

PRŮM. RYCH. & BAKOUNI

B:

| | |
|----|----|
| T1 | T2 |
| 1b | 4b |
| 5 | 1 |

• $\frac{5+1}{2} = 3$ AP

• $\frac{5+1+1+1+1}{5} = \frac{9}{5} = 1,8 = \underline{\underline{2}}$

• VÁŽENÝ PRŮMĚR

$$\frac{\textcircled{5} \cdot \boxed{1} + \textcircled{1} \cdot \boxed{4}}{1+4} = \frac{z_1 \cdot 1}{1+4} + \frac{z_2 \cdot 4}{1+4} = \frac{1}{1+4} \cdot \underline{\underline{z_1}} + \frac{4}{1+4} \cdot \underline{\underline{z_2}}$$

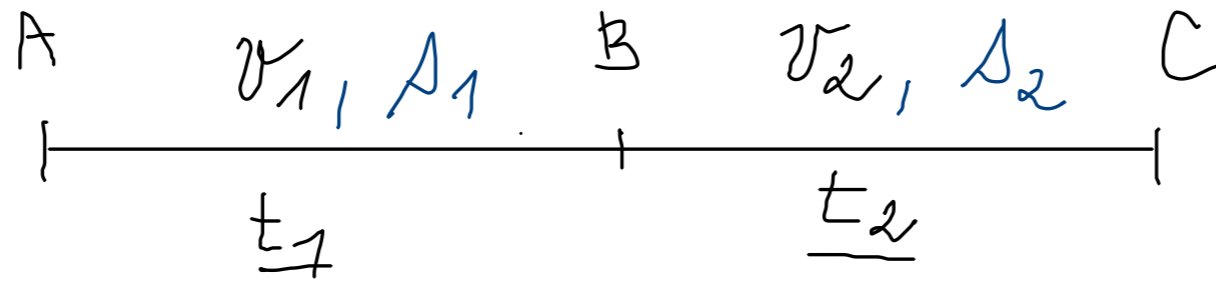
$\frac{1}{5} \rightarrow 20\%$ $\frac{4}{5} \rightarrow 80\%$

$z_1 \dots N_1$
 $z_2 \dots N_2$

$$z = \frac{N_1}{N_1 + N_2} \cdot z_1 + \frac{N_2}{N_1 + N_2} \cdot z_2$$

$$\frac{1}{5} \cdot 5 + \frac{4}{5} \cdot 1 = 1 + 0,8 = 1,8$$

Φ_f

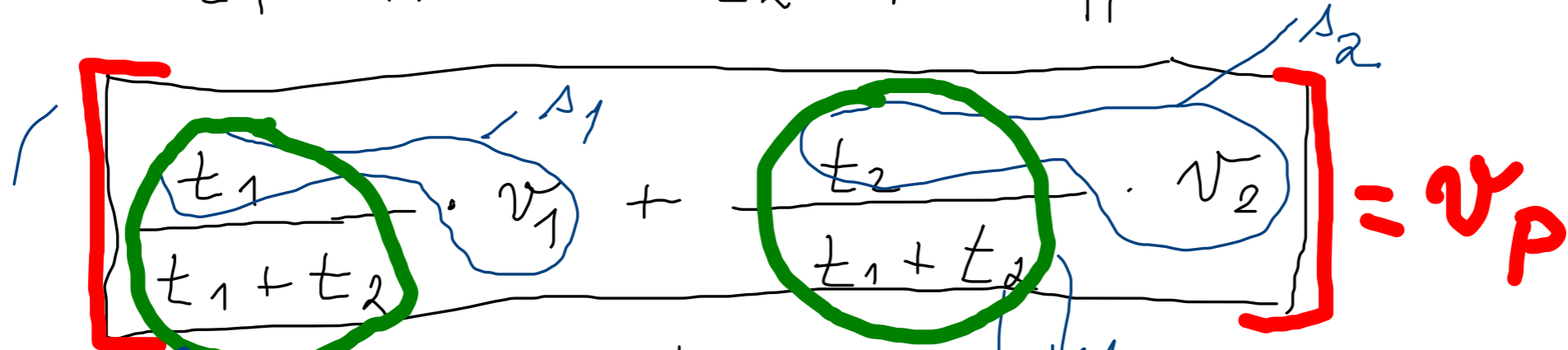


? v_p

$v_1 = 5 \text{ m/s}$
 $t_1 = 1 \text{ s}$

$v_2 = 1 \text{ m/s}$
 $t_2 = 4 \text{ s}$

~~$v_p = \frac{v_1 + v_2}{2} = \frac{5 + 1}{2} = 3 \text{ m/s}$~~



$\frac{t_1}{t_1 + t_2} \cdot v_1 + \frac{t_2}{t_1 + t_2} \cdot v_2 = 1.8 \text{ m/s}$

$\frac{1}{5} \cdot v_1 + \frac{4}{5} \cdot v_2 = 1.8 \text{ m/s}$

$0.2 \cdot v_1 + 0.8 \cdot v_2 = 1.8 \text{ m/s}$

$20\% \quad 80\%$

ALES

$A_1 = v_1 t_1$
 $A_2 = v_2 t_2$

$v_p = \frac{A_1}{t_1 + t_2} + \frac{A_2}{t_1 + t_2} = \frac{A_1 + A_2}{t_1 + t_2}$

CD
CC'

$t_1 = t_2$

~~$v_p = \frac{v_1 + v_2}{2}$~~

$v_p = \frac{1}{2} v_1 + \frac{1}{2} v_2 = \frac{v_1 + v_2}{2}$

