**1. Objective**

Calculate the values of SEDI

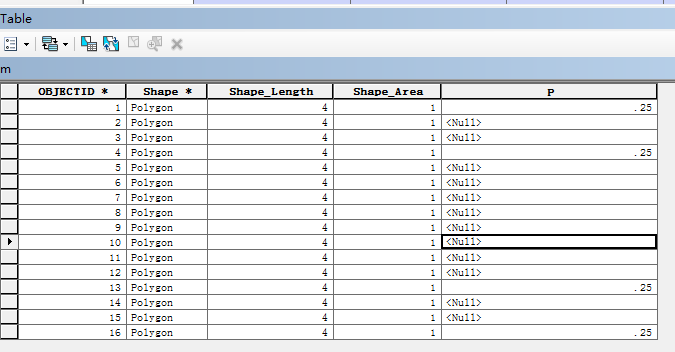
**2. Data preparations**

**1.1** Build *mdb*, and name the layer *m* (*unique name*) as follows:





**1.2** The layer *m* must include Field *P*, and ∑*P* =1, *e.g.,* Figure 6 of the paper:



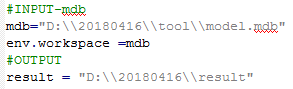
**1.3** Build a new folder to record the resulting values of the index：





**3.Running codes**

Please open Python codes，modify the input and output parameters:



Using Python IDLE to open the code，press " F5"; wait for a while, then the resulting values of the index can be produced：





Notes: during the operation of the program, the ARCGIS Software should be shut down. Before applying the program to another layer, all files under the "*result*" layer must be removed; the name of the new layer should be replaced with ''*m*''.

*Good luck!*