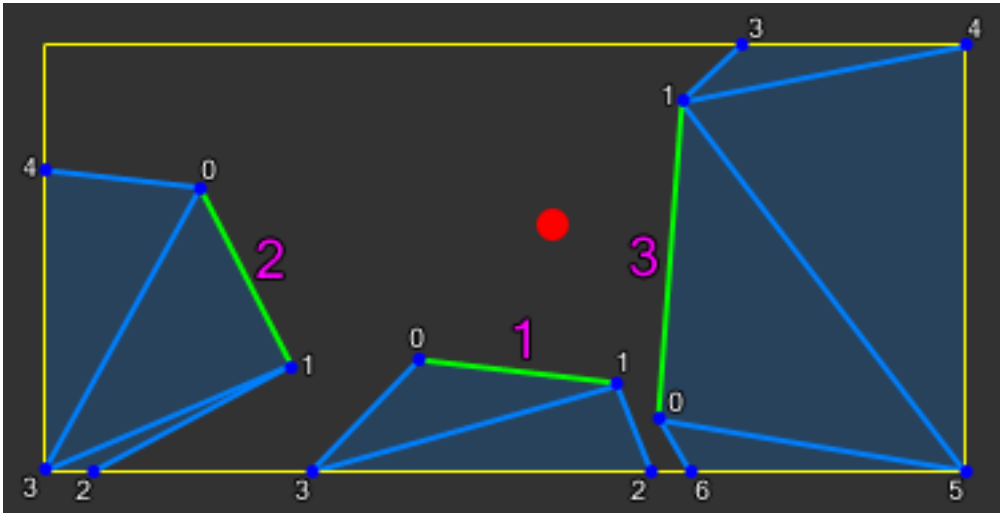
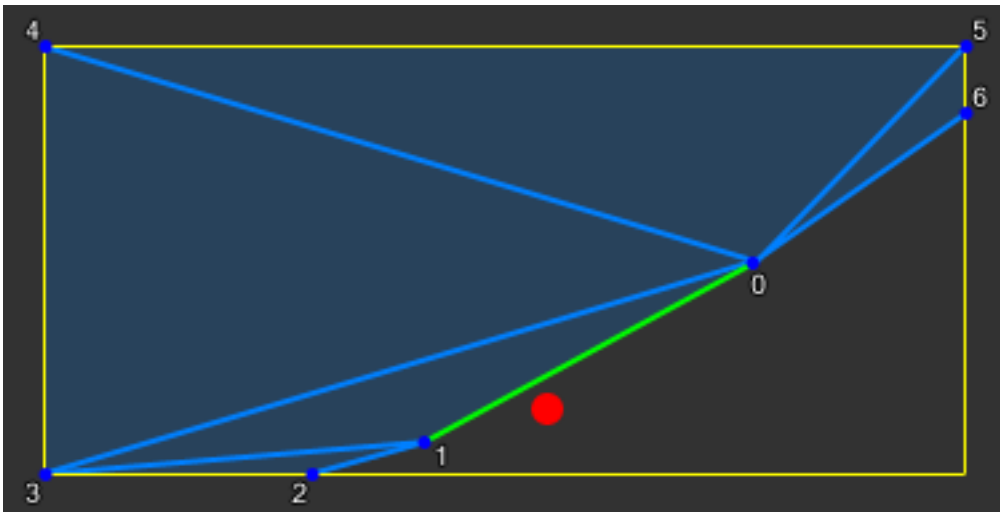


Shadow scenarios with limiting by rectangle.

Scenario when both line dots are inside Rectangle.

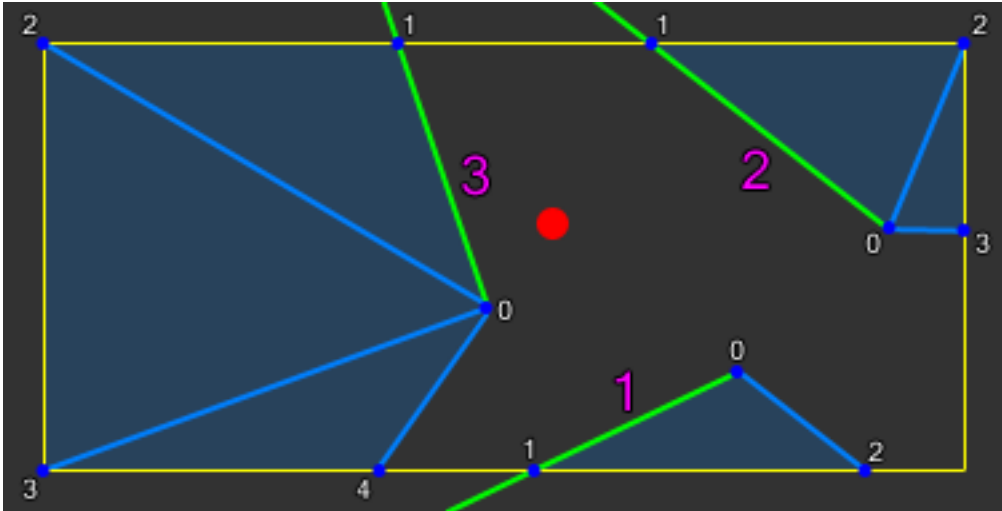


- **N1** - most common case, when shadow is dropped on one of the edges.
- **N2** - dropped on the two edges that shares same corner inside shadow volume.
- **N3** - dropped on two opposite edges of the rectangle.

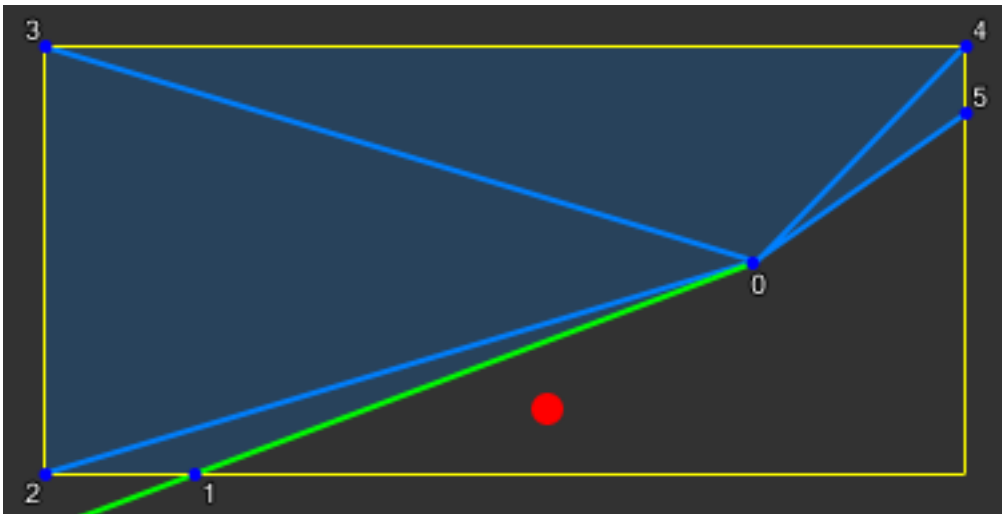


- **N4** - rare scenario, when shadow is dropped on two edges, that shares same corner, but it is not in shadow volume.

Scenario when one of the line dots is outside Rectangle.

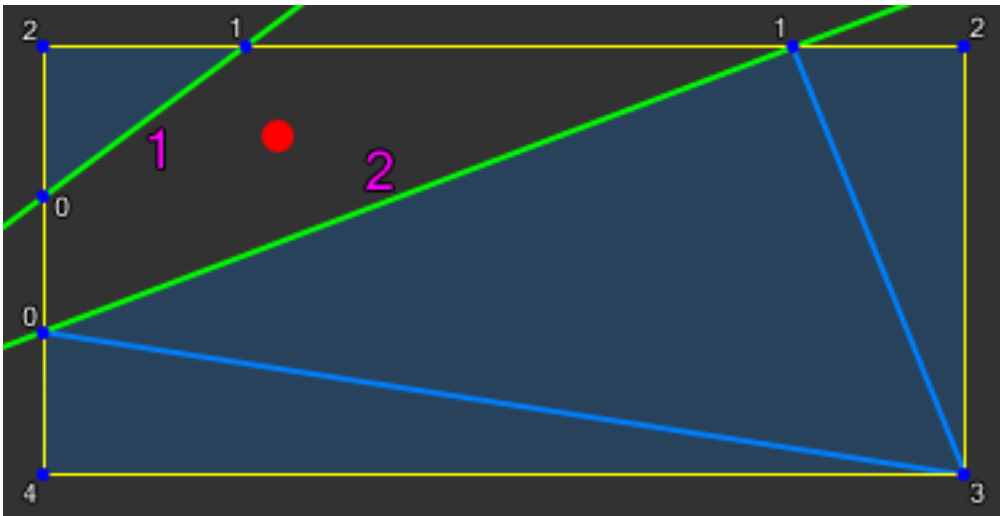


- **CS1** - dropped on edge that is crossed by shadow line.
- **CS2** - dropped on another edge that shares same corner with line that is crossed by shadow line, and that corner is inside shadow volume.
- **CS3** - dropped on opposite edge of edge that is crossed by shadow line.

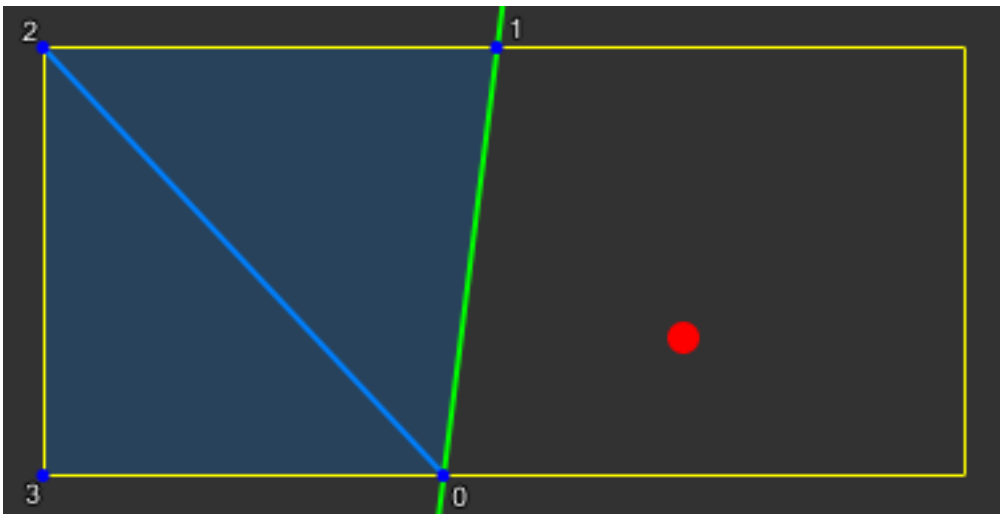


- **CS4** - dropped on another edge that shares same corner with line that is crossed by shadow line, but that corner is outside of shadow volume.

Scenario when both of the line dots is outside Rectangle but shadow line is crossing it.



- **CD1** - shadow line is crossing two edges that shares same corner, and that corner is inside shadow volume.
- **CD2** - shadow line is crossing two edges that shares same corner, but that corner is outside of shadow volume.



- **CD3** - shadow line is crossing two opposite Rectangle edges.