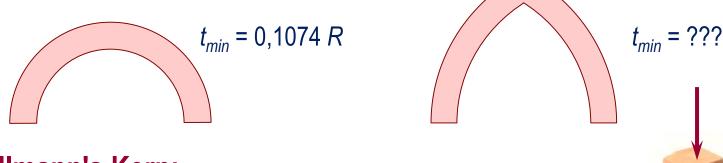
Suggested problems for HW

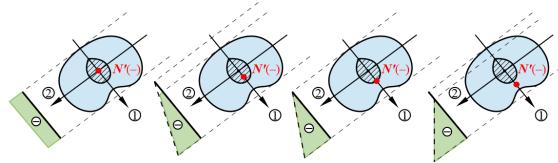
(1) Comparison of DEM and nonlinear FEM:

simulate the same problem in DEM as your project in Nonlinear FEM

(2) Minimally necessary thickness of the equilateral Gothic arch:

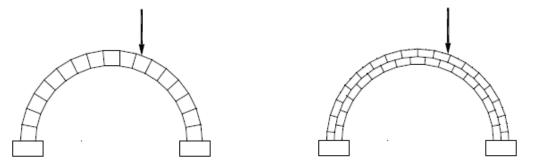


(3) Cullmann's Kern:



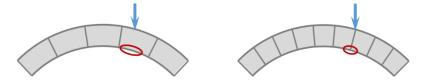


(4) Single-ring arch versus double-ring arch:



Compare: Critical position of the load? Failure load magnitude?

(5) Size effect of the voussoirs:



To analyze: How the failure load depends on the size of blocks?

(6) YOUR OWN IDEA