

S 90 Nr. 6 $P(t)$ = Wartende Personen ; t = min vor Spielbeginn

$$\underline{P(90)} = \left(100 \frac{P}{\text{min}} \cdot 40 \text{min} \right) \cdot \frac{1}{2} = \underline{2000 \text{ Personen warten}}$$

$$P(70) = P(90) + \left(150 \frac{P}{\text{min}} \cdot 20 \text{min} \right) - \left(200 \frac{P}{\text{min}} \cdot 20 \text{min} \right) =$$

$$\underline{P(70)} = 2000 P + 3000 P - 4000 P = \underline{1000 P \text{ warten}}$$

$$\underline{P(60)} = P(70) + 225 \frac{P}{\text{min}} \cdot 10 \text{min} - 200 \frac{P}{\text{min}} \cdot 10 \text{min} =$$

$$\underline{P(60)} = 1000 P + 2250 P - 2000 P = \underline{1250 P \text{ warten}}$$

$$\underline{P(40)} = P(60) + 250 \frac{P}{\text{min}} \cdot 20 \text{min} - 200 \frac{P}{\text{min}} \cdot 20 \text{min} =$$

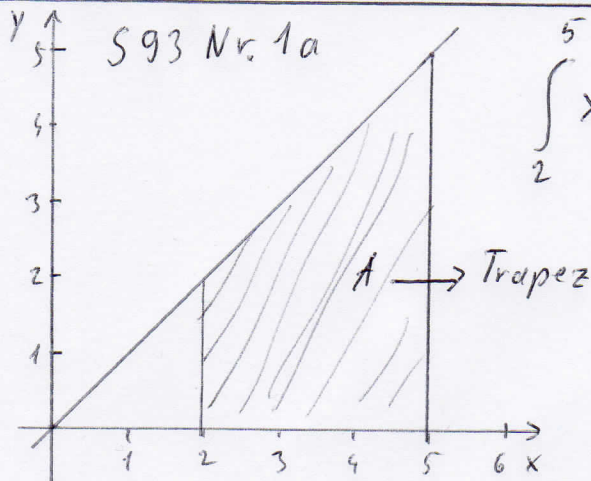
$$\underline{P(40)} = 1250 P + 5000 P - 4000 P = \underline{2250 P \text{ warten}}$$

$$\underline{P(30)} = P(40) + 225 \frac{P}{\text{min}} \cdot 10 \text{min} - 200 \frac{P}{\text{min}} \cdot 10 \text{min} =$$

$$= 2250 P + 2250 P - 2000 P = \underline{2500 P \text{ warten}}$$

$$\underline{P(0)} = P(30) + 125 \frac{P}{\text{min}} \cdot 30 \text{min} - 200 \frac{P}{\text{min}} \cdot 30 \text{min} =$$

$$\underline{P(0)} = 2500 P + 3750 P - 6000 P = \underline{250 P \text{ warten}}$$



$$\int_2^5 x dx = 3 \cdot \frac{2+5}{2} = 3 \cdot 3,5 = 10,5$$

A Trapez