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कक्षा- 10

अध्याय – 9

प्रकाश : परावर्तन तथा अपवर्तन

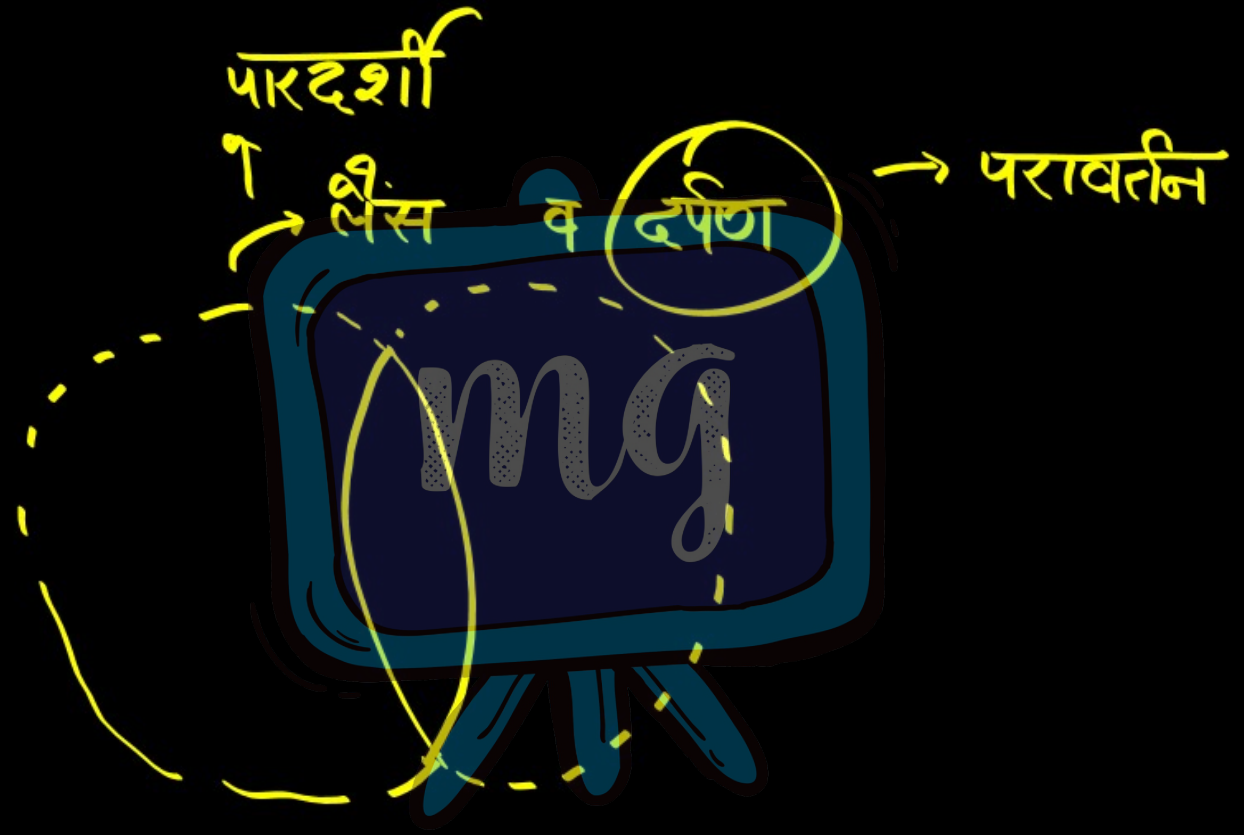
भाग – 5

लेंस

Rajika Agrawal

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दो वक्र गोलीय पृष्ठों से घिरे समांगी एवं पारदर्शी माध्यम को लैंस कहते हैं।



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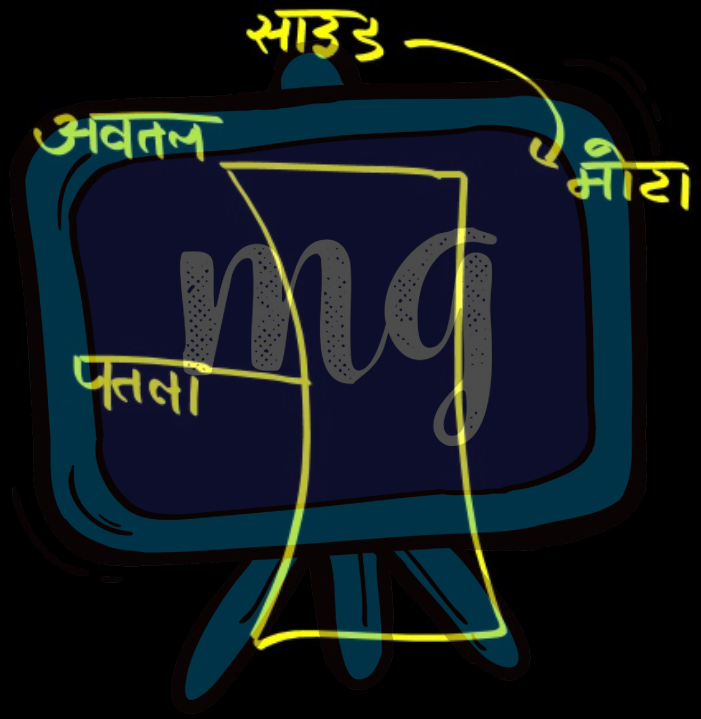
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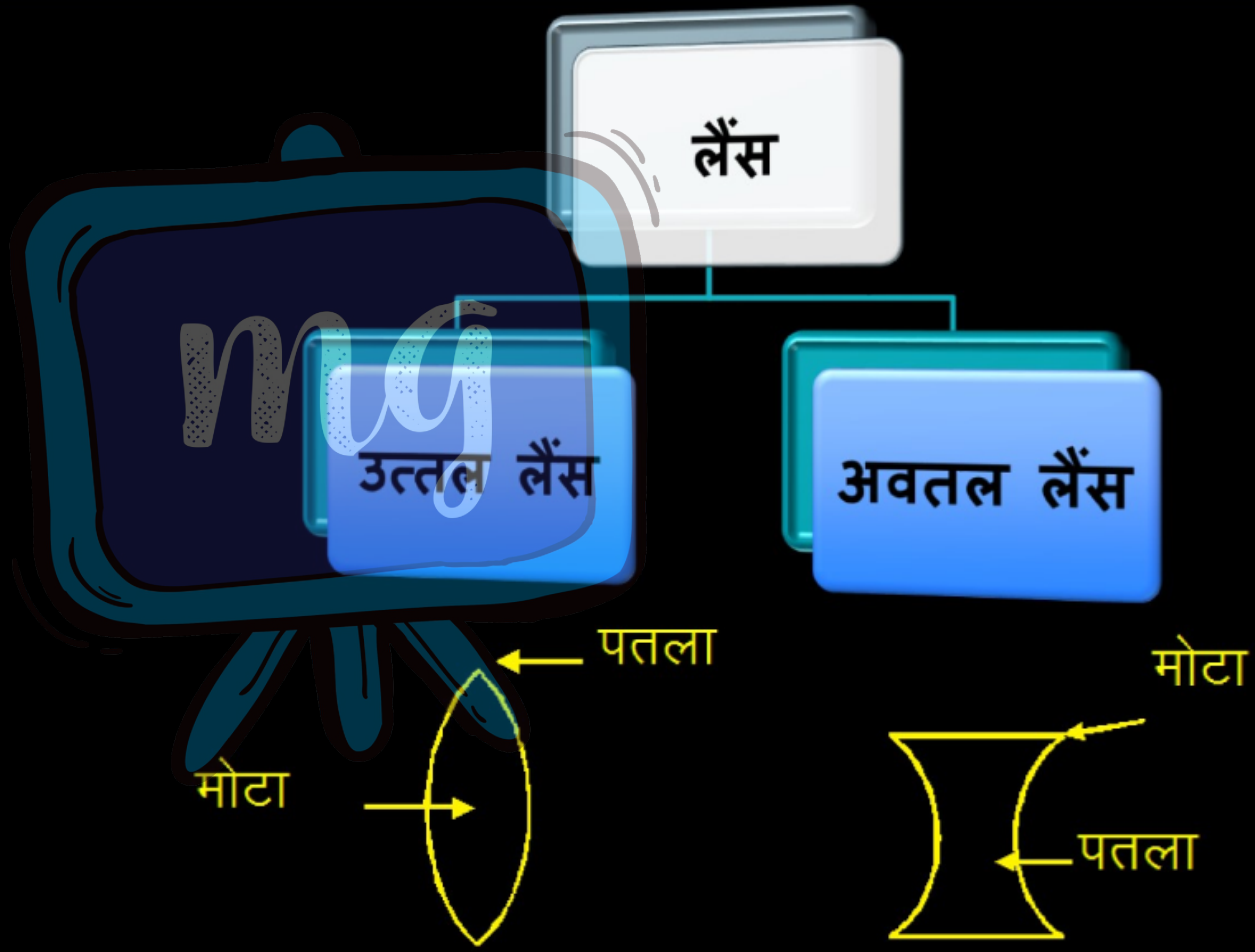
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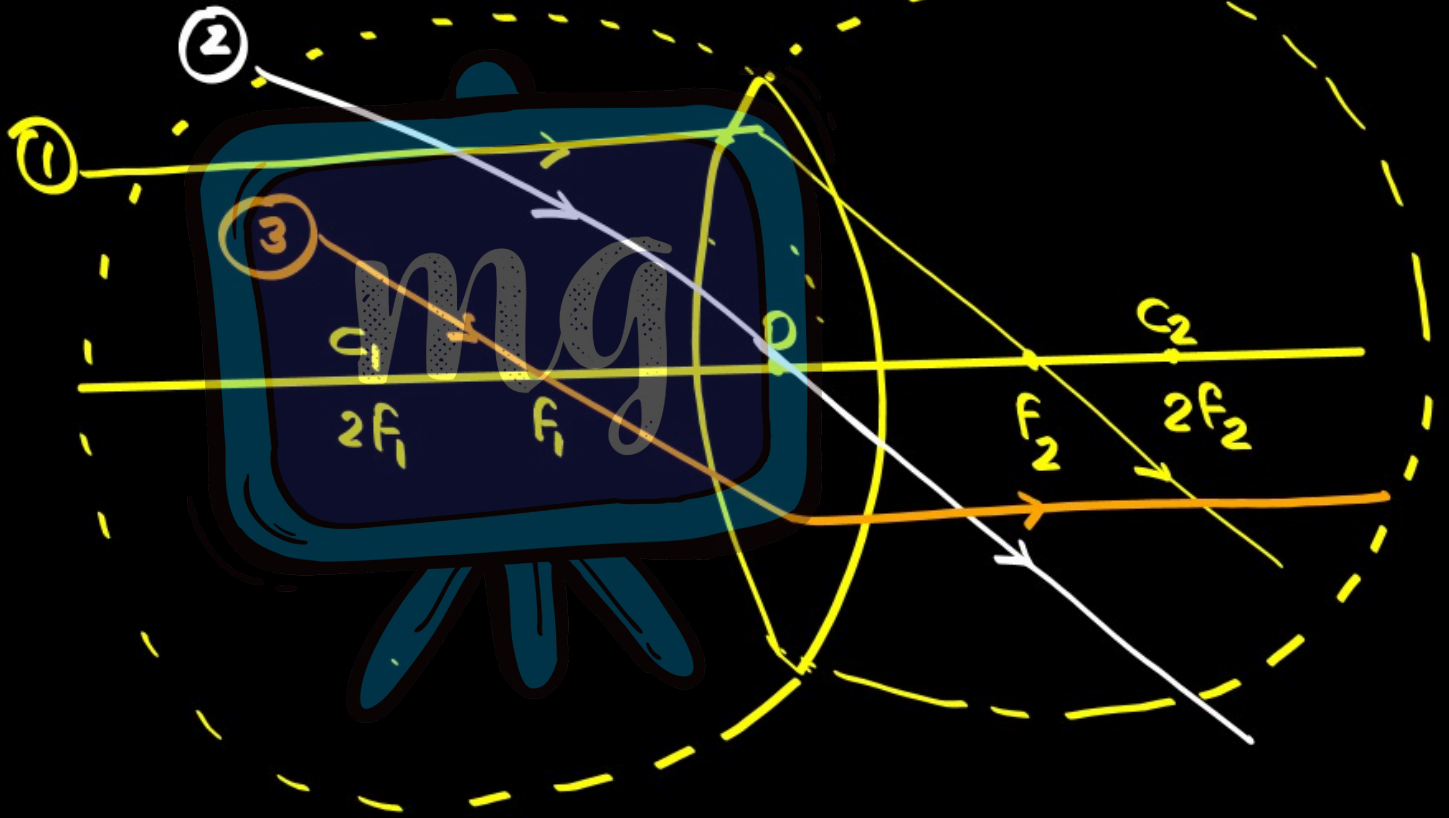
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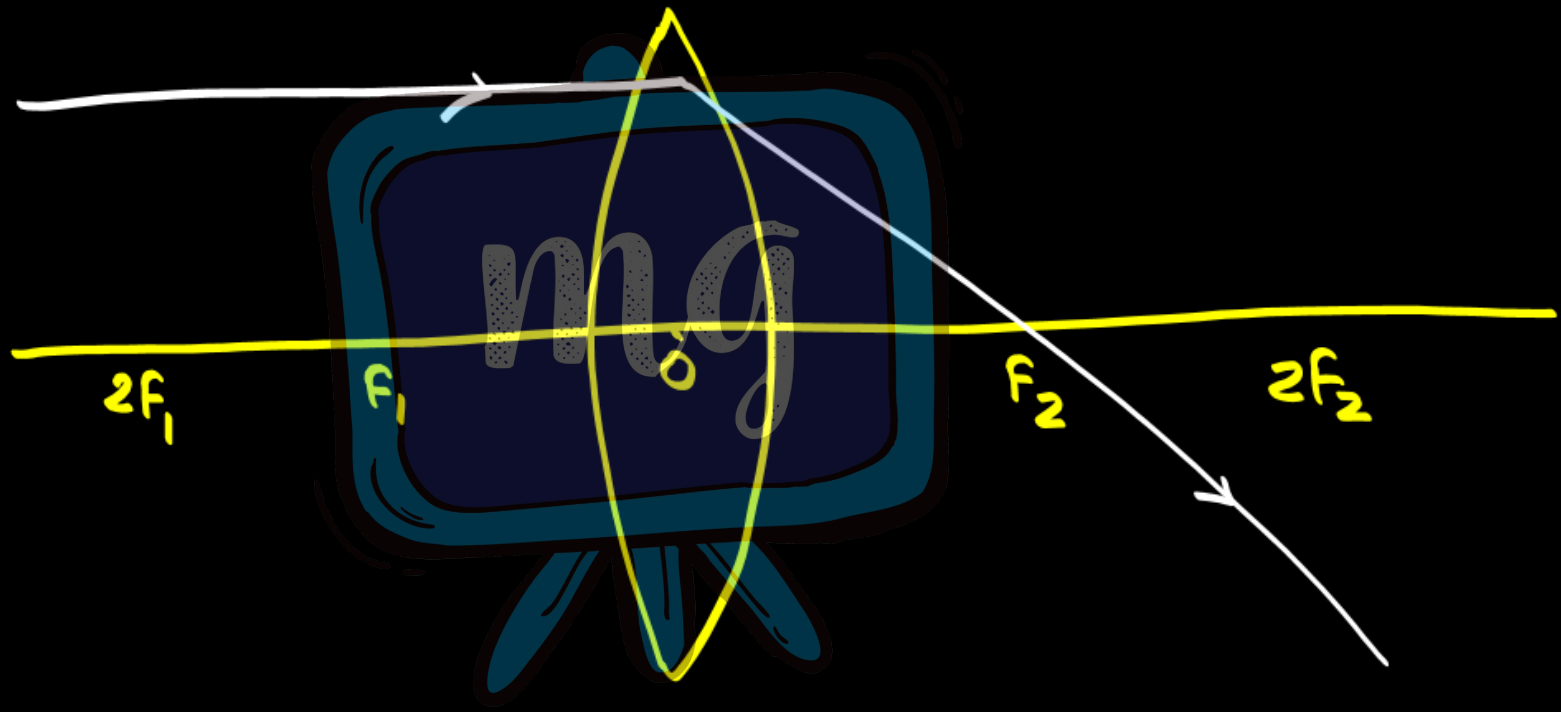
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लेंस से अपवर्तन के नियम



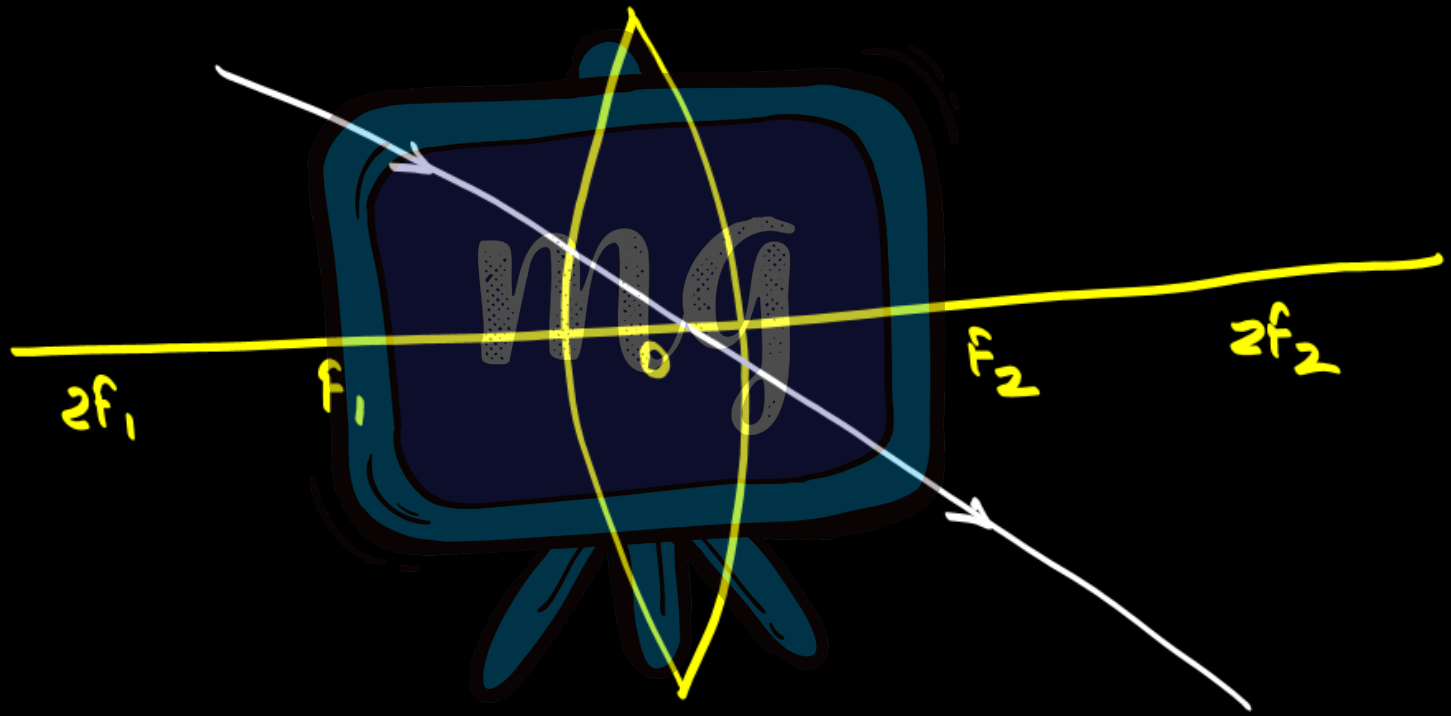
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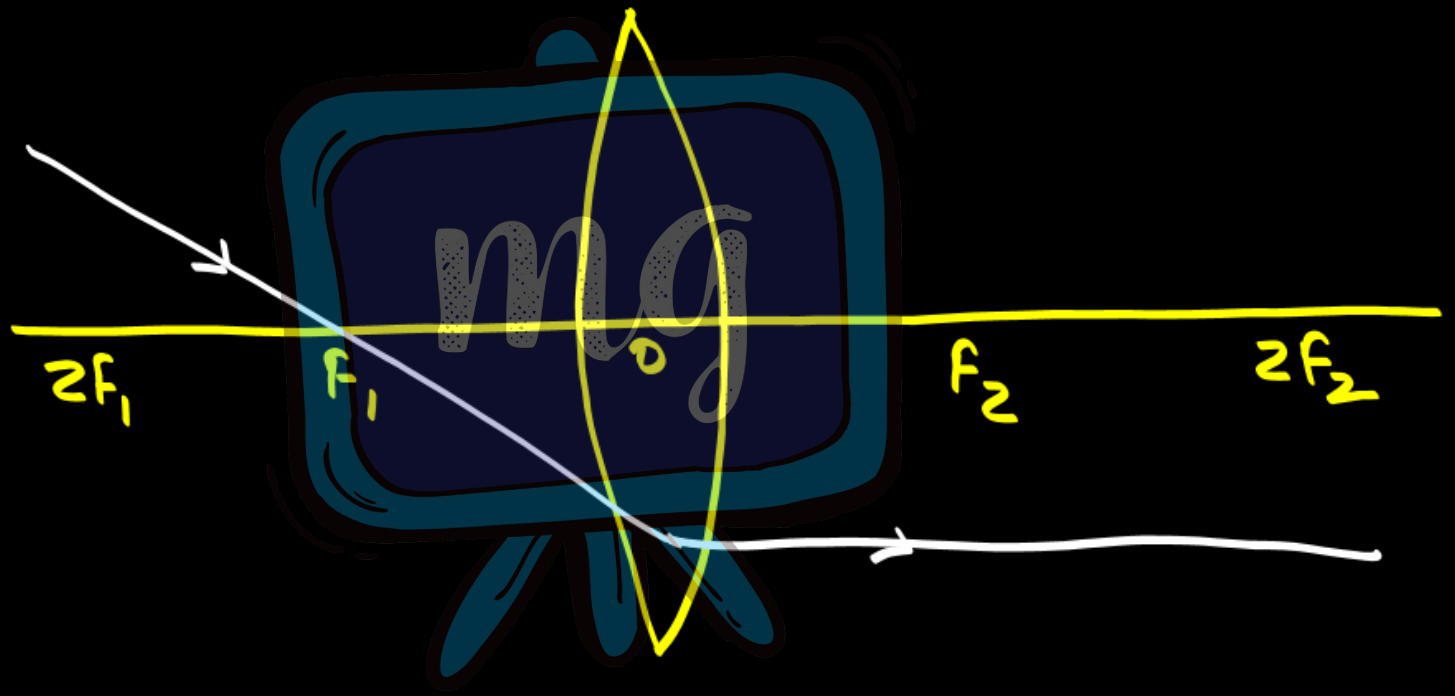
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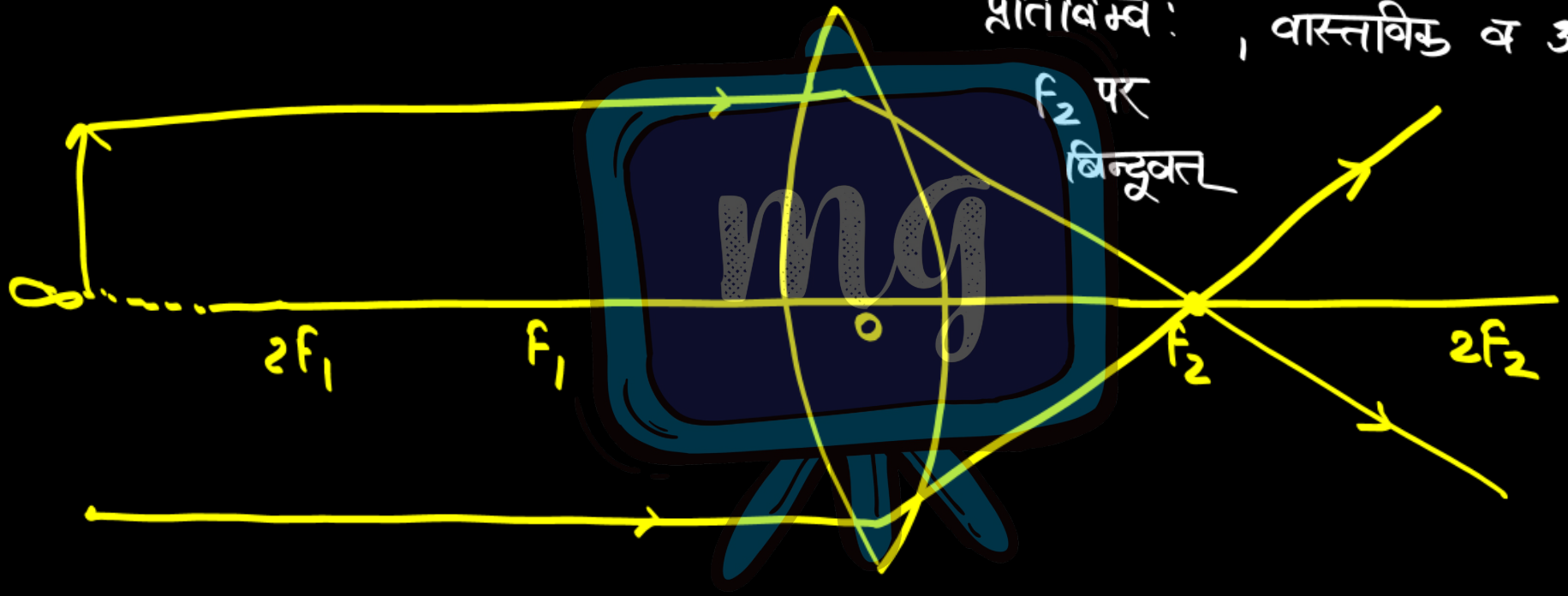
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① वस्तु अनन्त पर हो

प्रतिबिम्ब : , वास्तविक व उल्टा

F_2 पर

बिन्दुवत्



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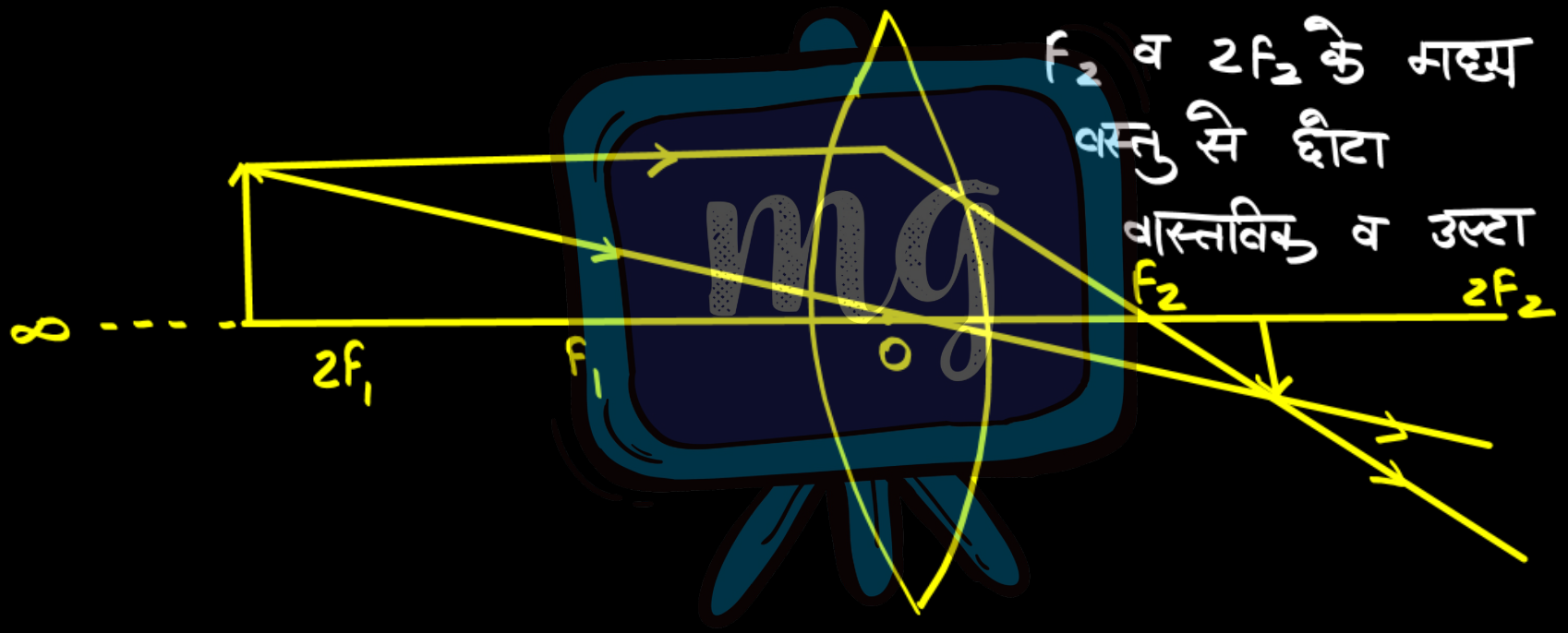
(2) वस्तु ∞ व $2F_1$ के मध्य

प्रतिबिम्ब :

F_2 व $2F_2$ के मध्य

वस्तु से छोटा

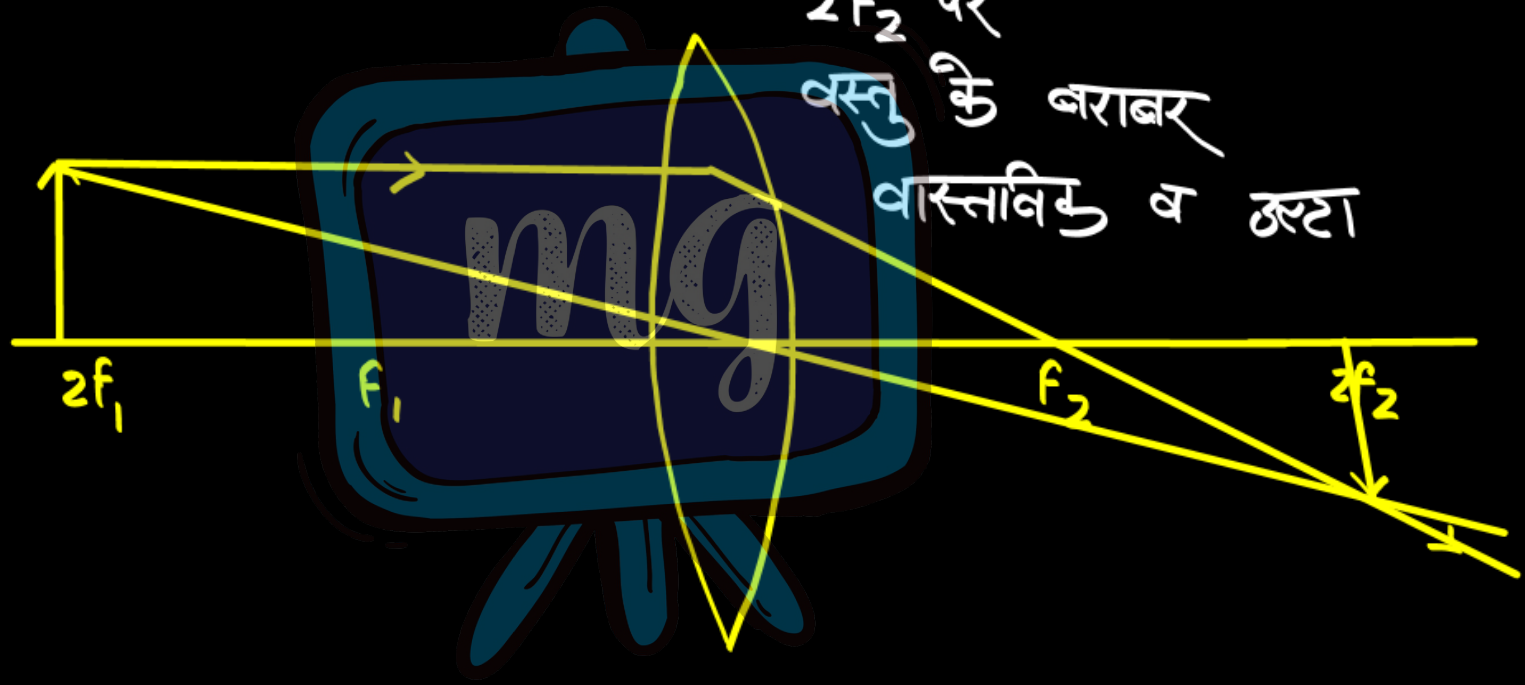
वास्तविक व उल्टा



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③ वस्तु : $2f_1$ पर : प्रतिबिम्ब :
$2f_2$ पर
वस्तु के बराबर
वास्तविक व उल्टा



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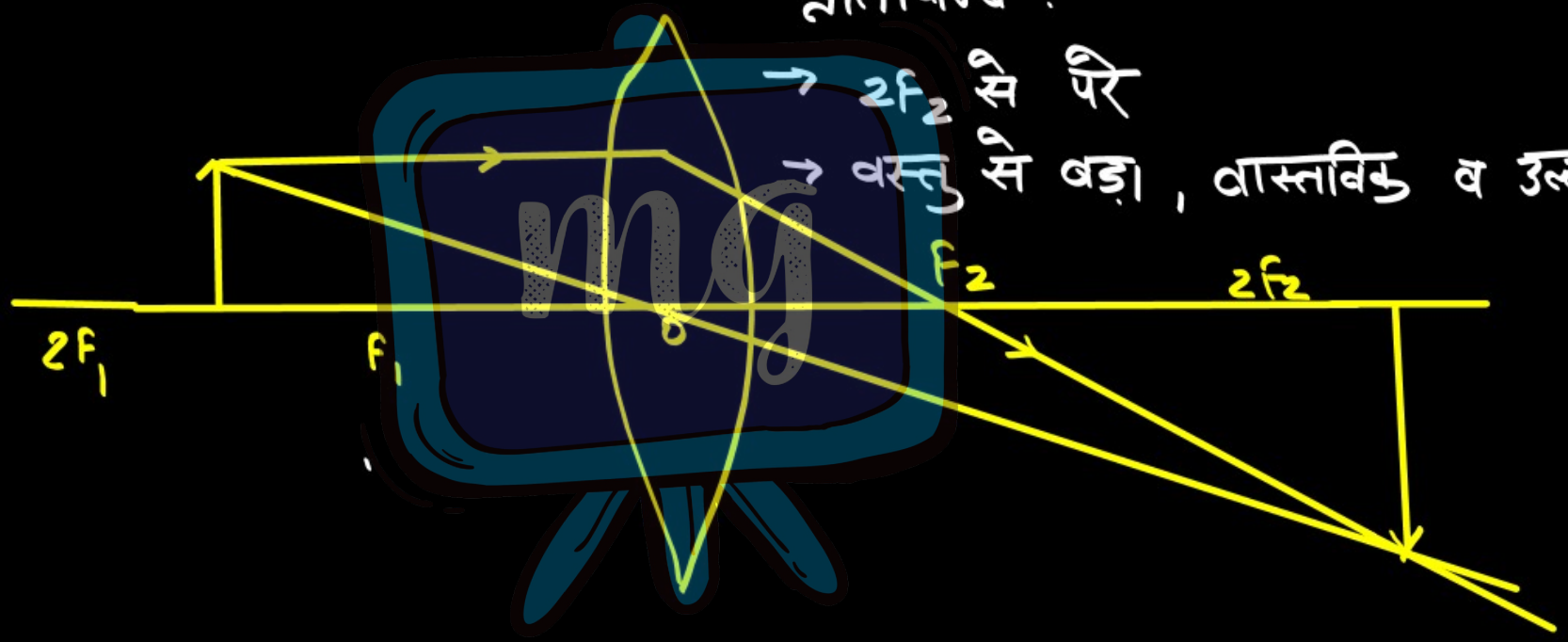
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(4) वस्तु : $2F_1$ व F_1 के मध्य

प्रतिबिम्ब :

→ $2F_2$ से परे

→ वस्तु से बड़ा, वास्तविक व उल्टा



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