

```

forall_corr
corrs<- lower all_corr higher;i;j;corr;sz;order
i<lower
corrs<0ρ0
L1: j<i+1
L2: corrs< corrs , i , j , i check_corr j
a[]<'i = '
a[]<i
a[]<' j = '
a[]<j
→(higher ≥ j<j+1)ρL2
→(higher > i<i+1)ρL1
sz<1+(higher - lower)
a[]corrs<(sz , sz) ρ corrs
sz< (ρcorrs)÷4
corrs < (sz , 4 ) ρ corrs
cr1<corrs[;1]
cr2<corrs[;2]
cr3<corrs[;3]
cr4<corrs[;4]
order<ψcr3
cr1<(sz , 1) ρ cr1[order]
cr2<(sz , 1) ρ cr2[order]
cr3<(sz , 1) ρ cr3[order]
cr4<(sz , 1) ρ cr4[order]
corrs < cr1,[2]cr2,[2]cr3,[2]cr4

```