data generated by below query (459203 rows)

```
SELECT    ros.r_os_id, ros.production_line_name, ccm.sequence_id,
          os.reference_date, NVL( TO_CHAR(slab.piece_id),'NA') piece_id,
          NVL( TO_CHAR(slab.material_id),'NA') material_id,
          NVL(TO_CHAR(slab.mold_width),'NA') mold_width,
          NVL( TO_CHAR(mat.width),'NA') width,
          NVL( TO_CHAR(mat.thickness),'NA') thickness,
          NVL( TO_CHAR(mat.weight),'NA') weight, NVL( TO_CHAR(mat.length),'NA')
          length, NVL( TO_CHAR(mat.heat_id),'NA') heat_id,
          NVL( TO_CHAR(mat.steel_grade_id_int),'NA') steel_grade_id_int,
          NVL( TO_CHAR(slab.exit_temp),'NA') exit_temp,
          NVL( TO_CHAR(mat.slab_transition),'NA') slab_transition

FROM      L3MAIN.r_os ros
          LEFT JOIN L3MAIN.r_ccm ccm ON ros.r_os_id = ccm.r_os_id
          LEFT JOIN L3MAIN.r_ccm_slab slab ON ros.r_os_id = slab.r_os_id
          LEFT JOIN L3MAIN.r_mat mat ON ros.r_os_id = mat.r_os_id
          LEFT JOIN L3MAIN.r_os os ON ros.r_os_id = os.r_os_id

WHERE     sequence_id IS NOT NULL;
```