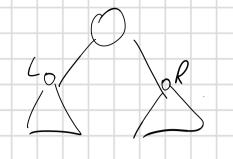


## AVL



h(J)- B610079 Lo Mura or zandes

h(v)= dist no bepunnan

h(L) - h(R)/4

() h C v J = 1

h = 4

> ro h logh

= f(h) = min # bepun b genebe c bonoron h

h(V)= max (h(R), h(L)) +1

h-1 0 h-1 uny

Size(V) = Size(L) + Size(R) +1

 $f(h) = f(h-1) + f(h-2) + 1 \ge e^h \approx \left(\frac{1/\sqrt{h}}{2}\right)^h$ 

h begunn -> h = /yh

 $h \leq h(v) \leq e^h$ 

h(1)≥ N

 $!h \rightarrow mq + h , h > f(h) > \psi^h$ 

h = logen O(logn)

