

II ()

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1.

,
$$: \frac{x}{3} + \frac{x^2}{2} + \frac{x^3}{6} = \frac{2x + 3x^2 + x^3}{6} = \frac{x(x+1)(x+2)}{6}.$$

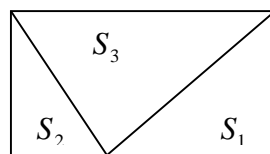
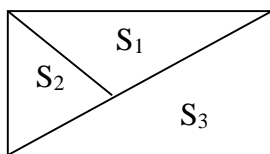
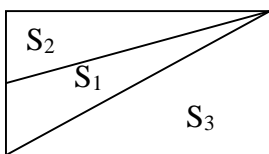
3, 2, - 3, 3

6, $\dots \frac{x}{3} + \frac{x^2}{2} + \frac{x^3}{6}$

x.

2.

:



$$: \begin{cases} S_1 + S_2 = S_3, \\ S_1 = \frac{S_2 + S_3}{2} \end{cases} \quad S_2 = x$$

$S_1 = S_3, \quad : S_1 = 2x, S_3 = 3x. \quad S_2 : S_1 : S_3 = 1 : 2 : 3.$

3.

v_1, l_1 - (/) () ; v_2, l_2

-

(/) () .

$v_2 = \frac{1}{2}v_1; \quad l_2 = \frac{1}{3}l_1.$,

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, $\frac{l_1}{v_1} = 5.$,

(,

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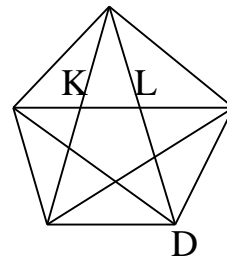
$$\frac{l_1 + l_2}{v_1 + v_2} = \frac{l_1 + \frac{1}{3}l_1}{v_1 + \frac{1}{2}v_1} = \frac{8l_1}{9v_1} = \frac{8 \cdot 5}{9} = \frac{40}{9} \quad ()$$

$$: \frac{40}{9}$$

4.

DL=CD. KEC DEC
 (CE -),
 , DL=CD=CK.

CK=CD.



5.

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 .
 ().

3 .

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3*6=18 .
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