Use Serpent to calculate control rod worth for a small HTR (U-Battery), using natural and 90% enriched boron in the rods.

Total bank worth ≈ 10 000 pcm

How many control rods are necessary to respect for a single control rod?

Place control rods in

* radial graphite reflector blocks.
* internal graphite reflector blocks.

Sample Serpent input file is available on Canvas Read and refer to Ding 2011 - Neutronics design of U-Battery