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Finding square Root of a number
   + Square Root of a number is obviously
 less than that number.
   . > Do binary search (Sort of nos)
    For example: Sgit (36)
 PERECT SQUARE:
    =) Mid = 18 1971
       18 18*18 = 36 NO
   18 * 18 736
      Then 8 nd = Mid-1
   =) 0 - 17 > 1 / 1
   >> Nid = 8
  18 848 = 36 NO
  1 848 > 36
   Then 8nd=Mid-1
 => 0 - 8
 Mid - 4

Is 4*4 = 36 NO
  $$ 4*4 < 36
    Start = Mid +1
5-8 manufactures and 1
   Mid = 6
     I8 6*6 = 36 Yes
  * Then sgrt of 36 = 6.
General:
if (m*m>n) &
 end = m-1);
   Start = m+13
```

Square root is "decimal value: For example: sqrt (40) = 6.32 >) The Priteges value can be gotten with above method. => But to get the decimal values * Increment the decimal values in its place. => sqrt=6 & got from above method 1. 36 6*6 < 40 Yes 2. In agment 1st decimal value 6.1 => 6.1 × 6.1 = 40 NO 6.1 \$ 6.1 < 40 3. Incement 1st decimal value 6.8 => 6.2 40 Increment 1st decimal value 6.3 => 6.3 * 6.3 < 40 5 Incement 1st decimal value 6.4 => 6.4 × 6.4 > 40 6. Then decrement => 6.2 this is the answer T. Then add second decimal value 6.3 +0.01 => 6.81 => 6.31 * 6.31 < 40 8. Increment the 2rd decimal place =>-6.38. > Ans