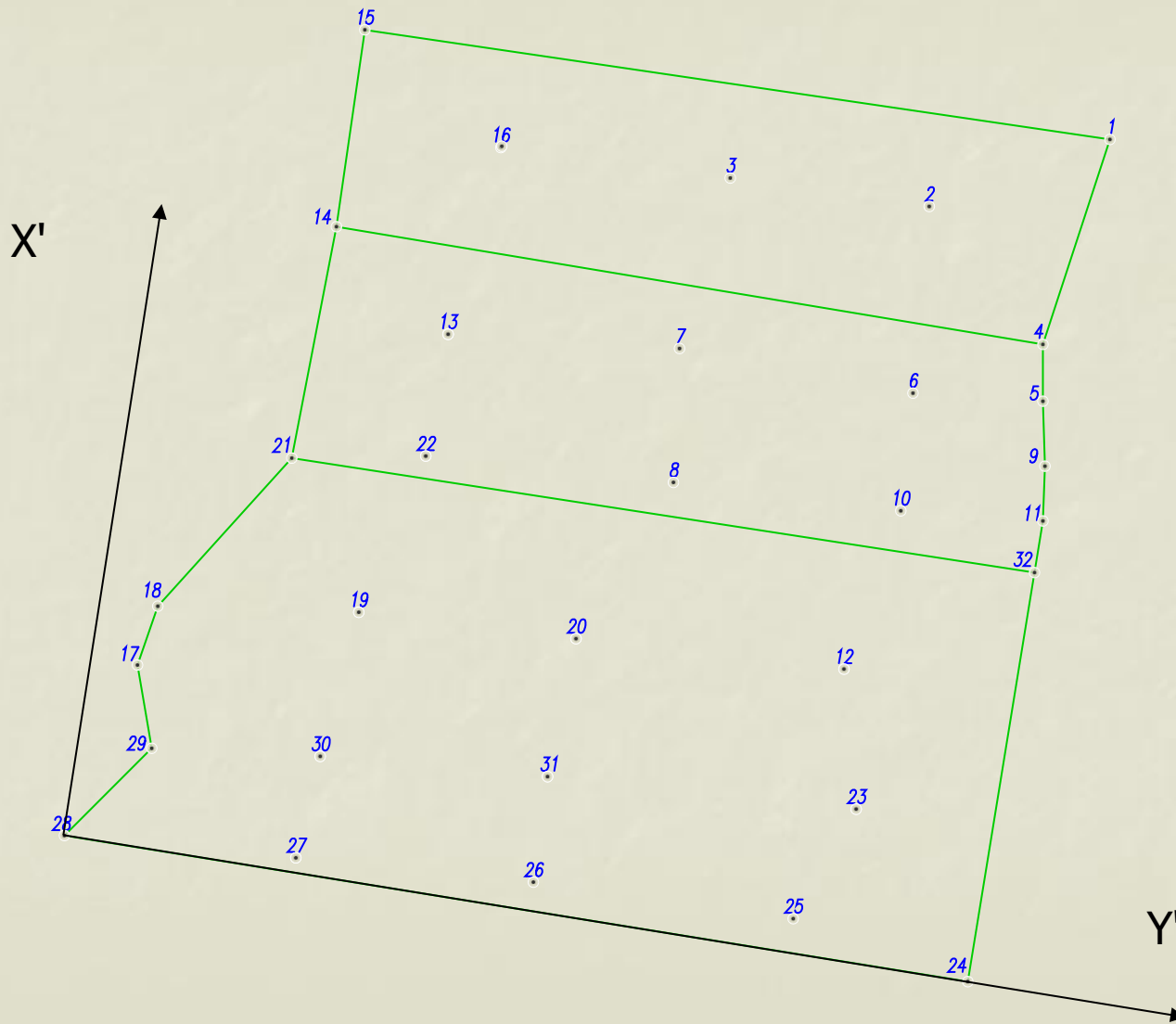


Transformacija koordinata



T	$Y_{(DKS)}$	$X_{(DKS)}$	$Y'_{(LKS)}$	$X'_{(LKS)}$
28	Y_{28}	X_{28}	0	0
24	Y_{24}	X_{24}	D_{28-24}	0

Trigonometrijski obrazac 24s

T	Y	X	DY'	DX'	Y'	X'	T	front
28	Y_{28}	X_{28}			0.00	0.00	28	
29	Y_{29}	X_{29}					29	
17	Y_{17}	X_{17}					17	
18							18	
24							24	
32							32	
24	Y_{24}	X_{24}			D_{28-24}	0.00	24	

Računanje koordinatnih razlika između susednih tačaka

T	Y	X	DY'	DX'	Y'	X'	T	front
28	Y_{28}	X_{28}			0.00	0.00	28	
	$Y_{29}-Y_{28}$	$X_{29}-X_{28}$						
29	Y_{29}	X_{29}					29	
	$Y_{17}-Y_{29}$	$X_{17}-X_{29}$						
17	Y_{17}	X_{17}					17	
	$Y_{18}-Y_{17}$	$X_{18}-X_{17}$						
18							18	
24							24	
32							32	
24	Y_{24}	X_{24}			D_{28-24}	0.00	24	

Kontrola računanja koordinatnih razlika

$$\sum \Delta y = Y_z - Y_p = Y_{24} - Y_{28} \quad \sum \Delta x = X_z - X_p = X_{24} - X_{28}$$

Računanje koeficijenata za transformaciju

$$D_{28-24} = \sqrt{(Y_{24} - Y_{28})^2 + (X_{24} - X_{28})^2}$$

$$o = \frac{(Y_z - Y_p)}{D} = \frac{(Y_{24} - Y_{28})}{D_{28-24}}$$

$$a = \frac{X_z - X_p}{D}$$

Računanje koordinatnih razlika u lokalnom koordinatnom sistemu

$$\Delta y' = o * \Delta y + a * \Delta x$$

$$\Delta x' = o * \Delta x - a * \Delta y$$

Kontrola računanja koordinatnih razlika u lokalnom koordinatnom sistemu

$$\sum \Delta y' = D$$

$$\sum \Delta x' = 0$$

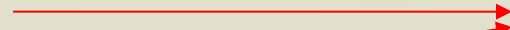
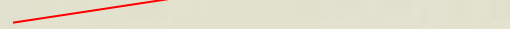
Računanje koordinatnih razlika u lokalnom koordinatnom sistemu

$$o = \rightarrow \Delta y' = o * \Delta y + a * \Delta x$$

a =

T	Y	X	DY'	DX'	Y'	X'	T	front
28	Y ₂₈	X ₂₈			0.00	0.00	28	
	Y ₂₉ -Y ₂₈	X ₂₉ -X ₂₈	Δy'					
29	Y ₂₉	X ₂₉					29	
	Y ₁₇ -Y ₂₉	X ₁₇ -X ₂₉						
17	Y ₁₇	X ₁₇					17	
	Y ₁₈ -Y ₁₇	X ₁₈ -X ₁₇						
18							18	
24							24	
32							32	
24	Y ₂₄	X ₂₄			D ₂₈₋₂₄	0.00	24	

Računanje koordinatnih razlika u lokalnom koordinatnom sistemu

$o =$  $\Delta x' = o * \Delta x - a * \Delta y$
 $a =$ 

T	Y	X	DY'	DX'	Y'	X'	T	front
28	Y ₂₈	X ₂₈			0.00	0.00	28	
	Y ₂₉ -Y ₂₈	X ₂₉ -X ₂₈	Δy'	Δx'				
29	Y ₂₉	X ₂₉					29	
	Y ₁₇ -Y ₂₉	X ₁₇ -X ₂₉						
17	Y ₁₇	X ₁₇					17	
	Y ₁₈ -Y ₁₇	X ₁₈ -X ₁₇						
18							18	
24							24	
32							32	
24	Y ₂₄	X ₂₄			D ₂₈₋₂₄	0.00	24	

Σ=

Σ=

Računanje koordinata u lokalnom koordinatnom sistemu

T	Y	X	DY'	DX'	Y'	X'	T	front
28	Y_{28}	X_{28}		+	0.00	0.00	28	
	$Y_{29}-Y_{28}$	$X_{29}-X_{28}$	$\Delta y'$	=				
29	Y_{29}	X_{29}			Y'_{29}		29	
	$Y_{17}-Y_{29}$	$X_{17}-X_{29}$						
17	Y_{17}	X_{17}					17	
	$Y_{18}-Y_{17}$	$X_{18}-X_{17}$						
18							18	
24							24	
32							32	
24	Y_{24}	X_{24}	$\Sigma =$	$\Sigma =$	D_{28-24}	0.00	24	

Računanje koordinata u lokalnom koordinatnom sistemu

T	Y	X	DY'	DX'	Y'	X'	T	front
28	Y_{28}	X_{28}			+ 0.00	0.00	28	
	$Y_{29}-Y_{28}$	$X_{29}-X_{28}$		ΔX				
29	Y_{29}	X_{29}			=	X'_{29}	29	
	$Y_{17}-Y_{29}$	$X_{17}-X_{29}$						
17	Y_{17}	X_{17}					17	
	$Y_{18}-Y_{17}$	$X_{18}-X_{17}$						
18							18	
24							24	
32							32	
24	Y_{24}	X_{24}	$\Sigma =$	$\Sigma =$	D_{28-24}	0.00	24	

Kontrola računanja

??? (zaključite sami 😊)

Računanje frontova

$$S = \sqrt{(\Delta y)^2 + (\Delta x)^2}$$

$$S = \sqrt{(\Delta y')^2 + (\Delta x')^2}$$