



JoeM Alteryx Alumni (Retired)

Last week's solution can be found here!

This week's challenge was brought to you by no other than the distinguished  $\underline{@ \text{Joe Mako}!}$ 

A bill of materials or product structure (sometimes bill of material, BOM or associated list) is a list of the raw materials, sub-assemblies, intermediate assemblies, subcomponents, parts and the subcomponents each needed to manufacture an end product.

In the bill of materials, each record is a line item with a Line ID, Level, Part Number, Description, Unit, Quantity, and Parent ID. Your challenge is to calculate the 'Full Quantity' and 'Parent Quantity' of each line item. For example, 1 car has 4 wheels, each wheel has 5 bolt assemblies, and each bolt assembly has 2 washers. For the washer line item, the Full Quantity is 40, and the Parent Quantity is 20.

The ideal solution would work for any number of levels.











