

PART III

8 km

1 km

3 km/h  
4 km/h  
6 km/h

$s = vt$  (s: , v: , t: ) ;



2 / N  
4 km

$$s_0 = v_0 t_0$$

$$s_0 = 4 t_0$$

$s = v t$	$s = v t$
$s = 3 t$	$s = 6 t$

$$t = 2t + t + t$$

$$6 = 2t + t + t$$

$$s = s$$

$$6 = 2t + 2t + t$$

$$3 t = 6 t$$

$$3 t + 2t = 6$$

$$t = 2 t$$

$$t_k = \frac{6 - 2t_0}{3}$$

**V**

$$S = 2 s_0 + s + s$$

$$= 2 s_0 + 2s$$

$$= 2 \cdot 4 t_0 + 2 \cdot 6 t$$

$$= 8 t_0 + 12 t$$

$$= 8 t_0 + 12 \cdot \frac{6 - 2t_0}{3}$$

$$= 8 t_0 + 4(6 - 2t_0) = 8 t_0 + 24 - 8 t_0 = \mathbf{24km}$$

$\mu$                       **12km**

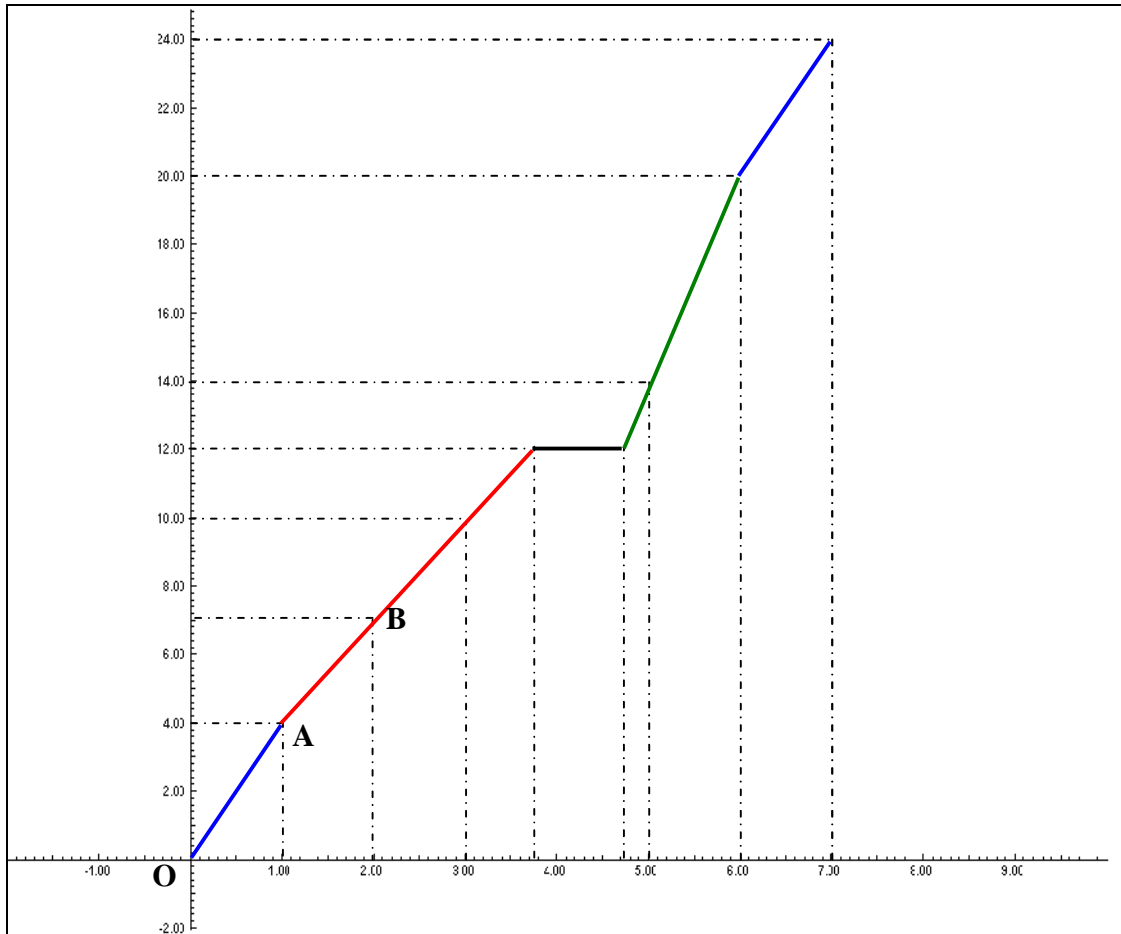
$s_0 = 4 t_0$
$s = 3 t$
$s = s$
$s = 6 t$
$t = 2t + t + t$
$S = 2 s_0 + s + s$

$s_0 = 4km$        $t_0 = 1h$

$t = \frac{4}{3}h = 1h \ 20min$  ,  $t = \frac{8}{3}h = 2h \ 40min$  ,  $s = s = 8km$

PART III

	<b>O</b>	<b>A</b>	<b>B</b>			<b>E</b>	<b>Z</b>	<b>H</b>	
<b>t</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>3h 40min</b>	<b>4h 40min</b>	<b>5</b>	<b>6</b>	<b>7</b>
<b>s</b>	<b>0</b>	<b>4</b>	<b>7</b>	<b>10</b>	<b>12</b>	<b>12</b>	<b>14</b>	<b>20</b>	<b>24</b>



$$E \quad \mu \quad \mu \quad s: \mapsto \quad \mu \quad \mu \quad = [0, 7]$$

$$\mu \quad \mu \quad R \quad = s(A) = [0, 24]$$

$$A \quad \mu \quad \mu \quad t$$

$$E \quad \mu \quad \mu \quad \mu \quad s$$

$$\mu \quad \mu \quad B$$

$$s(t) = \begin{cases} 4t & 0 \leq t \leq 1h \\ 3t + 1 & 1h < t < 3h 40min \\ 12 & 3h 40min \leq t \leq 4h 40min \\ 6t - 16 & 4h 40min < t < 6h \\ 4t - 4 & 6h \leq t \leq 7 \end{cases}$$