Il lo=0, hi=mx; // mx = maximum possible answer. while (10 < hi) { // lo=hi Rem loop break mater 1 11 mid = (lo+hi+(1)>>1; if (condition) //valld condition, and ans can be bigger than mid. hi= mid-1; "invalid condition, and is less than mid. else - Wir mild - Sap; or 30 while (10 2 ti) } 11 mid = (lo +hi)>>1; if (condition) // valid condition hi = mid; // ans can be mid or less than mid else lo= mid+1; Il ans is greater than mid. 1700 : 1 + bir = of e.g., 1 2 3 4 5 6 7 8,

or ease mid = 1+8 = 4 , lo = 4 , hi = 8 -> 5 ft num

So, for case - I, mid = (lo+hi+1)>>1Zerotil Plus

Coturbume USP + Clavelenic Acid BP

= (1+8+1)=5, lo=5, hi=8)

1

For floating number! 1d lo=0, hi= mx; esp=maxError; while (hi-lo > esp){ while (lo >hi) ld mid = (lo + hi +esp)/2.0; or while (hi - 10 > 0)-→ hi-lo = 0 2(m2 if (condition) loop break ANA lo= mid; else hi= mid-15p; 7 same as before. or, while (hi-lo>sp) { Id mid = (10 +hi) /2.0; if (condition) hi = mid ; lo= mid+ =; esp;