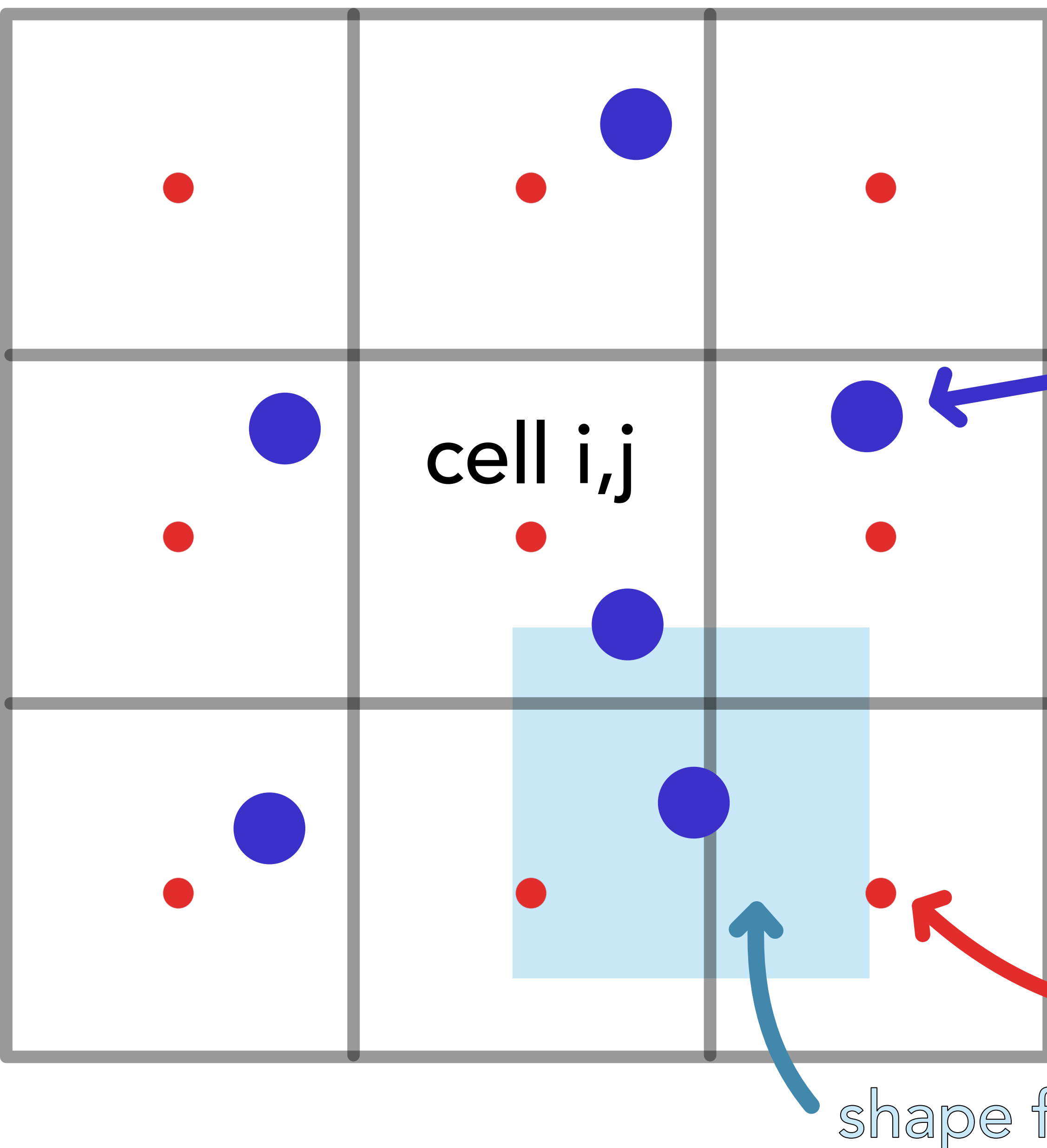


# constructing a meshed density based on particle positions

then easily  
solve Poisson  
equation



## What mass should be assigned to a cell?

particles

Distribute the particle mass based on the overlap between a shape function and cell

grid points / cell centers

shape function