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--*****************************************************************
-- Name    : CurSelCubeHybridPop
-- Date    : October 2017
-- Author  : Mohamed Houri
-- Purpose: gives the selectivity low and high value range of a Hybrid
--          popular histogram bind variable having an endpoint number
--          when this bind variable is used in a bind aware cursor
--*****************************************************************
var num_rows number
begin
 select num_rows into :num_rows from all_tables where table_name = 'ACS_TEST_TAB';
end;
/

col bind format a10
select
    bind
   ,round((sel_of_bind - offset),6) low
   ,round((sel_of_bind + offset),6) high
from
    (select
      endpoint_actual_value bind
     ,value_count/:num_rows sel_of_bind
       ,0.1*(value_count/:num_rows) offset
     from
     (
      select
        endpoint_actual_value
       ,(endpoint_repeat_count* :num_rows/sample_size) value_count
      from (
                select
                     uth.endpoint_actual_value
                    ,uth.endpoint_repeat_count
                    ,ucs.sample_size
                from
                    user_tab_histograms uth
                   ,user_tab_col_statistics ucs
              where
                    uth.table_name   = ucs.table_name
               and uth.column_name   = ucs.column_name
               and uth.table_name    = 'ACS_TEST_TAB'
               and uth.column_name   = 'RECORD_TYPE'
               )
      )
     )
where bind = &bind
    ;
```