

```

\o\o
\OP1ins\
\OP1del
\OP2del
{
}
POSx
POS:
a+
b<
Maxnum(POS)+
1}
{
}
SUBSETIntervals:
\forall i,j \in
ints:
i[2]+
i[1]≤
j[1]∨
j[2]+
j[1]≤
i[1]∨
i=
j}\{\{\}
NoncoIntervals
{}
}
T.
TRUE
IN<
t>
\oSetTOSeq(T\t)
∈
T.
TRUE
INSeqset(T\t)∪
SetTOSeq(t)
NoncoSeqSeqset(NoncoIntervals)
NoncoSeq
\oSubSeq
\oSubSeq(list,pos+
len,Len(list))
\oSubSeq(list,ints[num][2]
+
ints[num[1],Len(list)),ints,num-
1)
^rop.type =
"ins"->
Xforminsins(lop,rop)
[]lop.type =
"ins"∧
rop.type =
"del"->
Xforminsdel(lop,rop)
[]lop.type =
"ins"∧
rop.type =
"set"->
Xforminsset(lop,rop)
insinsXforminsinsXforminsins(lins,rins)insins
insdelXforminsdelrXforminsdelr(ins,del)insdel
<
del.pos- >
ins
[]ins.pos >
del.pos∧
ins.pos <
del.pos+
del.len- >
NOP
[]ins.pos ≥
del.pos+
del.len->
[insEXCEPT!.pos =
@-
del.len]
Xformdeldelm
newposnewlen
newposnewlen
newpos
^pos >
ints[i][1]+
ints[i][2]THENpos-
Dlen(ints,i,0)
ELSEIFpos ≥
ints[i][1]∧
pos <

```