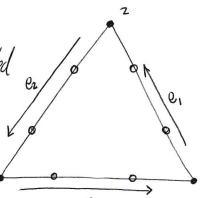
= Geodesic Sphere refinement =

· explaining the algorithm used in the make allipsoid-py code

1) make edge divisions

divided edges are arched
 so that are not doubly divided

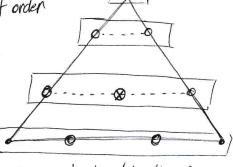
• new vertex indicies are stored in e in the counterclockwise orientation



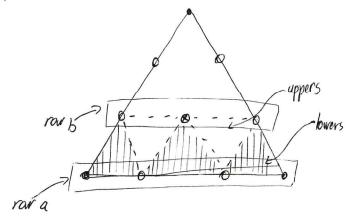
2) create dividing rows and interior points

boxed edges are the rows
stored in left to right order

 # added interior points subtacts by I with each upward rew



3) iterate over pairs of rows to tesselate the faces



new transles:

g-1 inspers

E [a;, a;+1, b;]

uppers <u>lowers</u> <u>2</u> [b_i, a_{i+1}, b_{i+1}

g = # segments now a is divided into $\Rightarrow g = n$ on bottom row and subtract by 1 with each higher now

	X		