

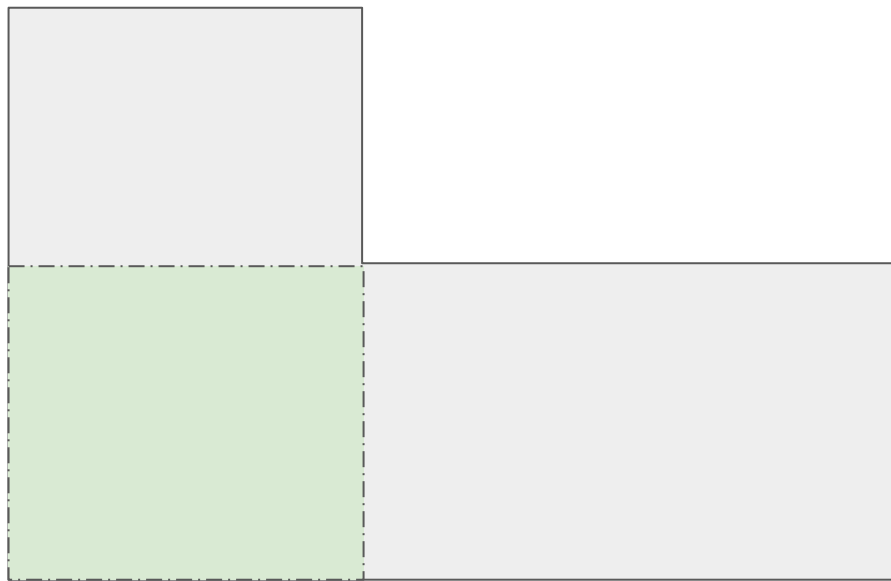
Surveillance

NADC 2021

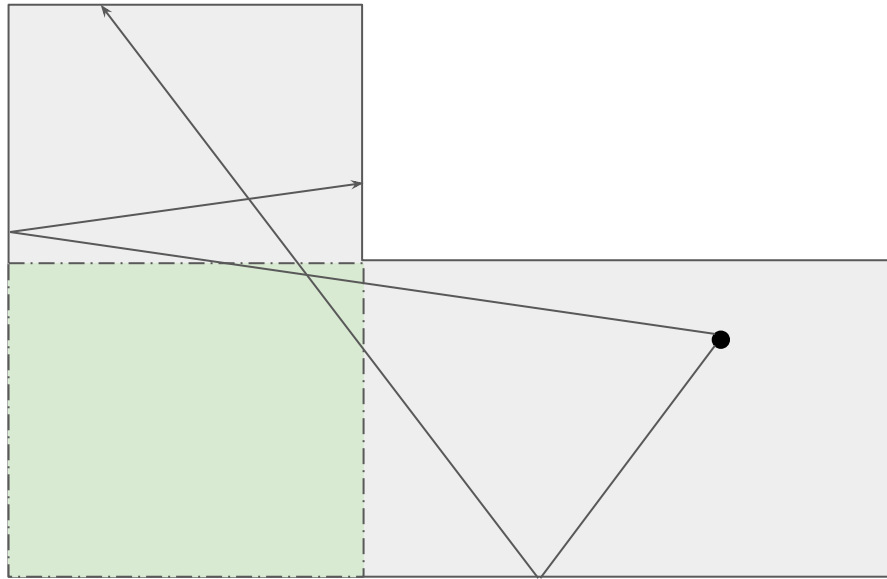
N can only be 4 or 6 as walls are axis aligned; 4 is easy



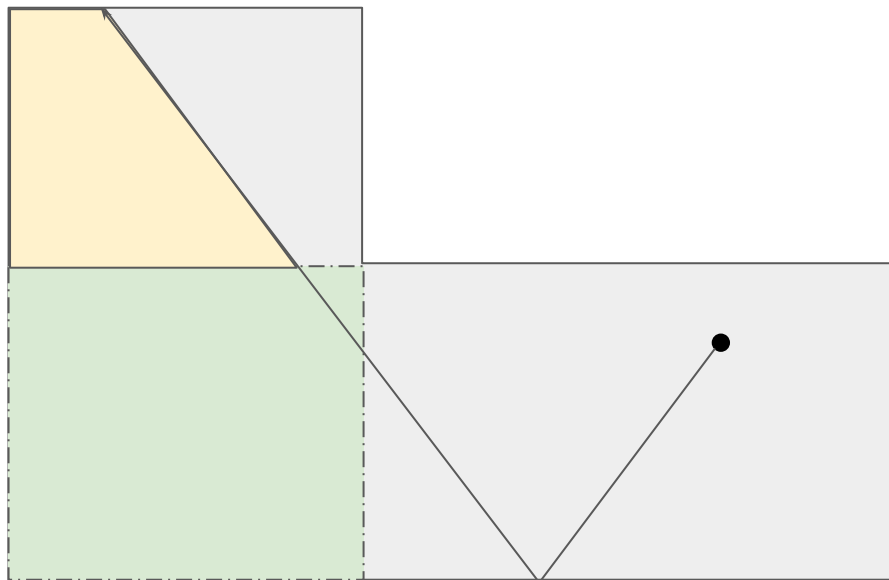
6 is always an L shape, and the joint is always valid



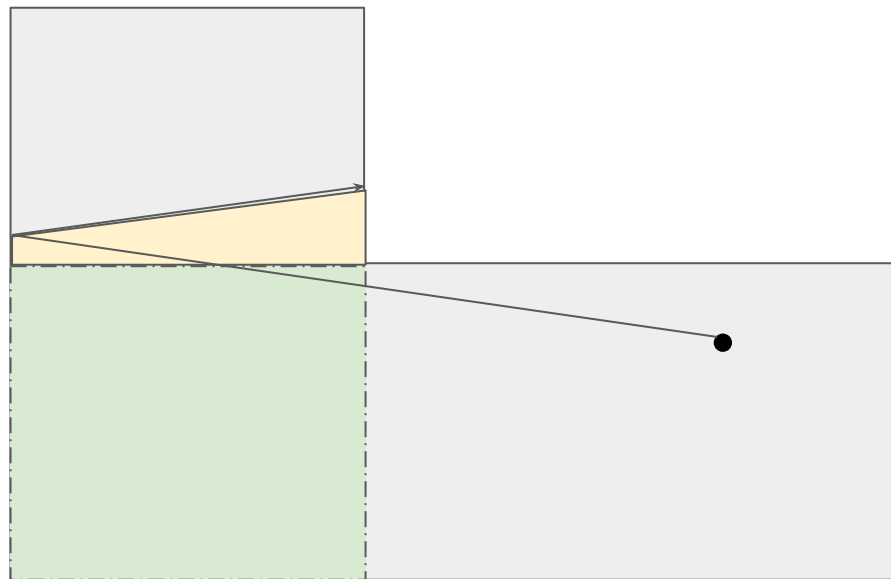
Any point in the lower right can see the joint and the lower right, but can it see the whole top left?



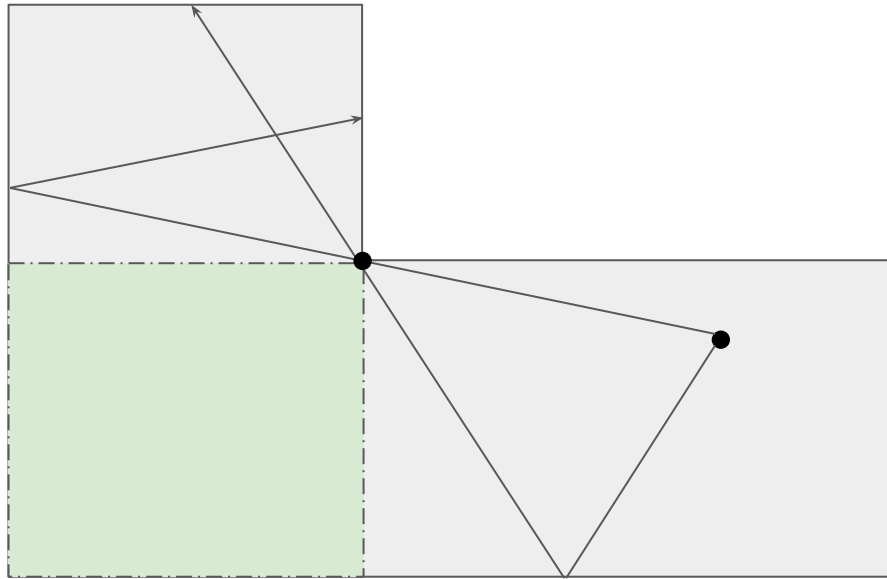
Bouncing off bottom wall sweeps area from left,



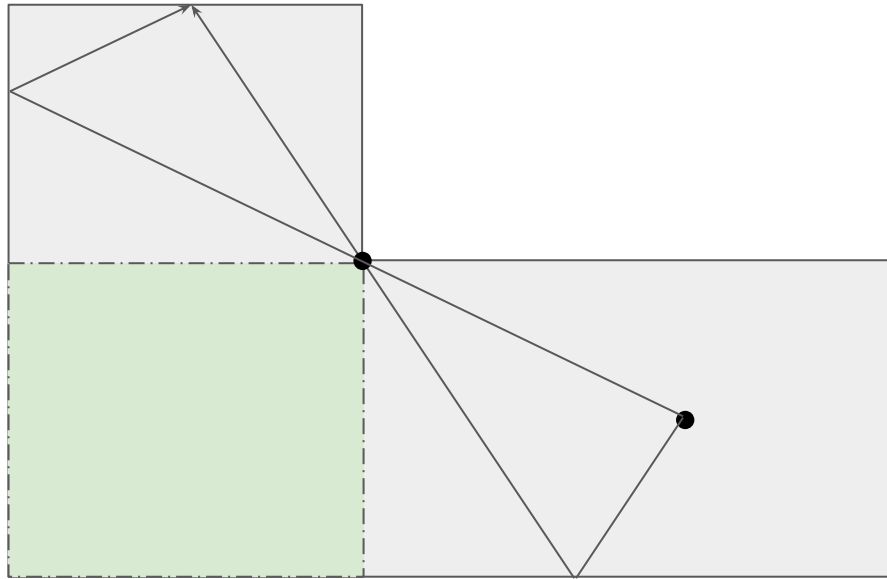
while bouncing off left wall sweeps from right



The sweeps are constrained by the inner corner



Feasible if sweeps overlap, so boundary if sweeps meet



Boundary is a parabolic arc

