ZAD.2	ZESTAW B	ŁUK A SZ BADANIA	CPERACY	Dt.O-gd29623 INE(WYKtADY)-1N153
3 3 14 9 4 17 16 18 25 6 6 20 36	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	(7; -yi) ² (yi -	(yi-y) 64 9 4 1 4 16 36 134	3-7
140a+28b= 28a+7b=	508 112			
$W = \begin{vmatrix} 140 & 28 \\ 28 & 7 \end{vmatrix} = 10$	40.7-28.28=980=5	784=196 3136=420		
$V_{a} = \begin{vmatrix} 508 & 28 \\ 112 & 7 \end{vmatrix} = 50$	18.7-112.28=3556-	15680-14	-224=145	56
$W_{6} = \begin{vmatrix} 140 & 508 \\ 28 & 112 \end{vmatrix} = 1$	40.112-28.508=1	1100		
$01 = \frac{W_{\alpha}}{W} = \frac{420}{196} = \frac{2}{3}$	$\frac{10}{38} = \frac{105}{43} = \frac{15}{7} \approx 2$	1420		
b= W6 = 1456=	$\frac{728}{38} = \frac{364}{43} = \frac{52}{7} \approx 7$	1200		
$\hat{y} = \alpha x + 6$ $\hat{y} = 15$ $\hat{y} = 52$				
$\hat{Y} = \frac{15}{7} \times + \frac{52}{7}$ $\hat{V} \approx 2,1429 \times +$	74286			
V= L,142JX	111200			

ZAD. 2 /col/ ZESTAW B

EUKASZ TWORZYDŁO-9d29623 BADANIA OPERACYJNE (WYKŁADY)-INIS3

$$\hat{y} = \frac{45}{7} \times + \frac{52}{7}$$

$$\hat{y} \approx 2,1429 \times + 7,4286$$

$$\hat{y}(1) = \frac{45}{7} \cdot 1 + \frac{52}{7} = \frac{67}{7} \approx 9,5714$$

$$\hat{y}(2) = \frac{45}{7} \cdot 2 + \frac{52}{7} = \frac{30}{7} + \frac{52}{7} = \frac{32}{7} \approx 11,7143$$

$$\hat{y}(3) = \frac{15}{7} \cdot 3 + \frac{52}{7} = \frac{45}{7} + \frac{52}{7} = \frac{97}{7} \approx 13,8571$$

$$\hat{y}(4) = \frac{15}{7} \cdot 4 + \frac{52}{7} = \frac{60}{7} + \frac{52}{7} = \frac{112}{7} \approx 16 = 16,0000$$

$$\hat{y}(5) = \frac{15}{7} \cdot 6 + \frac{52}{7} = \frac{75}{7} + \frac{92}{7} = \frac{142}{7} \approx 20,2857$$

$$\hat{y}(6) = \frac{15}{7} \cdot 6 + \frac{52}{7} = \frac{20}{7} + \frac{52}{7} = \frac{142}{7} \approx 22,4286$$

y=1/2 yi 7=1-112=112=16 1 = 16 1 $\hat{y}(x) = \hat{y}_{i}$ $\hat{y}_{i} - y_{i} = \hat{y}_{i}$

Ŷィーソィー等-8=等-等=学21,57 $\hat{y}_2 - \hat{y}_2 = \frac{82}{7} - 13 = \frac{27}{7} - \frac{37}{7} = \frac{37}{7} \frac{37}{7}$ $\frac{14}{4}$ $\frac{7}{4}$ $\frac{7$ Ý1-Y1=0,

 $(\hat{y}_{5} - y_{5})^{2} \approx 0,0204$ $(\mathring{y}_6 - y_6)^2 \approx 0.0816$ (ŷ7-47)2≈0,1837 $(\dot{y}_i - \dot{y}_i)^2 \approx 5,4286$

TWORZYDŁO-gd29623 ZESTAW ZAD, 2/cd/ OPER ACYJNE (WYLLADY)-INIS) BADANIA $(y_i - \bar{y})^2 = i$ $R^{2} = 1 - \frac{\sum_{i=1}^{\infty} (\hat{y}_{i} - y_{i})^{2}}{\sum_{i=1}^{\infty} (y_{i} - \bar{y})^{2}} / 0 \le R^{2} \le 1$ y=16 $(y_1 - \overline{y})^2 = (8 - 16)^2 = (-8)^2 = 64$ $(y_2 - \overline{y})^2 = (13 - 16)^2 = (-3)^2 = 9$ $R^2 = 1 - \frac{5,4286}{134}$ $(y_3 - \bar{y})^2 = (14 - 16)^2 = (-2)^2 = 4$ $(y_4 - \overline{y})^2 = (17 - 16)^2 = (1)^2 = 1$ $(y_5 - \overline{y})^2 = (18 - 16)^2 = (2)^2 = 4$ $(\dot{y}_6 - \dot{y})^2 = (20 - 16)^2 = (4)^2 = 16$ $(y_7 - \bar{y})^2 = (22 - 16)^2 = (6)^2 = 36$ $R^2 \approx 1 - 0,0405$ R2 ~ 0,9595 (yi-y)2=134, $R^{2}=2,1429x+7,4286$ $R^{2}=0,9595$ 20 15 10 5 2 3 9 $(\hat{y}_i - y_i)^2 = 5,4286$ b= == 7,4286 , y≈ 2,1429x+7,4286, (yi-y)=134 R2=0,95951