! sur l'échiquier !! sinon il y a !

1 position triviale de pat, nul ou mat !!!!! \*/

if (dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb-1, fnn, db, dn);

nb++;

}

if (fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn-1, fnb, fnn, db, dn);

nb++;

}

if (fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb-1, fbn, fnb, fnn, db, dn);

nb++;

}

if (cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn-1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb-1, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn-1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb-1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* PRISE D'1 PIÈCE HORMIS PION 1 PROMOTION\_A43-A202 \*/

/\* promotion noire : tour ou cavalier ou dame\_A43-A102 \*/

/\* prise d'1 pièce noire par les blancs promotion noire \*/

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && dn-1+1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn-1+1);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && cn+1 <= 10 && \

dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn+1, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn+1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && fnn-1 >= 0 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn-1, db, dn+1);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && cn+1 <= 10 && \

fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn+1, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn+1, cb, \

cn, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && fnb-1 >= 0 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb-1, fnn, db, dn+1);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && cn+1 <= 10 && \

fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn+1, fbb, fbn, fnb-1, fnn, db, dn);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn+1, cb, \

cn, fbb, fbn, fnb-1, fnn, db, dn);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && cn-1 >= 0 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn-1, fbb, fbn, fnb, fnn, db, dn+1);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && cn-1+1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn-1+1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn+1, cb, \

cn-1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && tn-1 >= 0 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn-1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn+1);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && tn-1 >= 0 && \

cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn-1, cb, \

cn+1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && tn-1+1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn-1+1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && dn-1+1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn-1+1);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && cn+1 <= 10 && \

dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn, cb, \

cn+1, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && tn+1 <= 10 && \

dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn+1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && fnn-1 >= 0 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn-1, db, dn+1);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && cn+1 <= 10 && \

fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn, cb, \

cn+1, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && tn+1 <= 10 && \

fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn+1, cb, \

cn, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && fnb-1 >= 0 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb-1, fnn, db, dn+1);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && cn+1 <= 10 && \

fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn, cb, \

cn+1, fbb, fbn, fnb-1, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && tn+1 <= 10 && \

fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn+1, cb, \

cn, fbb, fbn, fnb-1, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && cn-1 >= 0 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn, cb, \

cn-1, fbb, fbn, fnb, fnn, db, dn+1);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && cn-1+1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn, cb, \

cn-1+1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && tn+1 <= 10 && \

cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn+1, cb, \

cn-1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && tn-1 >= 0 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn-1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn+1);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && tn-1 >= 0 && \

cn+1 <= 8)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn-1, cb, \

cn+1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && tn-1+1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn-1+1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* prise d'1 pièce blanche par les noirs promotion noire \*/

if (pnn-1 >= 0 && tn+1 <= 10 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn+1, cb, \

cn, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pnn-1 >= 0 && cn+1 <= 10 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn, cb, \

cn+1, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pnn-1 >= 0 && db-1 >= 0 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db-1, dn+1);

nb++;

}

if (pnn-1 >= 0 && tn+1 <= 10 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn+1, cb, \

cn, fbb, fbn-1, fnb, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && cn+1 <= 10 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn, cb, \

cn+1, fbb, fbn-1, fnb, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && fbn-1 >= 0 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn-1, fnb, fnn, db, dn+1);

nb++;

}

if (pnn-1 >= 0 && tn+1 <= 10 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn+1, cb, \

cn, fbb-1, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && cn+1 <= 10 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn, cb, \

cn+1, fbb-1, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && fbb-1 >= 0 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn, cb, \

cn, fbb-1, fbn, fnb, fnn, db, dn+1);

nb++;

}

if (pnn-1 >= 0 && tn+1 <= 10 && cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn+1, cb-1, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && cn+1 <= 10 && cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn, cb-1, \

cn+1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && cb-1 >= 0 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn, cb-1, \

cn, fbb, fbn, fnb, fnn, db, dn+1);

nb++;

}

if (pnn-1 >= 0 && tb-1 >= 0 && tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb-1, tn+1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && tb-1 >= 0 && cn+1 <= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb-1, tn, cb, \

cn+1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && tb-1 >= 0 && dn+1 <= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb-1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn+1);

nb++;

}

if (pnb-1 >= 0 && tn+1 <= 10 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn, tb, tn+1, cb, \

cn, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pnb-1 >= 0 && cn+1 <= 10 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn, tb, tn, cb, \

cn+1, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pnb-1 >= 0 && db-1 >= 0 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db-1, dn+1);

nb++;

}

if (pnb-1 >= 0 && tn+1 <= 10 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn, tb, tn+1, cb, \

cn, fbb, fbn-1, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && cn+1 <= 10 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn, tb, tn, cb, \

cn+1, fbb, fbn-1, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && fbn-1 >= 0 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn-1, fnb, fnn, db, dn+1);

nb++;

}

if (pnb-1 >= 0 && tn+1 <= 10 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn, tb, tn+1, cb, \

cn, fbb-1, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && cn+1 <= 10 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn, tb, tn, cb, \

cn+1, fbb-1, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && fbb-1 >= 0 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn, tb, tn, cb, \

cn, fbb-1, fbn, fnb, fnn, db, dn+1);

nb++;

}

if (pnb-1 >= 0 && tn+1 <= 10 && cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn, tb, tn+1, cb-1, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && cn+1 <= 10 && cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn, tb, tn, cb-1, \

cn+1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && cb-1 >= 0 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn, tb, tn, cb-1, \

cn, fbb, fbn, fnb, fnn, db, dn+1);

nb++;

}

if (pnb-1 >= 0 && tb-1 >= 0 && tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn, tb-1, tn+1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && tb-1 >= 0 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn, tb-1, tn, cb, \

cn+1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && tb-1 >= 0 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn, tb-1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn+1);

nb++;

}

/\* promotion noire de fou\_A103-A122 \*/

/\* prise d'1 pièce noire par les blancs promotion noire \*/

if (pbb+1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fnb+1 <= 9 && \

dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb+1, fnn, db, dn-1);

nb++;

}

if (pbb+1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fnb+1 <= 9 && \

fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb+1, fnn-1, db, dn);

nb++;

}

if (pbb+1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fnb-1+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb-1+1, fnn, db, dn);

nb++;

}

if (pbb+1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cn-1 >= 0 &&\

fnb+1 <= 9 )

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn-1, fbb, fbn, fnb+1, fnn, db, dn);

nb++;

}

if (pbb+1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tn-1 >= 0 && \

fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn-1, cb, \

cn, fbb, fbn, fnb+1, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && fnn+1 <= 9 && \

dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn+1, db, dn-1);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && fnn-1+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn-1+1, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && fnb-1 >= 0 && \

fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb-1, fnn+1, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && cn-1 >= 0 && \

fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn, cb, \

cn-1, fbb, fbn, fnb, fnn+1, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && tn-1 >= 0 && \

fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn-1, cb, \

cn, fbb, fbn, fnb, fnn+1, db, dn);

nb++;

}

/\* prise d'1 pièce blanche par les noirs promotion noire \*/

if (pnn-1 >= 0 && fnb+1 <= 9 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb+1, fnn, db-1, dn);

nb++;

}

if (pnn-1 >= 0 && fbn-1 >= 0 && fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn-1, fnb+1, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && fbb-1 >= 0 && fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn, cb, \

cn, fbb-1, fbn, fnb+1, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && cb-1 >= 0 && fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn, cb-1, \

cn, fbb, fbn, fnb+1, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && tb-1 >= 0 && fnb+1 <= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb-1, tn, cb, \

cn, fbb, fbn, fnb+1, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && fnn+1 <= 9 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn+1, db-1, dn);

nb++;

}

if (pnb-1 >= 0 && fbn-1 >= 0 && fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn-1, fnb, fnn+1, db, dn);

nb++;

}

if (pnb-1 >= 0 && fbb-1 >= 0 && fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn, tb, tn, cb, \

cn, fbb-1, fbn, fnb, fnn+1, db, dn);

nb++;

}

if (pnb-1 >= 0 && cb-1 >= 0 && fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn, tb, tn, cb-1, \

cn, fbb, fbn, fnb, fnn+1, db, dn);

nb++;

}

if (pnb-1 >= 0 && tb-1 >= 0 && fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn, tb-1, tn, cb, \

cn, fbb, fbn, fnb, fnn+1, db, dn);

nb++;

}

/\* Promotion blanche : tour, cavalier, dame\_A123-A182 \*/

/\* prise d'1 pièce blanche par les noirs promotion blanche \*/

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && db-1 >= 0 && \

tb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb+1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && db-1 >= 0 && \

cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb, tn, cb+1, \

cn, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && db-1+1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db-1+1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && fbn-1 >= 0 && \

tb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb+1, tn, cb, \

cn, fbb, fbn-1, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && cb+1 <= 10 && \

fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb, tn, cb+1, \

cn, fbb, fbn-1, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && fbn-1 >= 0 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb, tn, cb, \

cn, fbb, fbn-1, fnb, fnn, db+1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && tb+1 <= 10 && \

fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb+1, tn, cb, \

cn, fbb-1, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && cb+1 <= 10 && \

fbb-1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb, tn, cb+1, \

cn, fbb-1, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && fbb-1 >= 0 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb, tn, cb, \

cn, fbb-1, fbn, fnb, fnn, db+1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && tb+1 <= 10 && \

cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb+1, tn, cb-1, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && cb-1+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb, tn, \

cb-1+1, cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && cb-1 >= 0 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb, tn, cb-1, \

cn, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && tb-1+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb-1+1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && tb-1 >= 0 && \

cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb-1, tn, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && tb-1 >= 0 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb-1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && db-1 >= 0 && \

tb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb+1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && db-1 >= 0 && \

cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb, tn, cb+1, \

cn, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && db-1+1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db-1+1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && fbn-1 >= 0 && \

tb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb+1, tn, cb, \

cn, fbb, fbn-1, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && cb+1 <= 10 && \

fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb, tn, cb+1, \

cn, fbb, fbn-1, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && fbn-1 >= 0 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb, tn, cb, \

cn, fbb, fbn-1, fnb, fnn, db+1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && tb+1 <= 10 && \

fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb+1, tn, cb, \

cn, fbb-1, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && cb+1 <= 10 && \

fbb-1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb, tn, cb+1, \

cn, fbb-1, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && fbb-1 >= 0 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb, tn, cb, \

cn, fbb-1, fbn, fnb, fnn, db+1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && tb+1 <= 10 && \

cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb+1, tn, cb-1, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && cb-1+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb, tn, \

cb-1+1, cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && cb-1 >= 0 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb, tn, cb-1, \

cn, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && tb-1+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb-1+1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && tb-1 >= 0 && \

cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb-1, tn, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && tb-1 >= 0 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb-1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

/\* prise d'1 pièce noire par les blancs promotion blanche \*/

if (pbn-1 >= 0 && tb+1 <= 10 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb+1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbn-1 >= 0 && cb+1 <= 10 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbn-1 >= 0 && db+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn-1);

nb++;

}

if (pbn-1 >= 0 && tb+1 <= 10 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb+1, tn, cb, \

cn, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (pbn-1 >= 0 && cb+1 <= 10 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb+1, \

cn, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (pbn-1 >= 0 && db+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn-1, db+1, dn);

nb++;

}

if (pbn-1 >= 0 && tb+1 <= 10 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb+1, tn, cb, \

cn, fbb, fbn, fnb-1, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && cb+1 <= 10 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb+1, \

cn, fbb, fbn, fnb-1, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && db+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb-1, fnn, db+1, dn);

nb++;

}

if (pbn-1 >= 0 && tb+1 <= 10 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb+1, tn, cb, \

cn-1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && cb+1 <= 10 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb+1, \

cn-1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && db+1 <= 9 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn-1, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

if (pbn-1 >= 0 && tb+1 <= 10 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb+1, tn-1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && cb+1 <= 10 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn-1, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && db+1 <= 9 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn-1, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

if (pbb-1 >= 0 && tb+1 <= 10 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb+1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb-1 >= 0 && cb+1 <= 10 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb-1 >= 0 && db+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn-1);

nb++;

}

if (pbb-1 >= 0 && tb+1 <= 10 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb+1, tn, cb, \

cn, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (pbb-1 >= 0 && cb+1 <= 10 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb+1, \

cn, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (pbb-1 >= 0 && db+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn-1, db+1, dn);

nb++;

}

if (pbb-1 >= 0 && tb+1 <= 10 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb+1, tn, cb, \

cn, fbb, fbn, fnb-1, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && cb+1 <= 10 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb+1, \

cn, fbb, fbn, fnb-1, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && db+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb-1, fnn, db+1, dn);

nb++;

}

if (pbb-1 >= 0 && tb+1 <= 10 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb+1, tn, cb, \

cn-1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && cb+1 <= 10 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb+1, \

cn-1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && db+1 <= 9 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn-1, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

if (pbb-1 >= 0 && tb+1 <= 10 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb+1, tn-1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && cb+1 <= 10 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn-1, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && db+1 <= 9 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn-1, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

/\* Promotion blanche de fou\_A183-A202 \*/

/\* prise d'1 pièce blanche par les noirs promotion blanche \*/

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && fbn+1 >= 9 && \

db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb, tn, cb, \

cn, fbb, fbn+1, fnb, fnn, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && fbn-1 >= 0 && \

fbn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb, tn, cb, \

cn, fbb, fbn-1+1, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && fbb-1 >= 0 && \

fbn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb, tn, cb, \

cn, fbb-1, fbn+1, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && cb-1 >= 0 && \

fbn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb, tn, cb-1, \

cn, fbb, fbn+1, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && tb-1 >= 0 && \

fbn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb-1, tn, cb, \

cn, fbb, fbn+1, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && fbb+1 >= 9 && \

db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb, tn, cb, \

cn, fbb+1, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && fbb+1 <= 9 && \

fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb, tn, cb, \

cn, fbb+1, fbn-1, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && fbb-1 >= 0 && \

fbb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb, tn, cb, \

cn, fbb-1+1, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && cb-1 >= 0 && \

fbb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb, tn, cb-1, \

cn, fbb+1, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && tb-1 >= 0 && \

fbb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb-1, tn, cb, \

cn, fbb+1, fbn, fnb, fnn, db, dn);

nb++;

}

/\* prise d'1 pièce noire par les blancs promotion blanche \*/

if (pbn-1 >= 0 && fbb+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb+1, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbn-1 >= 0 && fbb+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb+1, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (pbn-1 >= 0 && fbb+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb+1, fbn, fnb-1, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && cn-1 >= 0 && fbb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn-1, fbb+1, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && tn-1 >= 0 && fbb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn-1, cb, \

cn, fbb+1, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && fbn+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn+1, fnb, fnn, db, dn-1);

nb++;

}

if (pbb-1 >= 0 && fbn+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn+1, fnb, fnn-1, db, dn);

nb++;

}

if (pbb-1 >= 0 && fbn+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn+1, fnb-1, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && cn-1 >= 0 && fbn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn-1, fbb, fbn+1, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && tn-1 >= 0 && fbn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn-1, cb, \

cn, fbb, fbn+1, fnb, fnn, db, dn);

nb++;

}

/\* PRISE D'1 PIÈCE HORMIS PION 2 PROMOTIONS\_A203-A500\*/

/\* promotions blanche et noire mêmes figures promues

équivalentes ou non à la pièce prise : tour, cavalier,

dame\_A203-A262 \*/

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && dn-1 >= 0 && \

tb+1 <= 10 && tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn+1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && dn-1 >= 0 && \

cb+1 <= 10 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb+1, \

cn+1, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && dn-1+1 >= 0 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn-1+1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fnn-1 >= 0 && \

tb+1 <= 10 && tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn+1, cb, \

cn, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fnn-1 >= 0 && \

cb+1 <= 10 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb+1, \

cn+1, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fnn-1 >= 0 && \

dn+1 <= 9 && db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn-1, db+1, dn+1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fnb-1 >= 0 && \

tb+1 <= 10 && tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn+1, cb, \

cn, fbb, fbn, fnb-1, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fnb-1 >= 0 && \

cb+1 <= 10 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb+1, \

cn+1, fbb, fbn, fnb-1, fnn, db, dn-1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fnb-1 >=0 && \

dn+1 <= 9 && db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb-1, fnn, db+1, dn+1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cn-1 >= 0 && \

tb+1 <= 10 && tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn+1, cb, \

cn-1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && dn-1 >= 0 && \

cb+1 <= 10 && cn-1 >= 0 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb+1, \

cn-1+1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cn-1 >= 0 && \

dn+1 >= 0 && db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn-1, fbb, fbn, fnb, fnn, db+1, dn+1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tn-1 >= 0 && \

tb+1 <= 10 && tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn-1+1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tn-1 >= 0 && \

cb+1 <= 10 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn-1, cb+1, \

cn+1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tn-1 >= 0 && dn+1 >= 0 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn-1, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn+1);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tb+1 \

<= 10 && tn+1 <= 10 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb+1, tn+1, cb, \

cn, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && db-1 >= 0 && \

cb+1 <= 10 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb+1, \

cn+1, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && db-1 >= 0 && \

db+1 <= 9 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db-1+1, dn+1);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tb+1 \

<= 10 && tn+1 <= 10 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb+1, tn+1, cb, \

cn, fbb, fbn-1, fnb, fnn, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && fbn-1 >= 0 && \

cb+1 <= 10 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb+1, \

cn+1, fbb, fbn-1, fnb, fnn, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && fbn-1 >= 0 && \

db+1 <= 9 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn-1, fnb, fnn, db+1, dn+1);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tb+1 \

<= 10 && tn+1 <= 10 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb+1, tn+1, cb, \

cn, fbb-1, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && fbb-1 >= 0 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb+1, \

cn+1, fbb-1, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && fbb-1 >= 0 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb-1, fbn, fnb, fnn, db+1, dn+1);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tb+1 \

<= 10 && tn+1 <= 10 && cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb+1, tn+1, \

cb-1, cn, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && cb-1 >= 0 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, \

cb-1+1, cn+1, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && cb-1 >= 0 && \

db+1 <= 9 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb-1, \

cn, fbb, fbn, fnb, fnn, db+1, dn+1);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tb+1 \

<= 10 && tn+1 <= 10 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb-1+1, tn+1, cb, \

cn, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tb-1 >= 0 && \

cb+1 <= 10 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb-1, tn, cb+1, \

cn+1, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tb-1 >= 0 && \

db+1 <= 9 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb-1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn+1);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && dn-1 >= 0 && \

tb+1 <= 10 && tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb+1, tn+1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && dn-1 >= 0 && \

cb+1 <= 10 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb+1, \

cn+1, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && dn-1+1 >= 0 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn-1+1);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && fnn-1 >= 0 && \

tb+1 <= 10 && tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb+1, tn+1, cb, \

cn, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && fnn-1 >= 0 && \

cb+1 <= 10 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb+1, \

cn+1, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && fnn-1 >= 0 && \

dn+1 <= 9 && db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn-1, db+1, dn+1);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && fnb-1 >= 0 && \

tb+1 <= 10 && tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb+1, tn+1, cb, \

cn, fbb, fbn, fnb-1, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && fnb-1 >= 0 && \

cb+1 <= 10 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb+1, \

cn+1, fbb, fbn, fnb-1, fnn, db, dn-1);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && fnb-1 >=0 && \

dn+1 <= 9 && db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb-1, fnn, db+1, dn+1);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && cn-1 >= 0 && \

tb+1 <= 10 && tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb+1, tn+1, cb, \

cn-1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && dn-1 >= 0 && \

cb+1 <= 10 && cn-1 >= 0 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb+1, \

cn-1+1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && cn-1 >= 0 && \

dn+1 >= 0 && db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn-1, fbb, fbn, fnb, fnn, db+1, dn+1);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && tn-1 >= 0 && \

tb+1 <= 10 && tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb+1, tn-1+1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && tn-1 >= 0 && \

cb+1 <= 10 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn-1, cb+1, \

cn+1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && tn-1 >= 0 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn-1, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn+1);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && tb+1 \

<= 10 && tn+1 <= 10 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb+1, tn+1, cb, \

cn, fbb, fbn, fnb, fnn, db-1, dn);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb+1, \

cn+1, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && db-1 >= 0 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db-1+1, dn+1);

nb++;

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb+1, tn+1, cb, \

cn, fbb, fbn-1, fnb, fnn, db-1, dn);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb+1, \

cn+1, fbb, fbn-1, fnb, fnn, db-1, dn);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn-1, fnb, fnn, db+1, dn+1);

nb++;

}

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb+1, tn+1, cb, \

cn, fbb-1, fbn, fnb, fnn, db-1, dn);

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}

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb+1, \

cn+1, fbb-1, fbn, fnb, fnn, db-1, dn);

nb++;

}

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb-1, fbn, fnb, fnn, db+1, dn+1);

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}

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb+1, tn+1, \

cb-1, cn, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && cb-1 >= 0 && \

cb+1 <= 10 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, \

cb-1+1, cn+1, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && cb-1 >= 0 && \

db+1 <= 9 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb-1, \

cn, fbb, fbn, fnb, fnn, db+1, dn+1);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && tb+1 \

<= 10 && tn+1 <= 10 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb-1+1, tn+1, cb, \

cn, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && tb-1 >= 0 && \

cb+1 <= 10 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb-1, tn, cb+1, \

cn+1, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && tb-1 >= 0 && \

db+1 <= 9 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb-1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn+1);

nb++;

}

/\* Promotion blanche et noire même figure : fous\_A263-A282 \*/

/\* prise par pion blanc \*/

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fbb+1 <= 9 && \

fnb+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb+1, fbn, fnb+1, fnn, db, dn-1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fbb+1 <= 9 && \

fnb+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb+1, fbn, fnb+1, fnn-1, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fbb+1 <= 9 && \

fnb+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb+1, fbn, fnb-1+1, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fbb+1 <= 9 && \

fnb+1 <= 9 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn-1, fbb+1, fbn, fnb+1, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fbb+1 <= 9 && \

fnb+1 <= 9 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn-1, cb, \

cn, fbb+1, fbn, fnb+1, fnn, db, dn);

nb++;

}

if (pbn+1-1 >= 0 && pbb-1 >= 0 && pnn-1 >= 0 && fbn+1 <= 9 && \

fnn+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn+1, fnb, fnn+1, db, dn-1);

nb++;

}

if (pbn+1-1 >= 0 && pbb-1 >= 0 && pnn-1 >= 0 && fbn+1 <= 9 && \

fnn+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn+1, fnb, fnn-1+1, db, dn);

nb++;

}

if (pbn+1-1 >= 0 && pbb-1 >= 0 && pnn-1 >= 0 && fbn+1 <= 9 && \

fnn+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn+1, fnb-1, fnn+1, db, dn);

nb++;

}

if (pbn+1-1 >= 0 && pbb-1 >= 0 && pnn-1 >= 0 && fbn+1 <= 9 && \

fnn+1 <= 9 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn-1, fbb, fbn+1, fnb, fnn+1, db, dn);

nb++;

}

if (pbn+1-1 >= 0 && pbb-1 >= 0 && pnn-1 >= 0 && fbn+1 <= 9 && \

fnn+1 <= 9 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn-1, cb, \

cn, fbb, fbn+1, fnb, fnn+1, db, dn);

nb++;

}

/\* prise par pion noir \*/

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && fbn+1 <= 9 && \

fnn+1 <= 9 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn+1, fnb, fnn+1, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && fbn+1 <= 9 && \

fnn+1 <= 9 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn-1+1, fnb, fnn+1, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && fbn+1 <= 9 && \

fnn+1 <= 9 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb-1, fbn+1, fnb, fnn+1, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && fbn+1 <= 9 && \

fnn+1 <= 9 && cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb-1, \

cn, fbb, fbn+1, fnb, fnn+1, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && fbn+1 <= 9 && \

fnn+1 <= 9 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb-1, tn, cb, \

cn, fbb, fbn+1, fnb, fnn+1, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && fbb+1 <= 9 && \

fnb+1 <= 9 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb+1, fbn, fnb+1, fnn, db-1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && fbb+1 <= 9 && \

fnb+1 <= 9 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb+1, fbn-1, fnb+1, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && fbb+1 <= 9 && \

fnb+1 <= 9 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb-1+1, fbn, fnb+1, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && fbb+1 <= 9 && \

fnb+1 <= 9 && cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb-1, \

cn, fbb+1, fbn, fnb+1, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && fbb+1 <= 9 && \

fnb+1 <= 9 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb-1, tn, cb, \

cn, fbb+1, fbn, fnb+1, fnn, db, dn);

nb++;

}

/\* Promotions blanche et noire avec des figures différentes

promues et différentes de la pièce prise : tour, cavalier,

dame\_A283-A354 \*/

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

cn+1 <= 10 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn, cb, \

cn+1, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

cb+1 <= 10 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn+1, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tb+1 <= 10 && \

cn+1 <= 10 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb+1, tn, cb, \

cn+1, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tn+1 <= 10 && \

cb+1 <= 10 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn+1, cb+1, \

cn, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10 && \

cn+1 <= 10 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb+1, tn, cb, \

cn+1, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && tn+1 <= 10 && \

cb+1 <= 10 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn+1, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10 && \

cn+1 <= 10 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb+1, tn, cb, \

cn+1, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && tn+1 <= 10 && \

cb+1 <= 10 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn+1, cb+1, \

cn, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

cn+1 <= 10 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn, cb, \

cn+1, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

dn+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn, cb, \

cn, fbb, fbn, fnb, fnn-1, db, dn+1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

cb+1 <= 10 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn+1, cb+1, \

cn, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

db+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn+1, cb, \

cn, fbb, fbn, fnb, fnn-1, db+1, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cb+1 <= 10 && \

dn+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb+1, \

cn, fbb, fbn, fnb, fnn-1, db, dn+1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cn+1 <= 10 && \

db+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn+1, fbb, fbn, fnb, fnn-1, db+1, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

cn+1 <= 10 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn, cb, \

cn+1, fbb, fbn, fnb-1, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

dn+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn, cb, \

cn, fbb, fbn, fnb-1, fnn, db, dn+1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

cb+1 <= 10 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn+1, cb+1, \

cn, fbb, fbn, fnb-1, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

db+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn+1, cb, \

cn, fbb, fbn, fnb-1, fnn, db+1, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cb+1 <= 10 && \

dn+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb+1, \

cn, fbb, fbn, fnb-1, fnn, db, dn+1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cn+1 <= 10 && \

db+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn+1, fbb, fbn, fnb-1, fnn, db+1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tb+1 <= 10 && \

cn+1 <= 10 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb+1, tn, cb, \

cn+1, fbb, fbn-1, fnb, fnn, db, dn);

nb++;

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if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tb+1 <= 10 && \

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cb+1, cn, fbb, fbn-1, fnb, fnn, db, dn);

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db+1 <= 9 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb-1, tn, cb, \

cn+1, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10 && \

dn+1 <= 9 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn-1, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn+1);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && cn+1 <= 10 && \

db+1 <= 9 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn-1, cb, \

cn+1, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb-1, tn, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn+1);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb-1, tn, cb, \

cn+1, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

/\* Promotion blanche et noire différentes figures promues

dont 1 fou et différentes de la pièce prise\_A355-A402 \*/

/\* promotion de fou noir \*/

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

fnb+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn, cb, \

cn, fbb, fbn, fnb+1, fnn, db, dn-1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cb+1 <= 10 && \

fnb+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb+1, \

cn, fbb, fbn, fnb+1, fnn, db, dn-1);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tb+1 <= 10 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb+1, tn, cb, \

cn, fbb, fbn, fnb, fnn+1, db-1, dn);

nb++;

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb+1, \

cn, fbb, fbn, fnb, fnn+1, db-1, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn, cb, \

cn-1, fbb, fbn, fnb+1, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && db+1 <= 9 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn-1, fbb, fbn, fnb+1, fnn, db+1, dn);

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"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb+1, tn, cb-1, \

cn, fbb, fbn, fnb, fnn+1, db, dn);

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"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb-1, \

cn, fbb, fbn, fnb, fnn+1, db+1, dn);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn-1, cb+1, \

cn, fbb, fbn, fnb+1, fnn, db, dn);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn-1, cb, \

cn-1, fbb, fbn, fnb+1, fnn, db+1, dn);

nb++;

}

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb-1, tn, cb+1, \

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb-1, tn, cb, \

cn, fbb, fbn, fnb, fnn+1, db+1, dn);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb+1, tn, cb, \

cn, fbb, fbn, fnb, fnn+1, db, dn-1);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb+1, \

cn, fbb, fbn, fnb, fnn+1, db, dn-1);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb+1, tn, cb, \

cn, fbb, fbn, fnb+1, fnn, db-1, dn);

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"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb+1, \

cn, fbb, fbn, fnb+1, fnn, db-1, dn);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb+1, tn, cb, \

cn-1, fbb, fbn, fnb, fnn+1, db, dn);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn-1, fbb, fbn, fnb, fnn+1, db+1, dn);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb+1, tn, cb-1, \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb-1, \

cn, fbb, fbn, fnb+1, fnn, db+1, dn);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn-1, cb+1, \

cn, fbb, fbn, fnb, fnn+1, db, dn);

nb++;

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn-1, cb, \

cn, fbb, fbn, fnb, fnn+1, db+1, dn);

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"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb-1, tn, cb+1, \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb-1, tn, cb, \

cn, fbb, fbn, fnb+1, fnn, db+1, dn);

nb++;

}

/\* promotion de fou blanc \*/

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

fbb+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn+1, cb, \

cn, fbb+1, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cn+1 <= 10 && \

fbb+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn+1, fbb+1, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tn+1 <= 10 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn+1, cb, \

cn, fbb, fbn+1, fnb, fnn, db-1, dn);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn+1, fbb, fbn+1, fnb, fnn, db-1, dn);

nb++;

}

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn+1, cb, \

cn-1, fbb+1, fbn, fnb, fnn, db, dn);

nb++;

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn-1, fbb+1, fbn, fnb, fnn, db, dn+1);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn+1, cb-1, \

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"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn-1, cb, \

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"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn+1, cb, \

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if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && dn+1 <= 9 && \

fbn+1 <= 9 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn-1, fbb, fbn+1, fnb, fnn, db, dn+1);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && tn+1 <= 10 && \

fbb+1 <= 9 && cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn+1, cb-1, \

cn, fbb+1, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && dn+1 <= 9 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb-1, \

cn, fbb+1, fbn, fnb, fnn, db, dn+1);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && cn+1 <= 10 && \

fbn+1 <= 9 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn-1, cb, \

cn+1, fbb, fbn+1, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && dn+1 <= 9 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn-1, cb, \

cn, fbb, fbn+1, fnb, fnn, db, dn+1);

nb++;

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb-1, tn, cb, \

cn+1, fbb+1, fbn, fnb, fnn, db, dn);

nb++;

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb-1, tn, cb, \

cn+1, fbb+1, fbn, fnb, fnn, db, dn);

nb++;

}

/\* Promotion blanche et noire 1 figure promue équivalente à

la pièce prise\_A403\_A522\*/

/\* promotion de : tour, cavalier et dame \*/

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

dn+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn-1+1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cb+1 <= 10 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn-1+1);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tb+1 <= 10 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb+1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db-1, dn+1);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb+1, \

cn, fbb, fbn, fnb, fnn, db-1, dn+1);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn+1, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn-1);

nb++;

}

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn+1, cb, \

cn, fbb, fbn, fnb, fnn, db-1+1, dn);

nb++;

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if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && cn+1 <= 10 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

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"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn+1, fbb, fbn, fnb, fnn, db-1+1, dn);

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"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn, cb, \

cn-1+1, fbb, fbn, fnb, fnn, db, dn);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn-1+1, fbb, fbn, fnb, fnn, db+1, dn);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb+1, tn, cb-1, \

cn+1, fbb, fbn, fnb, fnn, db, dn);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb-1, \

cn+1, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn+1, cb+1, \

cn-1, fbb, fbn, fnb, fnn, db, dn);

nb++;

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb+1, \

cn-1, fbb, fbn, fnb, fnn, db, dn+1);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn+1, cb-1+1, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb-1+1, \

cn, fbb, fbn, fnb, fnn, db, dn+1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cb+1 <= 10 && \

tn+1 <= 10 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn-1+1, \

cb+1, cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && db+1 <= 9 && \

tn+1 <= 10 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn-1+1, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && cb+1 <= 10 && \

tn+1 <= 10 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb-1, tn+1, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn);

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}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && db+1 <= 9 && \

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"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb-1, tn+1, cb, \

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn-1, cb, \

cn+1, fbb, fbn, fnb, fnn, db, dn);

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}

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn-1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn+1);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && cn+1 <= 10 && \

tb+1 <= 10 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb-1+1, tn, cb, \

cn+1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && dn+1 <= 9 && \

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb-1+1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn+1);

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dn+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb+1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn-1+1);

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"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb+1, \

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cn, fbb, fbn, fnb, fnn, db-1, dn+1);

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"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn+1, cb-1+1, \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb-1+1, \

cn, fbb, fbn, fnb, fnn, db, dn+1);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10 && \

tn+1 <= 10 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn-1+1, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && db+1 <= 9 && \

tn+1 <= 10 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn-1+1, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10 && \

tn+1 <= 10 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb-1, tn+1, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && db+1 <= 9 && \

tn+1 <= 10 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb-1, tn+1, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && cn+1 <= 10 && \

tb+1 <= 10 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb+1, tn-1, cb, \

cn+1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && dn+1 <= 9 && \

tb+1 <= 10 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb+1, tn-1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn+1);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && cn+1 <= 10 && \

tb+1 <= 10 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb-1+1, tn, cb, \

cn+1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && dn+1 <= 9 && \

tb+1 <= 10 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb-1+1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn+1);

nb++;

}

/\* promotion de : fou noir \*/

/\* prise d'1 fou \*/

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

fnb+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cb+1 <= 10 && \

fnb+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && db+1 <= 9 && \

fnb+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

fnb+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cb+1 <= 10 && \

fnb+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && db+1 <= 9 && \

fnb+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tb+1 <= 10 && \

fnn+1 <= 9 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && cb+1 <= 10 && \

fnn+1 <= 9 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && db+1 <= 9 && \

fnn+1 <= 9 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tb+1 <= 10 && \

fnb+1 <= 9 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && cb+1 <= 10 && \

fnb+1 <= 9 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && db+1 <= 9 && \

fnb+1 <= 9 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10 && \

fnn+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10 && \

fnn+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && db+1 <= 9 && \

fnn+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10 && \

fnn+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10 && \

fnn+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && db+1 <= 9 && \

fnn+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10 && \

fnb+1 <= 9 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10 && \

fnb+1 <= 9 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && db+1 <= 9 && \

fnb+1 <= 9 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10 && \

fnb+1 <= 9 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10 && \

fnb+1 <= 9 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && db+1 <= 9 && \

fnb+1 <= 9 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* promotion de : fou noir \*/

/\* prise d'1 pièce différente du fou \*/

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fnb+1 <= 9 && \

db+1 <= 10 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && fnn+1 <= 9 && \

db+1 <= 9 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cb+1 <= 10 && \

fnb+1 <= 9 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && cb+1 <= 10 && \

fnn+1 <= 9 && cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

fnb+1 <= 9 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tb+1 <= 10 && \

fnn+1 <= 9 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && fnn+1 <= 9 && \

db+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && fnb+1 <= 9 && \

db+1 <= 9 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10 && \

fnn+1 <= 9 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10 && \

fnb+1 <= 9 && cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10 && \

fnn+1 <= 9 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10 && \

fnb+1 <= 9 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* promotion de : fou blanc \*/

/\* prise d'1 fou \*/

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

fbb+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cn+1 <= 10 && \

fbb+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && dn+1 <= 9 && \

fbb+1 <= 10 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

fbb+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cn+1 <= 10 && \

fbb+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && dn+1 <= 9 && \

fbb+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tn+1 <= 10 && \

fbn+1 <= 9 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && cn+1 <= 10 && \

fbn+1 <= 9 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && dn+1 <= 9 && \

fbn+1 <= 9 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tn+1 <= 10 && \

fbn+1 <= 9 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && cn+1 <= 10 && \

fbn+1 <= 9 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && dn+1 <= 9 && \

fbn+1 <= 9 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && tn+1 <= 10 && \

fbn+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && cn+1 <= 10 && \

fbn+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && dn+1 <= 9 && \

fbn+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && tn+1 <= 10 && \

fbn+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && cn+1 <= 10 && \

fbn+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && dn+1 <= 9 && \

fbn+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && tn+1 <= 10 && \

fbb+1 <= 9 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && cn+1 <= 10 && \

fbb+1 <= 9 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && dn+1 <= 9 && \

fbb+1 <= 9 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && tn+1 <= 10 && \

fbb+1 <= 9 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && cn+1 <= 10 && \

fbb+1 <= 9 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && dn+1 <= 9 && \

fbb+1 <= 9 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* promotion de : fou blanc \*/

/\* prise d'1 pièce différente du fou \*/

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fbb+1 <= 9 && \

dn+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && fbn+1 <= 9 && \

dn+1 <= 9 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fbb+1 <= 9 && \

cn+1 <= 10 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && fbn+1 <= 9 && \

cn+1 <= 10 && cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fbb+1 <= 9 && \

tn+1 <= 10 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && fbn+1 <= 9 && \

tn+1 <= 10 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && fbn+1 <= 9 && \

dn+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && fbb+1 <= 9 && \

dn+1 <= 10 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && fbn+1 <= 9 && \

cn+1 <= 10 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && fbb+1 <= 9 && \

cn+1 <= 10 && cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && fbn+1 <= 9 && \

tn+1 <= 10 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && fbb+1 <= 9 && \

tn+1 <= 10 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* PRISE D'1 PION 1 PROMOTION\_A523-A570 \*/

// Promotion noire : tour ou cavalier ou dame

/\* promotion de couleur celle du pion qui fait la prise ou du

pion de couleur de la pièce promue ( prise de pion par dame,

tour, fou, cavalier, ou roi noirs ) \*/

if (pbn-1 >= 0 && pnn-1 >= 0 && tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnn-1 >= 0 && tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnn-1 >= 0 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnn-1 >= 0 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

// promotion de couleur celle du pion pris

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 \

&& tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 \

&& cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 \

&& dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnb-1 >= 0 && pnn-1 >= 0 \

&& tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnb-1 >= 0 && pnn-1 >= 0 \

&& cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnb-1 >= 0 && pnn-1 >= 0 \

&& dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* Promotion noire : fou par prise de pion, dame, tour,

fou, cavalier, ou roi noirs \*/

/\* promotion de couleur celle du pion qui fait la prise ou

du pion de couleur de pièce promue \*/

if (pbn-1 >= 0 && pnn-1 >= 0 && fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnn-1 >= 0 && fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

// promotion de couleur celle du pion pris

if (pbb+1 <= 8 && pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 \

&& fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 <= 8 && pnb-1 >= 0 && pnn-1 >= 0 \

&& fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* Promotion blanche : tour, cavalier, dame par prise de

pion, dame, tour, fou, cavalier, ou roi blancs \*/

/\* promotion de couleur celle du pion qui fait la prise ou

du pion de couleur de pièce promue\*/

if (pbn-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnn-1 >= 0 && db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

// promotion de couleur celle du pion pris

if (pnn-1 >= 0 && pnb+1 <= 8 && pbn-1 >= 0 && pbb-1 >= 0 \

&& tb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && pnb+1 <= 8 && pbn-1 >= 0 && pbb-1 >= 0 \

&& cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && pnb+1 <= 8 && pbn-1 >= 0 && pbb-1 >= 0 \

&& db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn+1 <= 8 && pbb-1 >= 0 && pbn-1 >= 0 \

&& tb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn+1 <= 8 && pbb-1 >= 0 && pbn-1 >= 0 \

&& cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn+1 <= 8 && pbb-1 >= 0 && pbn-1 >= 0 \

&& db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* Promotion blanche : fou par prise de pion, dame, tour,

fou, cavalier, ou roi blancs \*/

/\* promotion de couleur celle du pion qui fait la prise ou

du pion de couleur de la pièce promue \*/

if (pbn-1 >= 0 && pnn-1 >= 0 && fbb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnn-1 >= 0 && fbb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && fbn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnn-1 >= 0 && fbn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

// promotion de couleur celle du pion pris

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb+1 <= 8 && pbb-1 >= 0 && \

fbb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && pbn-1 >= 0 && \

fbn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* PRISE D'1 PION 2 PROMOTIONS\_A571-A674 \*/

/\* Promotion blanche et noire : tour(s), cavalier(s), dame(s) \*/

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && cb+1 <= 10 && \

cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && cb+1 <= 10 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && cn+1 <= 10 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && db+1 <= 9 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && tb+1 <= 10 && \

tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && tb+1 <= 10 && \

cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && tb+1 <= 10 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && tn+1 <= 10 && \

cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && tn+1 <= 10 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && cb+1 <= 10 && \

cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && cb+1 <= 10 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && cn+1 <= 10 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && db+1 <= 9 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10 && \

tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10 && \

cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && tn+1 <= 10 && \

cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && tn+1 <= 10 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10 && \

cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && cn+1 <= 10 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && db+1 <= 9 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && tb+1 <= 10 && \

tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && tb+1 <= 10 && \

cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && tb+1 <= 10 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && tn+1 <= 10 && \

cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && tn+1 <= 10 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && cb+1 <= 10 && \

cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && cb+1 <= 10 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && cn+1 <= 10 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && db+1 <= 9 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* Promotion blanche et noire : fous, fou et tour, fou et

cavalier, fou et dame \*/

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && fbb+1 <= 9 && \

fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && cb+1 <= 10 && \

fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && fnb+1 <= 9 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

fbb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && cn+1 <= 10 && \

fbb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && fbb+1 <= 9 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && fbb+1 <= 9 && \

fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && tn+1 <= 10 && \

fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && cb+1 <= 10 && \

fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && fnb+1 <= 9 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && tn+1 <= 10 && \

fbb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && cn+1 <= 10 && \

fbb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && fbb+1 <= 9 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && fbn+1 <= 9 && \

fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10 && \

fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10 && \

fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && fnn+1 <= 9 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && tn+1 <= 10 && \

fbn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && cn+1 <= 10 && \

fbn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && fbn+1 <= 9 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && fbn+1 <= 9 && \

fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && tb+1 <= 10 && \

fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && cb+1 <= 10 && \

fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && fnn+1 <= 9 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && tn+1 <= 10 && \

fbn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && cn+1 <= 10 && \

fbn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && fbn+1 <= 9 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* 2 Promotions blanches : tour(s), cavalier(s), dame(s) \*/

if (pbb-1 >= 0 && pbn-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10 && \

cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cb+1 <= 10 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnn-1 >= 0 && tb+2 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnn-1 >= 0 && cb+2 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnn-1 >= 0 && db+2 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tb+2 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cb+2 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && db+2 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* 2 Promotions blanches : fous, fou et ( tour, cavalier, dame ) \*/

if (pbb-1 >= 0 && pbn-1 >= 0 && pnn-1 >= 0 && fbb+2 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fbn+2 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnn-1 >= 0 && fbb+1 <= 9 &&\

tb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnn-1 >= 0 && fbb+1 <= 9 &&\

cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnn-1 >= 0 && fbb+1 <= 9 &&\

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fbn+1 <= 9 &&\

tb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fbn+1 <= 9 &&\

cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fbn+1 <= 9 &&\

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* 2 Promotions noires : tour(s), cavalier(s), dame(s) \*/

if (pnb-1 >= 0 && pnn-1 >= 0 && pbn-1 >= 0 && tn+1 <= 10 &&\

cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbn-1 >= 0 && tn+1 <= 10 &&\

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbn-1 >= 0 && cn+1 <= 10 &&\

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && tn+1 <= 10 &&\

cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && tn+1 <= 10 &&\

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && cn+1 <= 10 &&\

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbn-1 >= 0 && tn+2 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbn-1 >= 0 && cn+2 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbn-1 >= 0 && dn+2 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && tn+2 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && cn+2 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && dn+2 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* 2 Promotions noires : fous, fou et ( tour, cavalier, dame ) \*/

if (pnb-1 >= 0 && pnn-1 >= 0 && pbn-1 >= 0 && fnb+2 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && fnn+2 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbn-1 >= 0 && tn+1 <= 10 &&\

fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbn-1 >= 0 && cn+1 <= 10 &&\

fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbn-1 >= 0 && fnb+1 <= 9 &&\

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && tn+1 <= 10 &&\

fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && cn+1 <= 10 &&\

fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && fnn+1 <= 9 &&\

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* PRISE D'1 PION 3 PROMOTIONS\_A675-A762 \*/

/\* promotion 2 même figures de même couleur : tours, cavaliers,

dames \*/

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && \

tb+2 <= 10 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && \

tb+2 <= 10 && dn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && \

cb+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && \

cb+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && \

db+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && \

db+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && pbn-1 >= 0 && \

tn+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && pbn-1 >= 0 && \

tn+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && pbn-1 >= 0 && \

cn+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && pbn-1 >= 0 && \

cn+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && pbn-1 >= 0 && \

dn+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && pbn-1 >= 0 && \

dn+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* promotion 2 même figures de même couleur : fous \*/

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && \

fbb+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && \

fbb+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && \

fbb+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && \

fbn+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && \

fbn+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && \

fbn+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && pbn-1 >= 0 && \

fnb+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && pbn-1 >= 0 && \

fnb+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && pbn-1 >= 0 && \

fnb+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && pbn-1 >= 0 && \

fnn+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && pbn-1 >= 0 && \

fnn+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && pbn-1 >= 0 && \

fnn+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* promotion 2 même figures de différentes couleurs : tour,

cavalier, dame \*/

/\* promotion 2 même figures de differentes couleurs : fous

/\* promotion 3 même figures 2 de même couleur : tour, cavalier,

dame \*/

/\* promotion 3 même figures 2 de même couleur : fous \*/

/\* promotion 3 différentes figures 2 de même couleur : tour,

cavalier, dame \*/

/\* promotion 3 différentes figures 2 de même couleur : fous \*/

/\* prise\_d'1\_pion\_3\_promotions\_différentes\_

A762-FIN\_DE\_L'ALGORITHME! \*/

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && cb+1 <= 10 && \

fnn+1 <= 9 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn-1, pnb-1, pnn-1, tb, tn, cb+1, \

cn, fbb, fbn, fnb, fnn+1, db, dn+1);

nb++;

}

}

}

while( i-- > 1);

fclose(f\_init);

fclose(f\_exit);

fprintf(stderr, "'\a'"); /\* produit 1 <<bip>> sur le terminal par

l'activation du caractère d'alerte qui est

généralement le caractère BELL codé ici dans

mon implémentation par la constante caractère

'\a' signifiant alerte sonore \*/

fprintf(stderr, "'\a'");

fprintf(stderr, "'\a'");

/\* fprintf(stderr,"temps consommé par processeur principal : "

"%.10f secondes\n", cputimeget()); \*/

system("pause"); /\* commande système qui met le processus

courant en attente d'un signal, et affiche

sur le terminal attaché au processus (contrôle

à tester dans 1 environnement multi-terminaux!)

le message suivant :

" attente d'1 frappe "

et positionne 1 curseur clignotant en attente

d'1 frappe!

\*/

fprintf(stderr, "fin des 3emes calculs intermediaires !!!\n");

fprintf(stderr, "nombre de lignes de l'algorithme executees \n"

"et formatees dans les 3 fichiers : %ld\n", nb);

/\* fprintf(stderr,"temps consommé par processeur principal : "

"%.10f secondes\n", cputimeget()); \*/

}

{

/\* sous-programme à nommer :

déformatage\_fichier\_3ème\_base\_de\_donnees\_C ( LISTE\_5\_LOG ) et

formatage fichier\_4ème\_base de\_donnees\_C ( LISTE\_7\_LOG ) \*/

FILE \*f\_init = fopen(LISTE\_5\_LOG, "r");

FILE \*f\_exit = fopen(LISTE\_7\_LOG, "a");

unsigned long int i = 313507335;

unsigned long int nb\_sans\_n\_uplets = 3;

/\* écriture liste\_4éme \*/

do

{

fscanf(f\_init, "%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld\n", \

&pbb, &pbn, &pnb, &pnn, &tb, &tn, &cb, \

&cn, &fbb, &fbn, &fnb, &fnn, &db, &dn);

if (pbb >= 0 && pbb <= 8 && pbn >= 0 && pbn <= 8 && pnb >= 0 \

&& pnb <= 8 && pnn >= 0 && pnn <= 8 && tb >= 0 && tb <= 10 \

&& tn >= 0 && tn <= 10 && cb >= 0 && cb <= 10 && cn >= 0 \

&& cn <= 10 && fbb >= 0 && fbb <= 9 && fbn >= 0 && \

fbn <= 9 && fnb >= 0 && fnb <= 9 && fnn >= 0 && fnn <= 9 \

&& db >= 0 && db <= 9 && dn >= 0 && dn <= 9)

{

/\* prise\_d'1\_piece\_sans\_promotion\_A1 \*/

if (pbb+1 <= 8 && pbn-1 >= 0 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

/\* prise\_d'1\_piece\_sans\_promotion\_A2 \*/

if (pbb+1 <= 8 && pbn-1 >= 0 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

/\* prise\_d'1\_piece\_sans\_promotion\_A3 \*/

if (pbb+1 <= 8 && pbn-1 >= 0 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb-1, fnn, db, dn);

nb++;

}

/\* prise\_d'1\_piece\_sans\_promotion\_A4 \*/

if (pbb+1 <= 8 && pbn-1 >= 0 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb, pnn, tb, tn, cb, \

cn-1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* prise\_d'1\_piece\_sans\_promotion\_A5 \*/

if (pbb+1 <= 8 && pbn-1 >= 0 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb, pnn, tb, tn-1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* prise\_d'1\_piece\_sans\_promotion\_A6 \*/

if (pbb+1 <= 8 && pbn-1 >= 0 && pnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* prise\_d'1\_piece\_sans\_promotion\_A7 \*/

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* prise\_d'1\_piece\_sans\_promotion\_A8-A14 \*/

if (pbb-1 >= 0 && pbn+1 <= 8 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* prise\_d'1\_pièce\_sans\_promotion\_A15-A21 \*/

if (pnn-1 >= 0 && pnb+1 <= 8 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb+1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && pnb+1 <= 8 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb+1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && pnb+1 <= 8 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb+1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && pnb+1 <= 8 && cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb+1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && pnb+1 <= 8 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb+1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && pnb+1 <= 8 && pbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb+1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && pnb+1 <= 8 && pbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb+1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* prise\_d'1\_pièce\_sans\_promotion\_A22-A28 \*/

if (pnb-1 >= 0 && pnn+1 <= 8 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn+1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn+1 <= 8 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn+1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn+1 <= 8 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn+1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn+1 <= 8 && cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn+1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn+1 <= 8 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn+1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn+1 <= 8 && pbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn+1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn+1 <= 8 && pbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn+1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* prise\_d'1\_pièce\_sans\_promotion\_A29-A42 :

prises spécifiques par tour,cavalier,fou,dame ou roi !!!

il est à noter !!!

très important et primordial !!!!!

que l'on peut retrancher une pièce dans une situation où

tours, ou cavaliers, ou fous, ou dames seraient à 0 car les

rois tjrs omis par mesure de simplification sont eux !!!

bien tjrs !!! présents!!! sur l'échiquier !! sinon il y a !

1 position triviale de pat, nul ou mat !!!!! \*/

if (dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb-1, fnn, db, dn);

nb++;

}

if (fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn-1, fnb, fnn, db, dn);

nb++;

}

if (fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb-1, fbn, fnb, fnn, db, dn);

nb++;

}

if (cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn-1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb-1, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn-1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb-1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* PRISE D'1 PIÈCE HORMIS PION 1 PROMOTION\_A43-A202 \*/

/\* promotion noire : tour ou cavalier ou dame\_A43-A102 \*/

/\* prise d'1 pièce noire par les blancs promotion noire \*/

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && dn-1+1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn-1+1);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && cn+1 <= 10 && \

dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn+1, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn+1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && fnn-1 >= 0 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn-1, db, dn+1);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && cn+1 <= 10 && \

fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn+1, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn+1, cb, \

cn, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && fnb-1 >= 0 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb-1, fnn, db, dn+1);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && cn+1 <= 10 && \

fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn+1, fbb, fbn, fnb-1, fnn, db, dn);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn+1, cb, \

cn, fbb, fbn, fnb-1, fnn, db, dn);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && cn-1 >= 0 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn-1, fbb, fbn, fnb, fnn, db, dn+1);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && cn-1+1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn-1+1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn+1, cb, \

cn-1, fbb, fbn, fnb, fnn, db, dn);

nb++;

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn-1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn+1);

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cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn-1, cb, \

cn+1, fbb, fbn, fnb, fnn, db, dn);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn-1+1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && dn-1+1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn-1+1);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && cn+1 <= 10 && \

dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn, cb, \

cn+1, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn+1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && fnn-1 >= 0 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn-1, db, dn+1);

nb++;

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn, cb, \

cn+1, fbb, fbn, fnb, fnn-1, db, dn);

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

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"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn+1, cb, \

cn, fbb, fbn, fnb, fnn-1, db, dn);

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb-1, fnn, db, dn+1);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && cn+1 <= 10 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn, cb, \

cn+1, fbb, fbn, fnb-1, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && tn+1 <= 10 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn+1, cb, \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn, cb, \

cn-1, fbb, fbn, fnb, fnn, db, dn+1);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && cn-1+1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn, cb, \

cn-1+1, fbb, fbn, fnb, fnn, db, dn);

nb++;

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cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn+1, cb, \

cn-1, fbb, fbn, fnb, fnn, db, dn);

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn-1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn+1);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && tn-1 >= 0 && \

cn+1 <= 8)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn-1, cb, \

cn+1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && tn-1+1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn-1+1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* prise d'1 pièce blanche par les noirs promotion noire \*/

if (pnn-1 >= 0 && tn+1 <= 10 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn+1, cb, \

cn, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pnn-1 >= 0 && cn+1 <= 10 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn, cb, \

cn+1, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pnn-1 >= 0 && db-1 >= 0 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db-1, dn+1);

nb++;

}

if (pnn-1 >= 0 && tn+1 <= 10 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

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"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn, cb, \

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"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn, cb, \

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if (pnn-1 >= 0 && tn+1 <= 10 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

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"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn+1, cb, \

cn, fbb-1, fbn, fnb, fnn, db, dn);

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if (pnn-1 >= 0 && cn+1 <= 10 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

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"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn, cb, \

cn+1, fbb-1, fbn, fnb, fnn, db, dn);

nb++;

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if (pnn-1 >= 0 && fbb-1 >= 0 && dn+1 <= 9)

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn, cb, \

cn, fbb-1, fbn, fnb, fnn, db, dn+1);

nb++;

}

if (pnn-1 >= 0 && tn+1 <= 10 && cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn+1, cb-1, \

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"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn, cb-1, \

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"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn, cb-1, \

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if (pnn-1 >= 0 && tb-1 >= 0 && tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb-1, tn+1, cb, \

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"%03ld\n", pbb, pbn, pnb-1, pnn, tb, tn+1, cb, \

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if (pnb-1 >= 0 && tn+1 <= 10 && cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn, tb-1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn+1);

nb++;

}

/\* promotion noire de fou\_A103-A122 \*/

/\* prise d'1 pièce noire par les blancs promotion noire \*/

if (pbb+1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fnb+1 <= 9 && \

dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb+1, fnn, db, dn-1);

nb++;

}

if (pbb+1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fnb+1 <= 9 && \

fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb+1, fnn-1, db, dn);

nb++;

}

if (pbb+1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fnb-1+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb-1+1, fnn, db, dn);

nb++;

}

if (pbb+1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cn-1 >= 0 &&\

fnb+1 <= 9 )

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn-1, fbb, fbn, fnb+1, fnn, db, dn);

nb++;

}

if (pbb+1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tn-1 >= 0 && \

fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1, pbn-1, pnb-1, pnn, tb, tn-1, cb, \

cn, fbb, fbn, fnb+1, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && fnn+1 <= 9 && \

dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn+1, db, dn-1);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && fnn-1+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn-1+1, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && fnb-1 >= 0 && \

fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb-1, fnn+1, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && cn-1 >= 0 && \

fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn, cb, \

cn-1, fbb, fbn, fnb, fnn+1, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnn-1 >= 0 && tn-1 >= 0 && \

fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1, pnb, pnn-1, tb, tn-1, cb, \

cn, fbb, fbn, fnb, fnn+1, db, dn);

nb++;

}

/\* prise d'1 pièce blanche par les noirs promotion noire \*/

if (pnn-1 >= 0 && fnb+1 <= 9 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb+1, fnn, db-1, dn);

nb++;

}

if (pnn-1 >= 0 && fbn-1 >= 0 && fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn-1, fnb+1, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && fbb-1 >= 0 && fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn, cb, \

cn, fbb-1, fbn, fnb+1, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && cb-1 >= 0 && fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb, tn, cb-1, \

cn, fbb, fbn, fnb+1, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && tb-1 >= 0 && fnb+1 <= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn-1, tb-1, tn, cb, \

cn, fbb, fbn, fnb+1, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && fnn+1 <= 9 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn+1, db-1, dn);

nb++;

}

if (pnb-1 >= 0 && fbn-1 >= 0 && fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn-1, fnb, fnn+1, db, dn);

nb++;

}

if (pnb-1 >= 0 && fbb-1 >= 0 && fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn, tb, tn, cb, \

cn, fbb-1, fbn, fnb, fnn+1, db, dn);

nb++;

}

if (pnb-1 >= 0 && cb-1 >= 0 && fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn, tb, tn, cb-1, \

cn, fbb, fbn, fnb, fnn+1, db, dn);

nb++;

}

if (pnb-1 >= 0 && tb-1 >= 0 && fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb-1, pnn, tb-1, tn, cb, \

cn, fbb, fbn, fnb, fnn+1, db, dn);

nb++;

}

/\* Promotion blanche : tour, cavalier, dame\_A123-A182 \*/

/\* prise d'1 pièce blanche par les noirs promotion blanche \*/

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && db-1 >= 0 && \

tb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb+1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && db-1 >= 0 && \

cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb, tn, cb+1, \

cn, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && db-1+1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db-1+1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && fbn-1 >= 0 && \

tb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb+1, tn, cb, \

cn, fbb, fbn-1, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && cb+1 <= 10 && \

fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb, tn, cb+1, \

cn, fbb, fbn-1, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && fbn-1 >= 0 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb, tn, cb, \

cn, fbb, fbn-1, fnb, fnn, db+1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && tb+1 <= 10 && \

fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb+1, tn, cb, \

cn, fbb-1, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && cb+1 <= 10 && \

fbb-1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb, tn, cb+1, \

cn, fbb-1, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && fbb-1 >= 0 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb, tn, cb, \

cn, fbb-1, fbn, fnb, fnn, db+1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && tb+1 <= 10 && \

cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb+1, tn, cb-1, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && cb-1+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb, tn, \

cb-1+1, cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && cb-1 >= 0 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb, tn, cb-1, \

cn, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && tb-1+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb-1+1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && tb-1 >= 0 && \

cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb-1, tn, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && tb-1 >= 0 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb-1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && db-1 >= 0 && \

tb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb+1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && db-1 >= 0 && \

cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb, tn, cb+1, \

cn, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && db-1+1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db-1+1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && fbn-1 >= 0 && \

tb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb+1, tn, cb, \

cn, fbb, fbn-1, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && cb+1 <= 10 && \

fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb, tn, cb+1, \

cn, fbb, fbn-1, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && fbn-1 >= 0 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb, tn, cb, \

cn, fbb, fbn-1, fnb, fnn, db+1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && tb+1 <= 10 && \

fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb+1, tn, cb, \

cn, fbb-1, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && cb+1 <= 10 && \

fbb-1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb, tn, cb+1, \

cn, fbb-1, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && fbb-1 >= 0 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb, tn, cb, \

cn, fbb-1, fbn, fnb, fnn, db+1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && tb+1 <= 10 && \

cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb+1, tn, cb-1, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && cb-1+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb, tn, \

cb-1+1, cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && cb-1 >= 0 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb, tn, cb-1, \

cn, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && tb-1+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb-1+1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && tb-1 >= 0 && \

cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb-1, tn, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && tb-1 >= 0 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb-1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

/\* prise d'1 pièce noire par les blancs promotion blanche \*/

if (pbn-1 >= 0 && tb+1 <= 10 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb+1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbn-1 >= 0 && cb+1 <= 10 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbn-1 >= 0 && db+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn-1);

nb++;

}

if (pbn-1 >= 0 && tb+1 <= 10 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb+1, tn, cb, \

cn, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (pbn-1 >= 0 && cb+1 <= 10 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb+1, \

cn, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (pbn-1 >= 0 && db+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn-1, db+1, dn);

nb++;

}

if (pbn-1 >= 0 && tb+1 <= 10 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb+1, tn, cb, \

cn, fbb, fbn, fnb-1, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && cb+1 <= 10 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb+1, \

cn, fbb, fbn, fnb-1, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && db+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb-1, fnn, db+1, dn);

nb++;

}

if (pbn-1 >= 0 && tb+1 <= 10 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb+1, tn, cb, \

cn-1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && cb+1 <= 10 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb+1, \

cn-1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && db+1 <= 9 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn-1, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

if (pbn-1 >= 0 && tb+1 <= 10 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb+1, tn-1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && cb+1 <= 10 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn-1, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && db+1 <= 9 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn-1, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

if (pbb-1 >= 0 && tb+1 <= 10 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb+1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb-1 >= 0 && cb+1 <= 10 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb-1 >= 0 && db+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn-1);

nb++;

}

if (pbb-1 >= 0 && tb+1 <= 10 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb+1, tn, cb, \

cn, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (pbb-1 >= 0 && cb+1 <= 10 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb+1, \

cn, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (pbb-1 >= 0 && db+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn-1, db+1, dn);

nb++;

}

if (pbb-1 >= 0 && tb+1 <= 10 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb+1, tn, cb, \

cn, fbb, fbn, fnb-1, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && cb+1 <= 10 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb+1, \

cn, fbb, fbn, fnb-1, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && db+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb-1, fnn, db+1, dn);

nb++;

}

if (pbb-1 >= 0 && tb+1 <= 10 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb+1, tn, cb, \

cn-1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && cb+1 <= 10 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb+1, \

cn-1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && db+1 <= 9 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn-1, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

if (pbb-1 >= 0 && tb+1 <= 10 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb+1, tn-1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && cb+1 <= 10 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn-1, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && db+1 <= 9 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn-1, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

/\* Promotion blanche de fou\_A183-A202 \*/

/\* prise d'1 pièce blanche par les noirs promotion blanche \*/

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && fbn+1 >= 9 && \

db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb, tn, cb, \

cn, fbb, fbn+1, fnb, fnn, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && fbn-1 >= 0 && \

fbn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb, tn, cb, \

cn, fbb, fbn-1+1, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && fbb-1 >= 0 && \

fbn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb, tn, cb, \

cn, fbb-1, fbn+1, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && cb-1 >= 0 && \

fbn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb, tn, cb-1, \

cn, fbb, fbn+1, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && tb-1 >= 0 && \

fbn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1, tb-1, tn, cb, \

cn, fbb, fbn+1, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && fbb+1 >= 9 && \

db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb, tn, cb, \

cn, fbb+1, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && fbb+1 <= 9 && \

fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb, tn, cb, \

cn, fbb+1, fbn-1, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && fbb-1 >= 0 && \

fbb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb, tn, cb, \

cn, fbb-1+1, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && cb-1 >= 0 && \

fbb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb, tn, cb-1, \

cn, fbb+1, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1 <= 8 && pnn-1 >= 0 && tb-1 >= 0 && \

fbb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1, pnn-1, tb-1, tn, cb, \

cn, fbb+1, fbn, fnb, fnn, db, dn);

nb++;

}

/\* prise d'1 pièce noire par les blancs promotion blanche \*/

if (pbn-1 >= 0 && fbb+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb+1, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbn-1 >= 0 && fbb+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb+1, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (pbn-1 >= 0 && fbb+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb+1, fbn, fnb-1, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && cn-1 >= 0 && fbb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn-1, fbb+1, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && tn-1 >= 0 && fbb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn-1, cb, \

cn, fbb+1, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && fbn+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn+1, fnb, fnn, db, dn-1);

nb++;

}

if (pbb-1 >= 0 && fbn+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn+1, fnb, fnn-1, db, dn);

nb++;

}

if (pbb-1 >= 0 && fbn+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn+1, fnb-1, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && cn-1 >= 0 && fbn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn, cb, \

cn-1, fbb, fbn+1, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && tn-1 >= 0 && fbn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb, pnn, tb, tn-1, cb, \

cn, fbb, fbn+1, fnb, fnn, db, dn);

nb++;

}

/\* PRISE D'1 PIÈCE HORMIS PION 2 PROMOTIONS\_A203-A500\*/

/\* promotions blanche et noire mêmes figures promues

équivalentes ou non à la pièce prise : tour, cavalier,

dame\_A203-A262 \*/

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && dn-1 >= 0 && \

tb+1 <= 10 && tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn+1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && dn-1 >= 0 && \

cb+1 <= 10 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb+1, \

cn+1, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && dn-1+1 >= 0 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn-1+1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fnn-1 >= 0 && \

tb+1 <= 10 && tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn+1, cb, \

cn, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fnn-1 >= 0 && \

cb+1 <= 10 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb+1, \

cn+1, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fnn-1 >= 0 && \

dn+1 <= 9 && db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn-1, db+1, dn+1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fnb-1 >= 0 && \

tb+1 <= 10 && tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn+1, cb, \

cn, fbb, fbn, fnb-1, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fnb-1 >= 0 && \

cb+1 <= 10 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb+1, \

cn+1, fbb, fbn, fnb-1, fnn, db, dn-1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fnb-1 >=0 && \

dn+1 <= 9 && db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb-1, fnn, db+1, dn+1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cn-1 >= 0 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn+1, cb, \

cn-1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && dn-1 >= 0 && \

cb+1 <= 10 && cn-1 >= 0 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb+1, \

cn-1+1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cn-1 >= 0 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn-1, fbb, fbn, fnb, fnn, db+1, dn+1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tn-1 >= 0 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn-1+1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tn-1 >= 0 && \

cb+1 <= 10 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn-1, cb+1, \

cn+1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tn-1 >= 0 && dn+1 >= 0 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn-1, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn+1);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tb+1 \

<= 10 && tn+1 <= 10 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb+1, tn+1, cb, \

cn, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && db-1 >= 0 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb+1, \

cn+1, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && db-1 >= 0 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db-1+1, dn+1);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tb+1 \

<= 10 && tn+1 <= 10 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb+1, tn+1, cb, \

cn, fbb, fbn-1, fnb, fnn, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && fbn-1 >= 0 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb+1, \

cn+1, fbb, fbn-1, fnb, fnn, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && fbn-1 >= 0 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn-1, fnb, fnn, db+1, dn+1);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tb+1 \

<= 10 && tn+1 <= 10 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb+1, tn+1, cb, \

cn, fbb-1, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && fbb-1 >= 0 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb+1, \

cn+1, fbb-1, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && fbb-1 >= 0 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb-1, fbn, fnb, fnn, db+1, dn+1);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tb+1 \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb+1, tn+1, \

cb-1, cn, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && cb-1 >= 0 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, \

cb-1+1, cn+1, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && cb-1 >= 0 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb-1, \

cn, fbb, fbn, fnb, fnn, db+1, dn+1);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tb+1 \

<= 10 && tn+1 <= 10 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb-1+1, tn+1, cb, \

cn, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tb-1 >= 0 && \

cb+1 <= 10 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb-1, tn, cb+1, \

cn+1, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tb-1 >= 0 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb-1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn+1);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && dn-1 >= 0 && \

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb+1, tn+1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && dn-1 >= 0 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb+1, \

cn+1, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && dn-1+1 >= 0 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn-1+1);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && fnn-1 >= 0 && \

tb+1 <= 10 && tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb+1, tn+1, cb, \

cn, fbb, fbn, fnb, fnn-1, db, dn);

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb+1, \

cn+1, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && fnn-1 >= 0 && \

dn+1 <= 9 && db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn-1, db+1, dn+1);

nb++;

}

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb+1, tn+1, cb, \

cn, fbb, fbn, fnb-1, fnn, db, dn);

nb++;

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb+1, \

cn+1, fbb, fbn, fnb-1, fnn, db, dn-1);

nb++;

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if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && fnb-1 >=0 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb-1, fnn, db+1, dn+1);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb+1, tn+1, cb, \

cn-1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && dn-1 >= 0 && \

cb+1 <= 10 && cn-1 >= 0 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb+1, \

cn-1+1, fbb, fbn, fnb, fnn, db, dn);

nb++;

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn-1, fbb, fbn, fnb, fnn, db+1, dn+1);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb+1, tn-1+1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

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"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn-1, cb+1, \

cn+1, fbb, fbn, fnb, fnn, db, dn);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn-1, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn+1);

nb++;

}

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb+1, tn+1, cb, \

cn, fbb, fbn, fnb, fnn, db-1, dn);

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"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb+1, \

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db-1+1, dn+1);

nb++;

}

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb+1, tn+1, cb, \

cn, fbb, fbn-1, fnb, fnn, db-1, dn);

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"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb+1, \

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn-1, fnb, fnn, db+1, dn+1);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && tb+1 \

<= 10 && tn+1 <= 10 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb+1, tn+1, cb, \

cn, fbb-1, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && fbb-1 >= 0 && \

cb+1 <= 10 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb+1, \

cn+1, fbb-1, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && fbb-1 >= 0 && \

db+1 <= 9 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb-1, fbn, fnb, fnn, db+1, dn+1);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && tb+1 \

<= 10 && tn+1 <= 10 && cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb+1, tn+1, \

cb-1, cn, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && cb-1 >= 0 && \

cb+1 <= 10 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, \

cb-1+1, cn+1, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && cb-1 >= 0 && \

db+1 <= 9 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb-1, \

cn, fbb, fbn, fnb, fnn, db+1, dn+1);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && tb+1 \

<= 10 && tn+1 <= 10 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb-1+1, tn+1, cb, \

cn, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && tb-1 >= 0 && \

cb+1 <= 10 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb-1, tn, cb+1, \

cn+1, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && tb-1 >= 0 && \

db+1 <= 9 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb-1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn+1);

nb++;

}

/\* Promotion blanche et noire même figure : fous\_A263-A282 \*/

/\* prise par pion blanc \*/

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fbb+1 <= 9 && \

fnb+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb+1, fbn, fnb+1, fnn, db, dn-1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fbb+1 <= 9 && \

fnb+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb+1, fbn, fnb+1, fnn-1, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fbb+1 <= 9 && \

fnb+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb+1, fbn, fnb-1+1, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fbb+1 <= 9 && \

fnb+1 <= 9 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn-1, fbb+1, fbn, fnb+1, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fbb+1 <= 9 && \

fnb+1 <= 9 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn-1, cb, \

cn, fbb+1, fbn, fnb+1, fnn, db, dn);

nb++;

}

if (pbn+1-1 >= 0 && pbb-1 >= 0 && pnn-1 >= 0 && fbn+1 <= 9 && \

fnn+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn+1, fnb, fnn+1, db, dn-1);

nb++;

}

if (pbn+1-1 >= 0 && pbb-1 >= 0 && pnn-1 >= 0 && fbn+1 <= 9 && \

fnn+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn+1, fnb, fnn-1+1, db, dn);

nb++;

}

if (pbn+1-1 >= 0 && pbb-1 >= 0 && pnn-1 >= 0 && fbn+1 <= 9 && \

fnn+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn+1, fnb-1, fnn+1, db, dn);

nb++;

}

if (pbn+1-1 >= 0 && pbb-1 >= 0 && pnn-1 >= 0 && fbn+1 <= 9 && \

fnn+1 <= 9 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn-1, fbb, fbn+1, fnb, fnn+1, db, dn);

nb++;

}

if (pbn+1-1 >= 0 && pbb-1 >= 0 && pnn-1 >= 0 && fbn+1 <= 9 && \

fnn+1 <= 9 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn-1, cb, \

cn, fbb, fbn+1, fnb, fnn+1, db, dn);

nb++;

}

/\* prise par pion noir \*/

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && fbn+1 <= 9 && \

fnn+1 <= 9 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn+1, fnb, fnn+1, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && fbn+1 <= 9 && \

fnn+1 <= 9 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn-1+1, fnb, fnn+1, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && fbn+1 <= 9 && \

fnn+1 <= 9 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb-1, fbn+1, fnb, fnn+1, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && fbn+1 <= 9 && \

fnn+1 <= 9 && cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb-1, \

cn, fbb, fbn+1, fnb, fnn+1, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && fbn+1 <= 9 && \

fnn+1 <= 9 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb-1, tn, cb, \

cn, fbb, fbn+1, fnb, fnn+1, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && fbb+1 <= 9 && \

fnb+1 <= 9 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb+1, fbn, fnb+1, fnn, db-1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && fbb+1 <= 9 && \

fnb+1 <= 9 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb+1, fbn-1, fnb+1, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && fbb+1 <= 9 && \

fnb+1 <= 9 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb-1+1, fbn, fnb+1, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && fbb+1 <= 9 && \

fnb+1 <= 9 && cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb-1, \

cn, fbb+1, fbn, fnb+1, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && fbb+1 <= 9 && \

fnb+1 <= 9 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb-1, tn, cb, \

cn, fbb+1, fbn, fnb+1, fnn, db, dn);

nb++;

}

/\* Promotions blanche et noire avec des figures différentes

promues et différentes de la pièce prise : tour, cavalier,

dame\_A283-A354 \*/

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

cn+1 <= 10 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn, cb, \

cn+1, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

cb+1 <= 10 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn+1, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tb+1 <= 10 && \

cn+1 <= 10 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb+1, tn, cb, \

cn+1, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tn+1 <= 10 && \

cb+1 <= 10 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn+1, cb+1, \

cn, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10 && \

cn+1 <= 10 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb+1, tn, cb, \

cn+1, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && tn+1 <= 10 && \

cb+1 <= 10 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn+1, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10 && \

cn+1 <= 10 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb+1, tn, cb, \

cn+1, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && tn+1 <= 10 && \

cb+1 <= 10 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn+1, cb+1, \

cn, fbb, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

cn+1 <= 10 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn, cb, \

cn+1, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

dn+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn, cb, \

cn, fbb, fbn, fnb, fnn-1, db, dn+1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

cb+1 <= 10 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn+1, cb+1, \

cn, fbb, fbn, fnb, fnn-1, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

db+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn+1, cb, \

cn, fbb, fbn, fnb, fnn-1, db+1, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cb+1 <= 10 && \

dn+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb+1, \

cn, fbb, fbn, fnb, fnn-1, db, dn+1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cn+1 <= 10 && \

db+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn+1, fbb, fbn, fnb, fnn-1, db+1, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

cn+1 <= 10 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn, cb, \

cn+1, fbb, fbn, fnb-1, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

dn+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn, cb, \

cn, fbb, fbn, fnb-1, fnn, db, dn+1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

cb+1 <= 10 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn+1, cb+1, \

cn, fbb, fbn, fnb-1, fnn, db, dn);

nb++;

}

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"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn+1, cb, \

cn, fbb, fbn, fnb-1, fnn, db+1, dn);

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cn, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

if (pbn-1 >= 0 && pbb+1-1 >= 0 && pnb-1 >= 0 && cb+1 <= 10 && \

dn+1 <= 9 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn-1, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn+1);

nb++;

}

if (pbn-1 >= 0 && pbb+1-1 >= 0 && pnb-1 >= 0 && cn+1 <= 10 && \

db+1 <= 9 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn-1, cb, \

cn+1, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb-1, tn, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn+1);

nb++;

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if (pbn-1 >= 0 && pnn+1-1 >= 0 && pnb-1 >= 0 && cn+1 <= 10 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb-1, tn, cb, \

cn+1, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn-1, cb+1, \

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"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn-1, cb, \

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"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb-1, tn, cb+1, \

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb-1, tn, cb, \

cn+1, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

/\* Promotion blanche et noire différentes figures promues

dont 1 fou et différentes de la pièce prise\_A355-A402 \*/

/\* promotion de fou noir \*/

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

fnb+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn, cb, \

cn, fbb, fbn, fnb+1, fnn, db, dn-1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cb+1 <= 10 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb+1, \

cn, fbb, fbn, fnb+1, fnn, db, dn-1);

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb+1, tn, cb, \

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"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn, cb, \

cn-1, fbb, fbn, fnb+1, fnn, db, dn);

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"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn-1, fbb, fbn, fnb+1, fnn, db+1, dn);

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"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb+1, tn, cb-1, \

cn, fbb, fbn, fnb, fnn+1, db, dn);

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"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn-1, cb+1, \

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"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn-1, cb, \

cn-1, fbb, fbn, fnb+1, fnn, db+1, dn);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb-1, tn, cb+1, \

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"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb-1, tn, cb, \

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"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb+1, tn, cb-1, \

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"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb-1, \

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn-1, cb+1, \

cn, fbb, fbn, fnb, fnn+1, db, dn);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn-1, cb, \

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb-1, tn, cb, \

cn, fbb, fbn, fnb+1, fnn, db+1, dn);

nb++;

}

/\* promotion de fou blanc \*/

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

fbb+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn+1, cb, \

cn, fbb+1, fbn, fnb, fnn, db, dn-1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cn+1 <= 10 && \

fbb+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn+1, fbb+1, fbn, fnb, fnn, db, dn-1);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn+1, cb, \

cn, fbb, fbn+1, fnb, fnn, db-1, dn);

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"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn+1, fbb, fbn+1, fnb, fnn, db-1, dn);

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"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn+1, cb, \

cn-1, fbb+1, fbn, fnb, fnn, db, dn);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

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"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn+1, cb-1, \

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"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb-1, \

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"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn-1, cb, \

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn+1, fbb, fbn+1, fnb, fnn, db, dn-1);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && tn+1 <= 10 && \

fbb+1 <= 9 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn+1, cb, \

cn, fbb+1, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && cn+1 <= 10 && \

fbb+1 <= 9 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn+1, fbb+1, fbn, fnb, fnn, db-1, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && tn+1 <= 10 && \

fbn+1 <= 9 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn+1, cb, \

cn-1, fbb, fbn+1, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && dn+1 <= 9 && \

fbn+1 <= 9 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn-1, fbb, fbn+1, fnb, fnn, db, dn+1);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && tn+1 <= 10 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn+1, cb-1, \

cn, fbb+1, fbn, fnb, fnn, db, dn);

nb++;

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if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && dn+1 <= 9 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb-1, \

cn, fbb+1, fbn, fnb, fnn, db, dn+1);

nb++;

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn-1, cb, \

cn+1, fbb, fbn+1, fnb, fnn, db, dn);

nb++;

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if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && dn+1 <= 9 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn-1, cb, \

cn, fbb, fbn+1, fnb, fnn, db, dn+1);

nb++;

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb-1, tn, cb, \

cn+1, fbb+1, fbn, fnb, fnn, db, dn);

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb-1, tn, cb, \

cn+1, fbb+1, fbn, fnb, fnn, db, dn);

nb++;

}

/\* Promotion blanche et noire 1 figure promue équivalente à

la pièce prise\_A403\_A522\*/

/\* promotion de : tour, cavalier et dame \*/

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

dn+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn-1+1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cb+1 <= 10 && \

dn+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn-1+1);

nb++;

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb+1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db-1, dn+1);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb+1, \

cn, fbb, fbn, fnb, fnn, db-1, dn+1);

nb++;

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if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn+1, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn-1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cn+1 <= 10 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn+1, fbb, fbn, fnb, fnn, db+1, dn-1);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn+1, cb, \

cn, fbb, fbn, fnb, fnn, db-1+1, dn);

nb++;

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if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && cn+1 <= 10 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn+1, fbb, fbn, fnb, fnn, db-1+1, dn);

nb++;

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn, cb, \

cn-1+1, fbb, fbn, fnb, fnn, db, dn);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn-1+1, fbb, fbn, fnb, fnn, db+1, dn);

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb+1, tn, cb-1, \

cn+1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb-1, \

cn+1, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn+1, cb+1, \

cn-1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && dn+1 <= 9 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb+1, \

cn-1, fbb, fbn, fnb, fnn, db, dn+1);

nb++;

}

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn+1, cb-1+1, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && dn+1 <= 9 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb-1+1, \

cn, fbb, fbn, fnb, fnn, db, dn+1);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cb+1 <= 10 && \

tn+1 <= 10 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn-1+1, \

cb+1, cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && db+1 <= 9 && \

tn+1 <= 10 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn-1+1, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && cb+1 <= 10 && \

tn+1 <= 10 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb-1, tn+1, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && db+1 <= 9 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb-1, tn+1, cb, \

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn-1, cb, \

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb+1, tn-1, cb, \

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tb+1 <= 10 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb-1+1, tn, cb, \

cn+1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && dn+1 <= 9 && \

tb+1 <= 10 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb-1+1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn+1);

nb++;

}

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb+1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn-1+1);

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"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn-1+1);

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"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb+1, tn, cb, \

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"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb-1, \

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nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && tn+1 <= 10 && \

cb+1 <= 10 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn+1, cb+1, \

cn-1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && dn+1 <= 9 && \

cb+1 <= 10 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb+1, \

cn-1, fbb, fbn, fnb, fnn, db, dn+1);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && tn+1 <= 10 && \

cb+1 <= 10 && cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn+1, cb-1+1, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && dn+1 <= 9 && \

cb+1 <= 10 && cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb-1+1, \

cn, fbb, fbn, fnb, fnn, db, dn+1);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10 && \

tn+1 <= 10 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn-1+1, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && db+1 <= 9 && \

tn+1 <= 10 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn-1+1, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10 && \

tn+1 <= 10 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb-1, tn+1, cb+1, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && db+1 <= 9 && \

tn+1 <= 10 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb-1, tn+1, cb, \

cn, fbb, fbn, fnb, fnn, db+1, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && cn+1 <= 10 && \

tb+1 <= 10 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb+1, tn-1, cb, \

cn+1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && dn+1 <= 9 && \

tb+1 <= 10 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb+1, tn-1, cb, \

cn, fbb, fbn, fnb, fnn, db, dn+1);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && cn+1 <= 10 && \

tb+1 <= 10 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb-1+1, tn, cb, \

cn+1, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && dn+1 <= 9 && \

tb+1 <= 10 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb-1+1, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn+1);

nb++;

}

/\* promotion de : fou noir \*/

/\* prise d'1 fou \*/

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

fnb+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cb+1 <= 10 && \

fnb+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && db+1 <= 9 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

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if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cb+1 <= 10 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && db+1 <= 9 && \

fnb+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tb+1 <= 10 && \

fnn+1 <= 9 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && cb+1 <= 10 && \

fnn+1 <= 9 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && db+1 <= 9 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tb+1 <= 10 && \

fnb+1 <= 9 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && cb+1 <= 10 && \

fnb+1 <= 9 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && db+1 <= 9 && \

fnb+1 <= 9 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10 && \

fnn+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

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}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10 && \

fnn+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && db+1 <= 9 && \

fnn+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10 && \

fnn+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10 && \

fnn+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && db+1 <= 9 && \

fnn+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10 && \

fnb+1 <= 9 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10 && \

fnb+1 <= 9 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && db+1 <= 9 && \

fnb+1 <= 9 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10 && \

fnb+1 <= 9 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10 && \

fnb+1 <= 9 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && db+1 <= 9 && \

fnb+1 <= 9 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* promotion de : fou noir \*/

/\* prise d'1 pièce différente du fou \*/

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fnb+1 <= 9 && \

db+1 <= 10 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && fnn+1 <= 9 && \

db+1 <= 9 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cb+1 <= 10 && \

fnb+1 <= 9 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && cb+1 <= 10 && \

fnn+1 <= 9 && cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tb+1 <= 10 && \

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && fnn+1 <= 9 && \

db+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && fnb+1 <= 9 && \

db+1 <= 9 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

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if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10 && \

fnn+1 <= 9 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

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"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

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nb++;

}

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

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{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* promotion de : fou blanc \*/

/\* prise d'1 fou \*/

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

fbb+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cn+1 <= 10 && \

fbb+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && dn+1 <= 9 && \

fbb+1 <= 10 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

fbb+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cn+1 <= 10 && \

fbb+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && dn+1 <= 9 && \

fbb+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tn+1 <= 10 && \

fbn+1 <= 9 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && cn+1 <= 10 && \

fbn+1 <= 9 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && dn+1 <= 9 && \

fbn+1 <= 9 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && tn+1 <= 10 && \

fbn+1 <= 9 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && cn+1 <= 10 && \

fbn+1 <= 9 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && dn+1 <= 9 && \

fbn+1 <= 9 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && tn+1 <= 10 && \

fbn+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && cn+1 <= 10 && \

fbn+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && dn+1 <= 9 && \

fbn+1 <= 9 && fnn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && tn+1 <= 10 && \

fbn+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && cn+1 <= 10 && \

fbn+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && dn+1 <= 9 && \

fbn+1 <= 9 && fnb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && tn+1 <= 10 && \

fbb+1 <= 9 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && cn+1 <= 10 && \

fbb+1 <= 9 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && dn+1 <= 9 && \

fbb+1 <= 9 && fbn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && tn+1 <= 10 && \

fbb+1 <= 9 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && cn+1 <= 10 && \

fbb+1 <= 9 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && dn+1 <= 9 && \

fbb+1 <= 9 && fbb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* promotion de : fou blanc \*/

/\* prise d'1 pièce différente du fou \*/

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fbb+1 <= 9 && \

dn+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && fbn+1 <= 9 && \

dn+1 <= 9 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fbb+1 <= 9 && \

cn+1 <= 10 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && fbn+1 <= 9 && \

cn+1 <= 10 && cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fbb+1 <= 9 && \

tn+1 <= 10 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb+1-1, pbn-1, pnb-1, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && pnn+1-1 >= 0 && fbn+1 <= 9 && \

tn+1 <= 10 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn-1, pnb-1, pnn+1-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && fbn+1 <= 9 && \

dn+1 <= 9 && dn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && fbb+1 <= 9 && \

dn+1 <= 10 && db-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && fbn+1 <= 9 && \

cn+1 <= 10 && cn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && fbb+1 <= 9 && \

cn+1 <= 10 && cb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1-1 >= 0 && pnn-1 >= 0 && fbn+1 <= 9 && \

tn+1 <= 10 && tn-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn+1-1, pnb, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb+1-1 >= 0 && pnn-1 >= 0 && fbb+1 <= 9 && \

tn+1 <= 10 && tb-1 >= 0)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn, pnb+1-1, pnn-1, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* PRISE D'1 PION 1 PROMOTION\_A523-A570 \*/

// Promotion noire : tour ou cavalier ou dame

/\* promotion de couleur celle du pion qui fait la prise ou du

pion de couleur de la pièce promue ( prise de pion par dame,

tour, fou, cavalier, ou roi noirs ) \*/

if (pbn-1 >= 0 && pnn-1 >= 0 && tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnn-1 >= 0 && tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnn-1 >= 0 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnn-1 >= 0 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

// promotion de couleur celle du pion pris

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 \

&& tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 \

&& cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb+1 <= 8 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 \

&& dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnb-1 >= 0 && pnn-1 >= 0 \

&& tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnb-1 >= 0 && pnn-1 >= 0 \

&& cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn+1 <= 8 && pnb-1 >= 0 && pnn-1 >= 0 \

&& dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* Promotion noire : fou par prise de pion, dame, tour,

fou, cavalier, ou roi noirs \*/

/\* promotion de couleur celle du pion qui fait la prise ou

du pion de couleur de pièce promue \*/

if (pbn-1 >= 0 && pnn-1 >= 0 && fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnn-1 >= 0 && fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

// promotion de couleur celle du pion pris

if (pbb+1 <= 8 && pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 \

&& fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 <= 8 && pnb-1 >= 0 && pnn-1 >= 0 \

&& fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* Promotion blanche : tour, cavalier, dame par prise de

pion, dame, tour, fou, cavalier, ou roi blancs \*/

/\* promotion de couleur celle du pion qui fait la prise ou

du pion de couleur de pièce promue\*/

if (pbn-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnb-1 >= 0 && db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnn-1 >= 0 && db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

// promotion de couleur celle du pion pris

if (pnn-1 >= 0 && pnb+1 <= 8 && pbn-1 >= 0 && pbb-1 >= 0 \

&& tb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && pnb+1 <= 8 && pbn-1 >= 0 && pbb-1 >= 0 \

&& cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnn-1 >= 0 && pnb+1 <= 8 && pbn-1 >= 0 && pbb-1 >= 0 \

&& db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn+1 <= 8 && pbb-1 >= 0 && pbn-1 >= 0 \

&& tb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn+1 <= 8 && pbb-1 >= 0 && pbn-1 >= 0 \

&& cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn+1 <= 8 && pbb-1 >= 0 && pbn-1 >= 0 \

&& db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* Promotion blanche : fou par prise de pion, dame, tour,

fou, cavalier, ou roi blancs \*/

/\* promotion de couleur celle du pion qui fait la prise ou

du pion de couleur de la pièce promue \*/

if (pbn-1 >= 0 && pnn-1 >= 0 && fbb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnn-1 >= 0 && fbb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && fbn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnn-1 >= 0 && fbn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

// promotion de couleur celle du pion pris

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb+1 <= 8 && pbb-1 >= 0 && \

fbb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn+1 <= 8 && pbn-1 >= 0 && \

fbn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* PRISE D'1 PION 2 PROMOTIONS\_A571-A674 \*/

/\* Promotion blanche et noire : tour(s), cavalier(s), dame(s) \*/

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && cb+1 <= 10 && \

cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && cb+1 <= 10 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && cn+1 <= 10 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && db+1 <= 9 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && tb+1 <= 10 && \

tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && tb+1 <= 10 && \

cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && tb+1 <= 10 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && tn+1 <= 10 && \

cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && tn+1 <= 10 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && cb+1 <= 10 && \

cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && cb+1 <= 10 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && cn+1 <= 10 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && db+1 <= 9 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10 && \

tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10 && \

cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && tn+1 <= 10 && \

cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && tn+1 <= 10 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10 && \

cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && cn+1 <= 10 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && db+1 <= 9 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && tb+1 <= 10 && \

tn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && tb+1 <= 10 && \

cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && tb+1 <= 10 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && tn+1 <= 10 && \

cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && tn+1 <= 10 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && cb+1 <= 10 && \

cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && cb+1 <= 10 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && cn+1 <= 10 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && db+1 <= 9 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* Promotion blanche et noire : fous, fou et tour, fou et

cavalier, fou et dame \*/

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && fbb+1 <= 9 && \

fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && cb+1 <= 10 && \

fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && fnb+1 <= 9 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && tn+1 <= 10 && \

fbb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && cn+1 <= 10 && \

fbb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pnb-1 >= 0 && fbb+1 <= 9 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && fbb+1 <= 9 && \

fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && tn+1 <= 10 && \

fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && cb+1 <= 10 && \

fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && fnb+1 <= 9 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && tn+1 <= 10 && \

fbb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && cn+1 <= 10 && \

fbb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbn-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && fbb+1 <= 9 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && fbn+1 <= 9 && \

fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10 && \

fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10 && \

fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && fnn+1 <= 9 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && tn+1 <= 10 && \

fbn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && cn+1 <= 10 && \

fbn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && fbn+1 <= 9 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && fbn+1 <= 9 && \

fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && tb+1 <= 10 && \

fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && cb+1 <= 10 && \

fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && fnn+1 <= 9 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && tn+1 <= 10 && \

fbn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && cn+1 <= 10 && \

fbn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pnb-1 >= 0 && pbn-1 >= 0 && fbn+1 <= 9 && \

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* 2 Promotions blanches : tour(s), cavalier(s), dame(s) \*/

if (pbb-1 >= 0 && pbn-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10 && \

cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnn-1 >= 0 && tb+1 <= 10 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnn-1 >= 0 && cb+1 <= 10 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tb+1 <= 10 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cb+1 <= 10 && \

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnn-1 >= 0 && tb+2 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnn-1 >= 0 && cb+2 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnn-1 >= 0 && db+2 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && tb+2 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && cb+2 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && db+2 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* 2 Promotions blanches : fous, fou et ( tour, cavalier, dame ) \*/

if (pbb-1 >= 0 && pbn-1 >= 0 && pnn-1 >= 0 && fbb+2 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fbn+2 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnn-1 >= 0 && fbb+1 <= 9 &&\

tb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnn-1 >= 0 && fbb+1 <= 9 &&\

cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnn-1 >= 0 && fbb+1 <= 9 &&\

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fbn+1 <= 9 &&\

tb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fbn+1 <= 9 &&\

cb+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && fbn+1 <= 9 &&\

db+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* 2 Promotions noires : tour(s), cavalier(s), dame(s) \*/

if (pnb-1 >= 0 && pnn-1 >= 0 && pbn-1 >= 0 && tn+1 <= 10 &&\

cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbn-1 >= 0 && tn+1 <= 10 &&\

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbn-1 >= 0 && cn+1 <= 10 &&\

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && tn+1 <= 10 &&\

cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && tn+1 <= 10 &&\

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && cn+1 <= 10 &&\

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbn-1 >= 0 && tn+2 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbn-1 >= 0 && cn+2 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbn-1 >= 0 && dn+2 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && tn+2 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && cn+2 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && dn+2 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* 2 Promotions noires : fous, fou et ( tour, cavalier, dame ) \*/

if (pnb-1 >= 0 && pnn-1 >= 0 && pbn-1 >= 0 && fnb+2 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && fnn+2 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbn-1 >= 0 && tn+1 <= 10 &&\

fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbn-1 >= 0 && cn+1 <= 10 &&\

fnb+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbn-1 >= 0 && fnb+1 <= 9 &&\

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && tn+1 <= 10 &&\

fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && cn+1 <= 10 &&\

fnn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && fnn+1 <= 9 &&\

dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* PRISE D'1 PION 3 PROMOTIONS\_A675-A762 \*/

/\* promotion 2 même figures de même couleur : tours, cavaliers,

dames \*/

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && \

tb+2 <= 10 && cn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && \

tb+2 <= 10 && dn+1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && \

cb+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && \

cb+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && \

db+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && \

db+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && pbn-1 >= 0 && \

tn+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && pbn-1 >= 0 && \

tn+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && pbn-1 >= 0 && \

cn+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && pbn-1 >= 0 && \

cn+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && pbn-1 >= 0 && \

dn+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && pbn-1 >= 0 && \

dn+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* promotion 2 même figures de même couleur : fous \*/

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && \

fbb+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && \

fbb+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && \

fbb+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && \

fbn+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && \

fbn+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pbb-1 >= 0 && pbn-1 >= 0 && pnb-1 >= 0 && pnn-1 >= 0 && \

fbn+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && pbn-1 >= 0 && \

fnb+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && pbn-1 >= 0 && \

fnb+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && pbn-1 >= 0 && \

fnb+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && pbn-1 >= 0 && \

fnn+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && pbn-1 >= 0 && \

fnn+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && pbn-1 >= 0 && \

fnn+2 <= 10 && +1 <= 10)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb, pbn, pnb, pnn, tb, tn, cb, \

cn, fbb, fbn, fnb, fnn, db, dn);

nb++;

}

/\* promotion 2 même figures de différentes couleurs : tour,

cavalier, dame \*/

/\* promotion 2 même figures de differentes couleurs : fous

/\* promotion 3 même figures 2 de même couleur : tour, cavalier,

dame \*/

/\* promotion 3 même figures 2 de même couleur : fous \*/

/\* promotion 3 différentes figures 2 de même couleur : tour,

cavalier, dame \*/

/\* promotion 3 différentes figures 2 de même couleur : fous \*/

/\* prise\_d'1\_pion\_3\_promotions\_différentes\_

A762-FIN\_DE\_L'ALGORITHME! \*/

if (pnb-1 >= 0 && pnn-1 >= 0 && pbb-1 >= 0 && cb+1 <= 10 && \

fnn+1 <= 9 && dn+1 <= 9)

{fprintf(f\_exit,"%03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld %03ld %03ld %03ld %03ld %03ld %03ld "

"%03ld\n", pbb-1, pbn-1, pnb-1, pnn-1, tb, tn, cb+1, \

cn, fbb, fbn, fnb, fnn+1, db, dn+1);

nb++;

}

}

}

while( i-- > 1);

fclose(f\_init);

fclose(f\_exit);

fprintf(stderr, "'\a'"); /\* produit 1 <<bip>> sur le terminal par

l'activation du caractère d'alerte qui est

généralement le caractère BELL codé ici dans

mon implémentation par la constante caractère

'\a' signifiant alerte sonore \*/

fprintf(stderr, "'\a'");

fprintf(stderr, "'\a'");

/\* fprintf(stderr,"temps consommé par processeur principal : "

"%.10f secondes\n", cputimeget()); \*/

system("pause"); /\* commande système qui met le processus

courant en attente d'un signal, et affiche

sur le terminal attaché au processus (contrôle

à tester dans 1 environnement multi-terminaux!)

le message suivant :

" attente d'1 frappe "

et positionne 1 curseur clignotant en attente

d'1 frappe!

\*/

fprintf(stderr, "fin des calculs de l'algorithme !!!\n");

fprintf(stderr, "nombre de lignes de l'algorithme executees \n"

"et formatees dans les 4 fichiers : %ld\n", nb);

/\* fprintf(stderr,"temps consommé par processeur principal : "

"%.10f secondes\n", cputimeget()); \*/

fprintf(stderr, "taper sur la touche \"return\" pour sortir du programme!");

/\* system("date"); \*/

while (fgetc(stdin) != '\r') /\* effectue une attente conditionnée

par l'exécution d'1 caractère

spécifique sur le terminal d'entrée

attaché au processus, ici le clavier

qui est la constante caractère '\r'

codant la touche "return" du clavier

\*/

break ;

}

return EXIT\_SUCCESS;

}