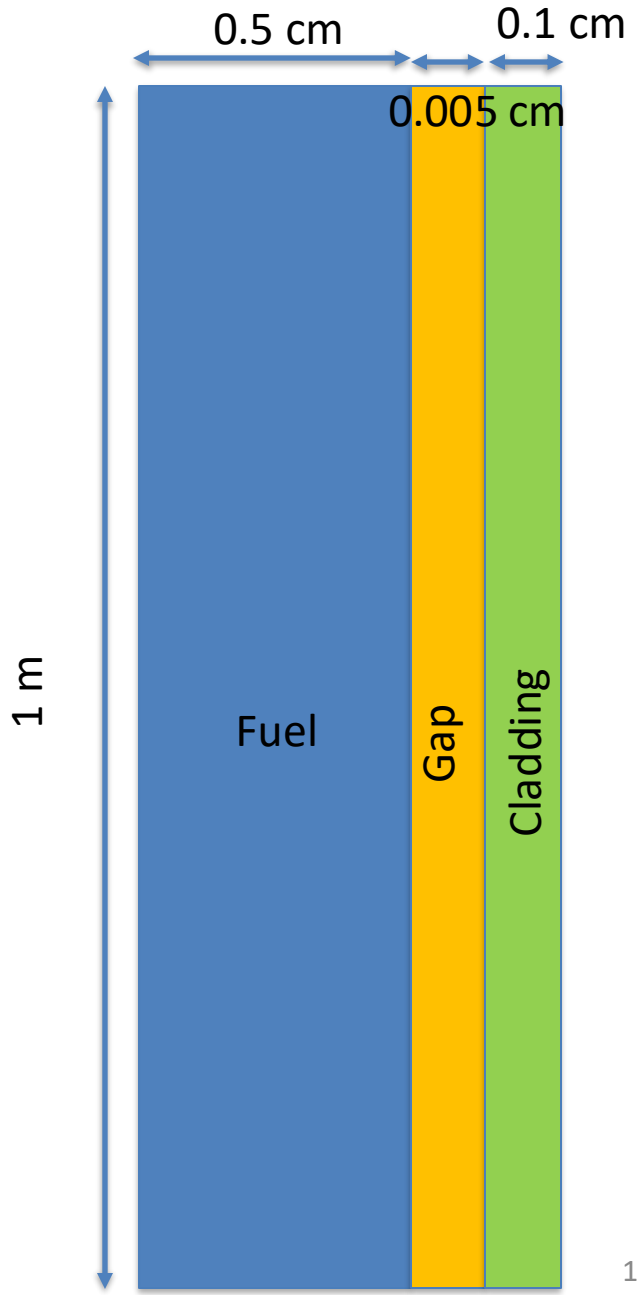
MOOSE Project Part 2

- Fuel pin dimensions listed – 2D RZ
- Assume reasonable values for thermal conductivities, T dependent
- Utilize axial T_{cool}, with T_{cool}^{in}= 500 K, reasonable flow rate, heat capacity, etc.
- Utilize axial LHR, with LHR^{0}=350 W/cm
- Solve temperature profile for cladding surface, fuel surface, fuel centerline
- Find axial location of peak centerline temperature



MOOSE Part 2 Writeup

- Will upload input and output files to Moodle
- Write up with deliverables from Part 1 & 2, choice of materials, mesh, details therein, etc.
- Expected to have fixed any issues with Part 1
- Part 2 writeup max of 8 pages
- Due March 28