Converging Lens Ray Tracings
Do the ray tracings for all five possible object locations for a converging lens. Label each resulting image (if any) as upright/inverted, enlarged/diminished, real/virtual.

Principal rays: (1) parallel → through primary F
(2) through center of lens
(3) through secondary F → parallel

1. Far away

Object

Secondary F   Primary F

2. Just outside F

Secondary F   Primary F

3. On F

Secondary F   Primary F

4. Just inside F

Secondary F   Primary F

5. Near lens

Secondary F   Primary F

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