Supp LICO holds before on arbiniter. and LIGO, LIGO holds

c1=c+p) [line 7] j'=j+1 [line 7]

c=# of non-empty even parity substrings in 6[0:j] by LICb)
c is similar

c)=c+p)=>p'=c)-c

Prove difference in wand c is thof EP suffixes in b[0:j']
b[0:j']=b[0:j]. O or b[0:j].

Its easy to see that c>c bc. all the s.s. in b[0:j] are
in b[0:j')

If you diregard all s.s. in b[0:j] that are in b[0:j'],
all remaining s.s. must be suffixes

Even parity substrings clearly must be substrings

So c'-c=|{even parity substrings in b[0:j'] but not b[0:j]}|
=|{even parity suffixes in b[0:j']}|
as wanted

Since p'= c'-c, p'= l Eeven parity saffixes in b[0:3']31

oo LI(c) holds