

# Tělesa

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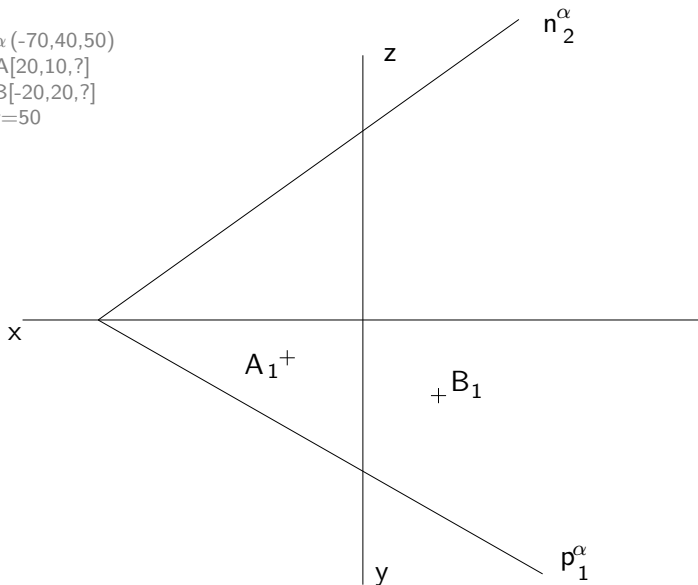
# Mongeovo promítání - jehlan

$\alpha(-70, 40, 50)$

$A[20, 10, ?]$

$B[-20, 20, ?]$

$v=50$



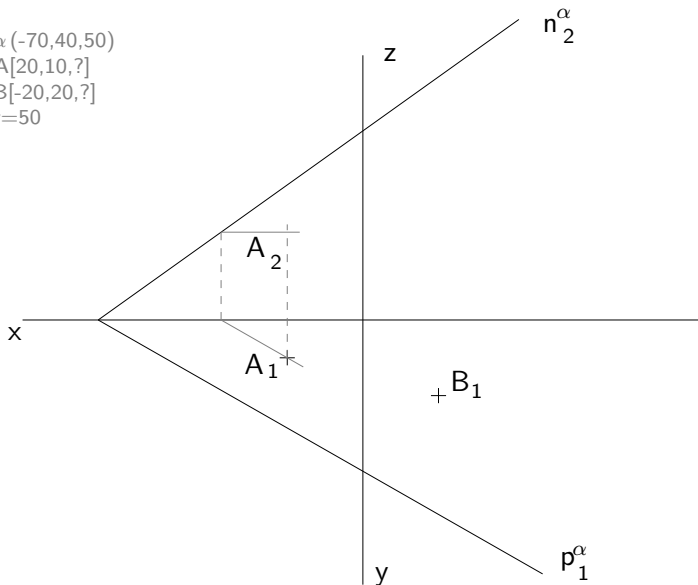
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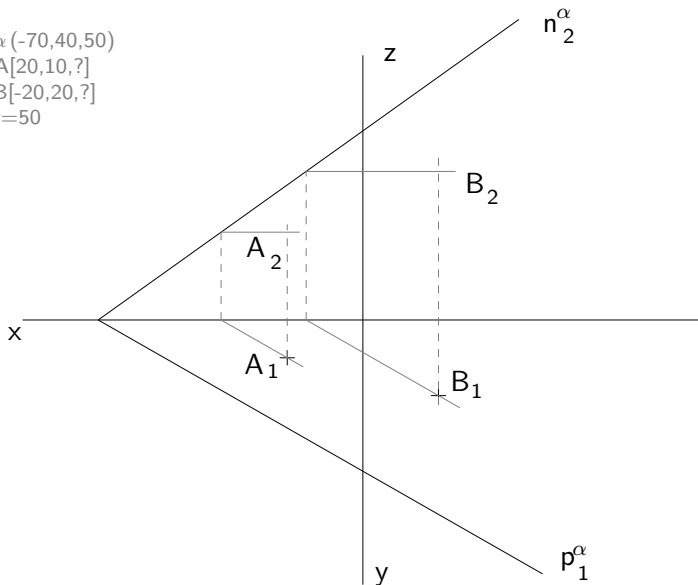
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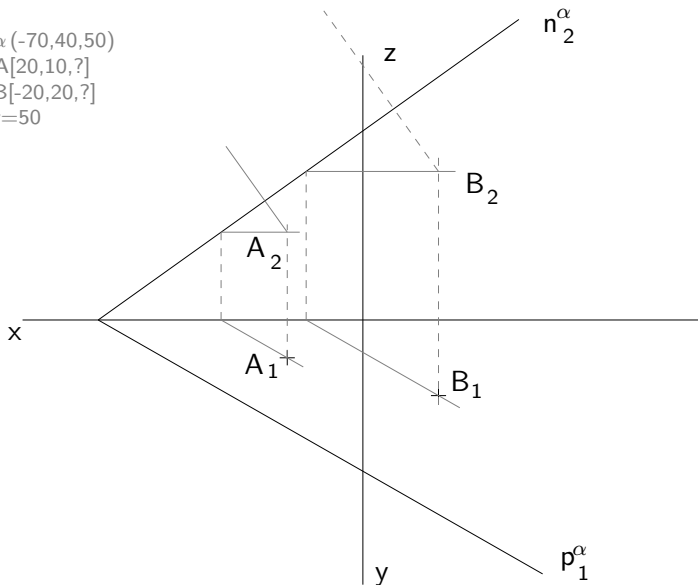
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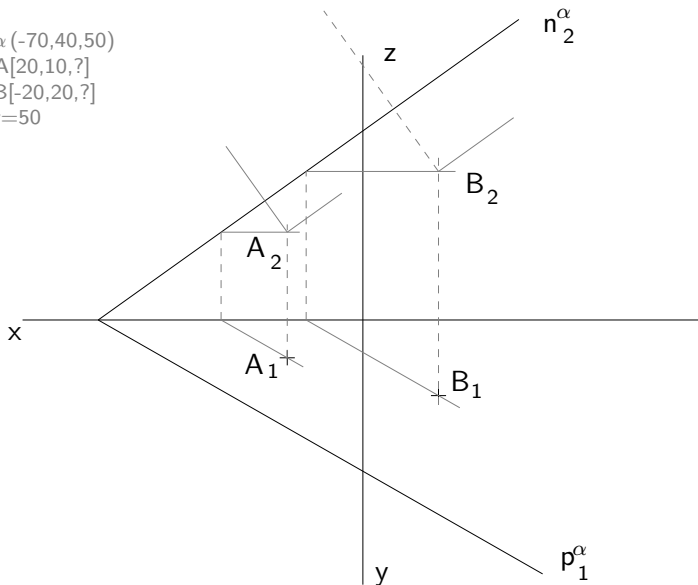
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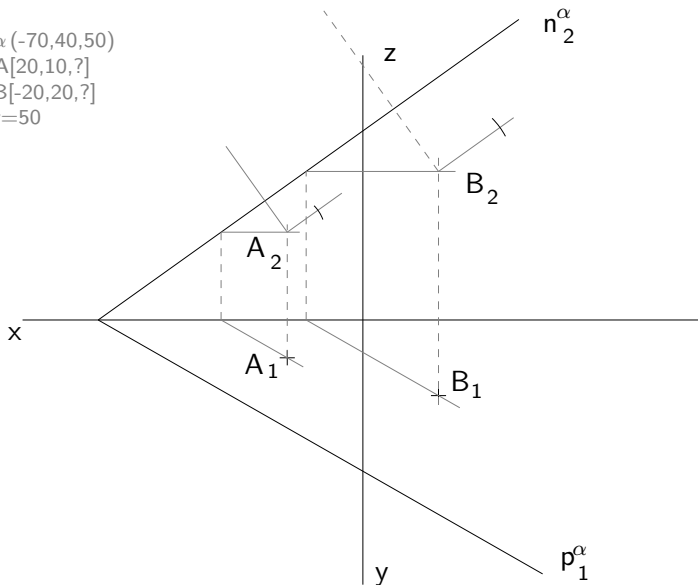
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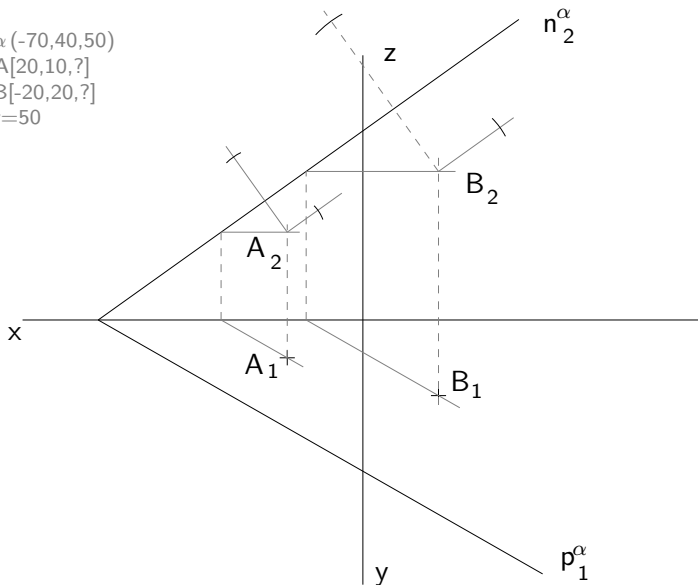
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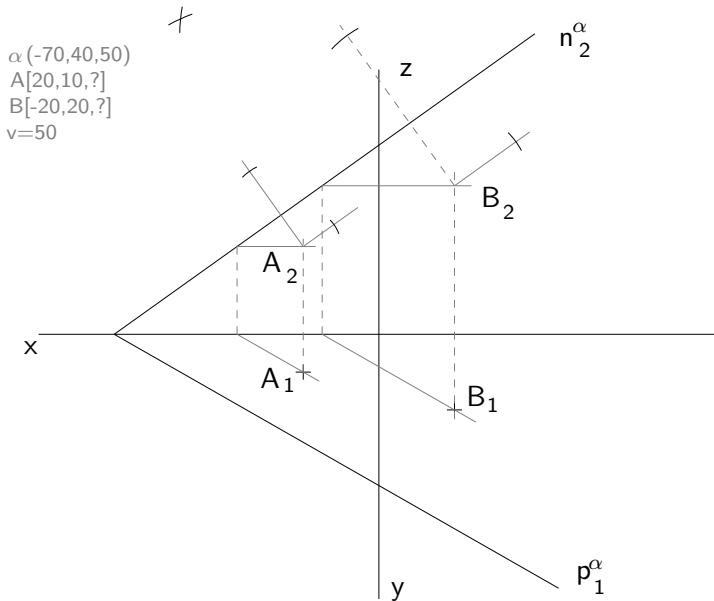
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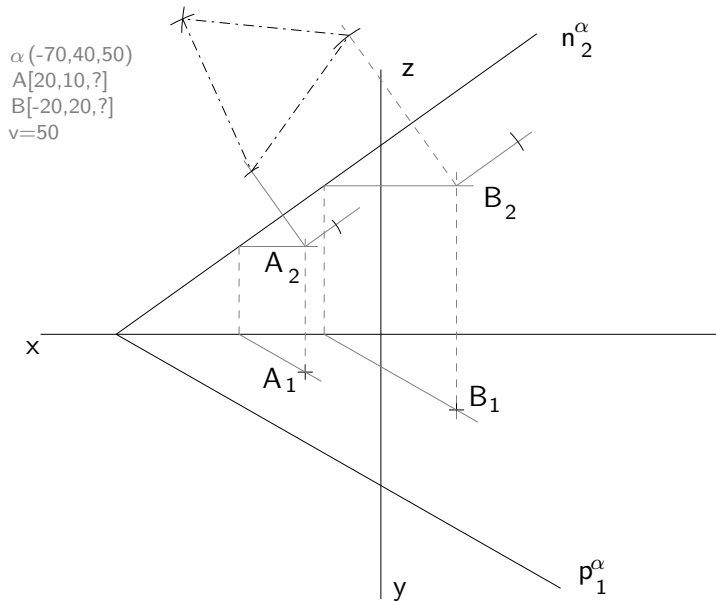




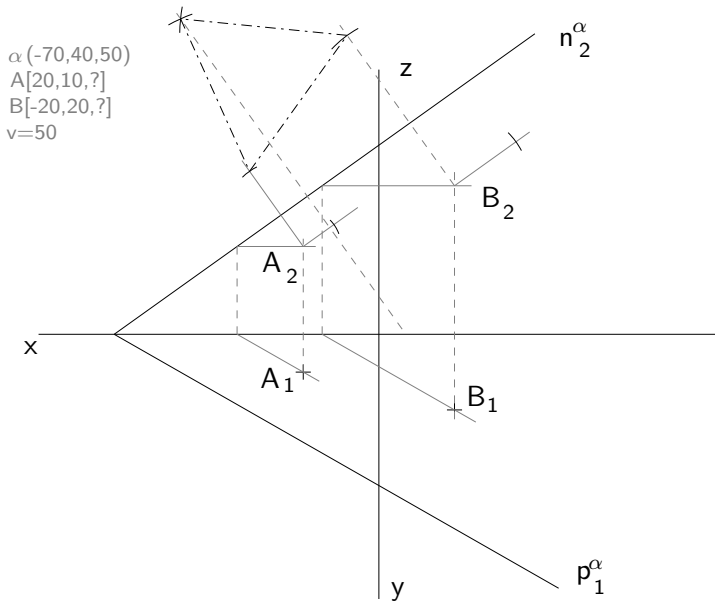
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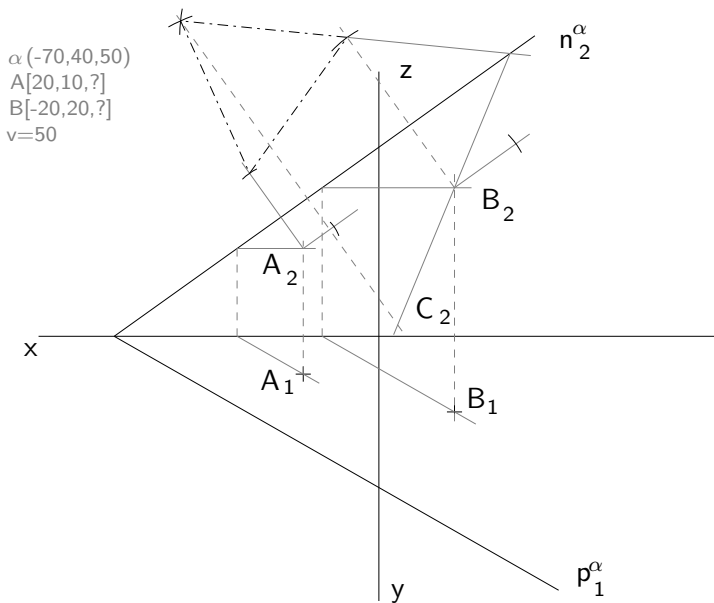
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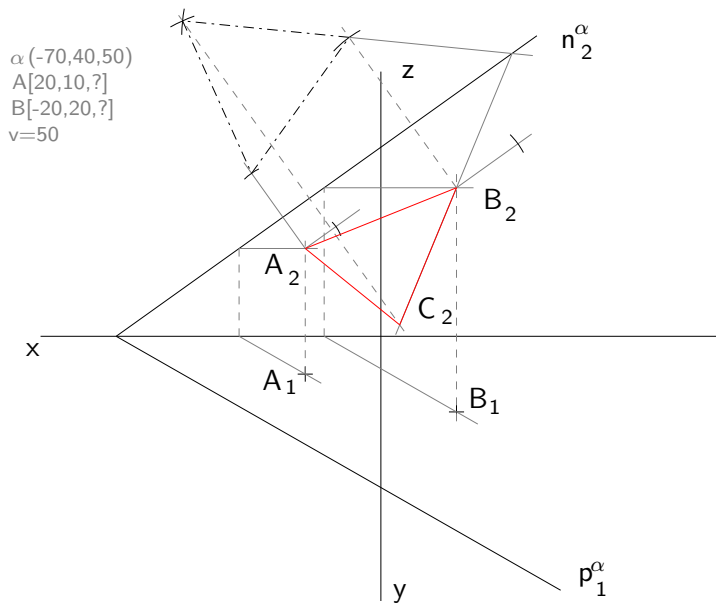
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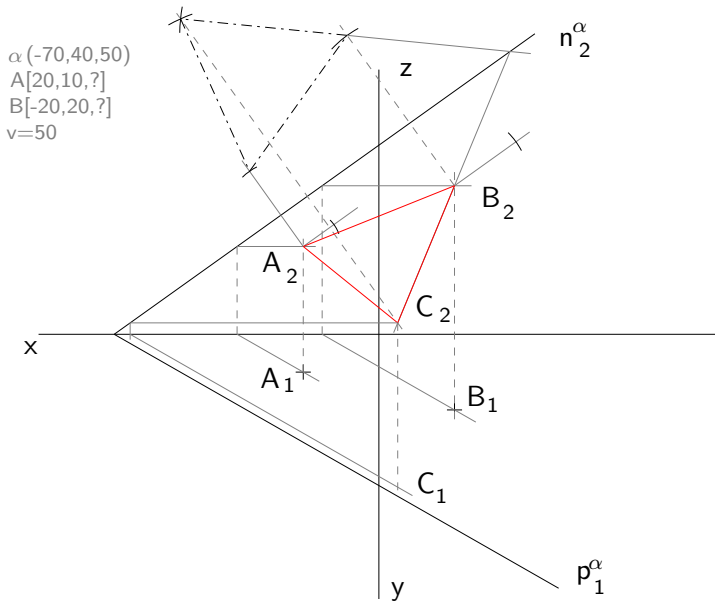
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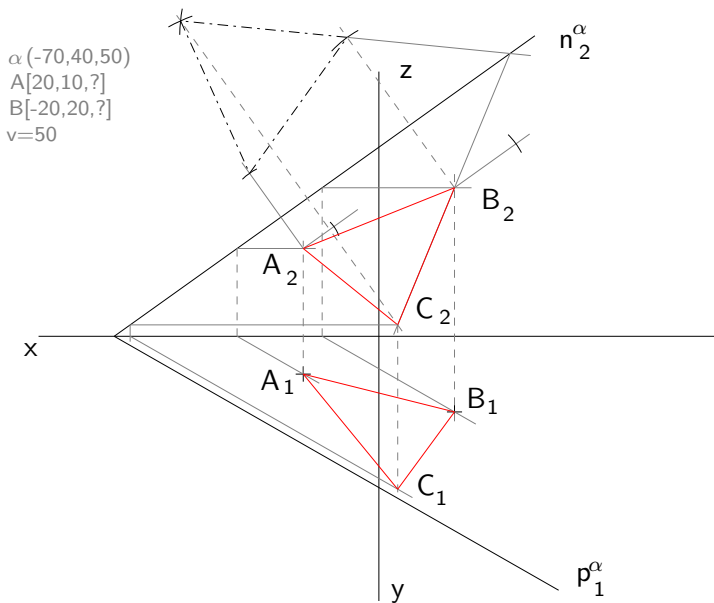
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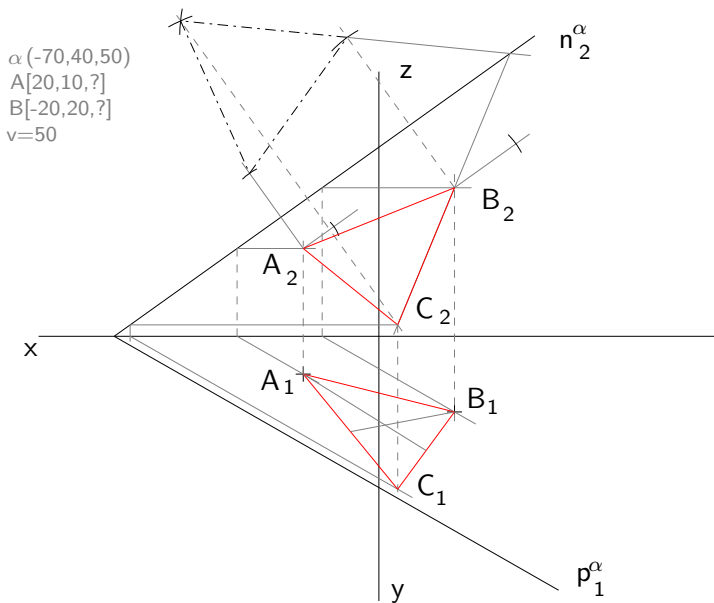
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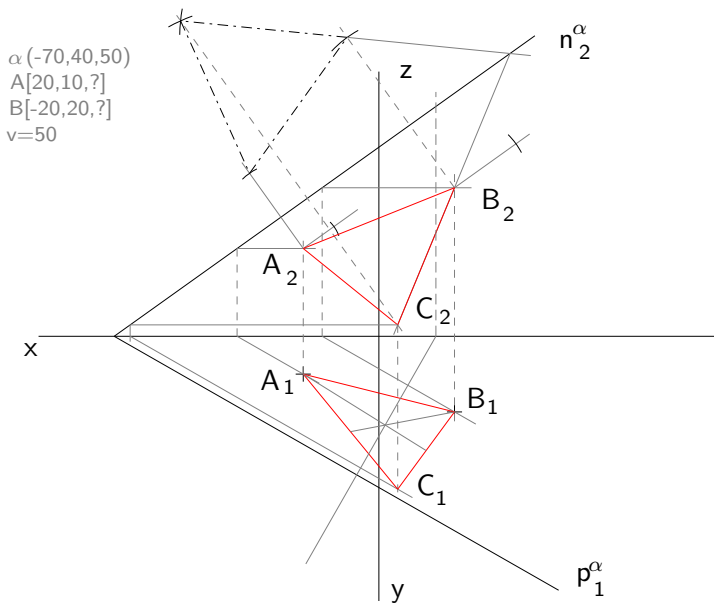


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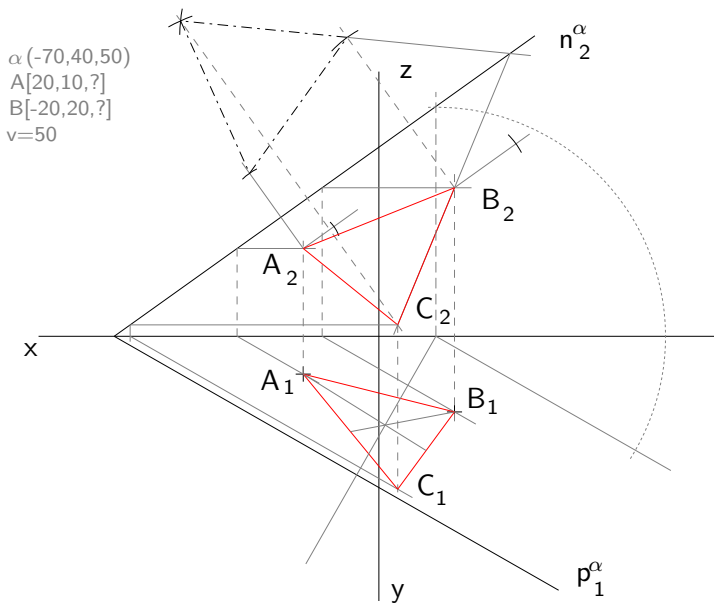




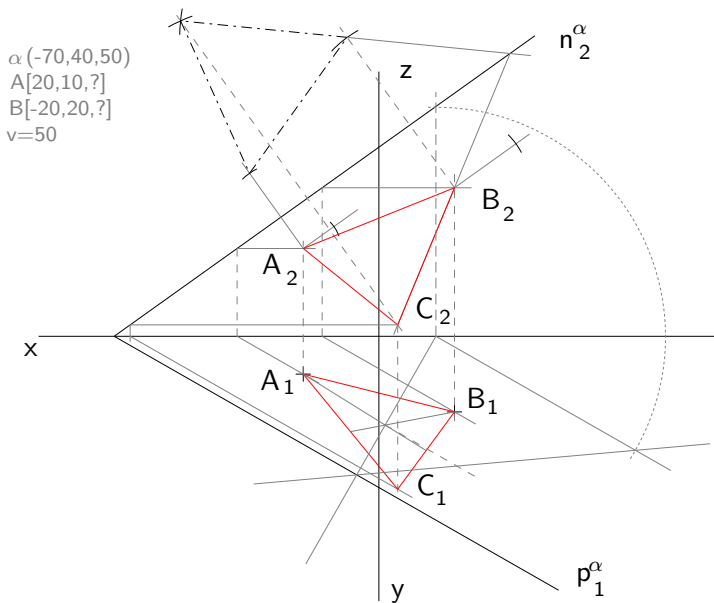
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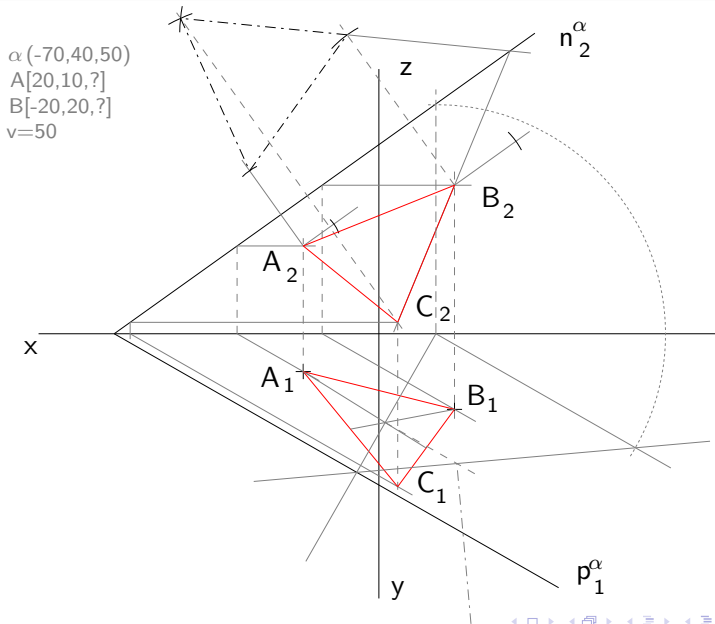
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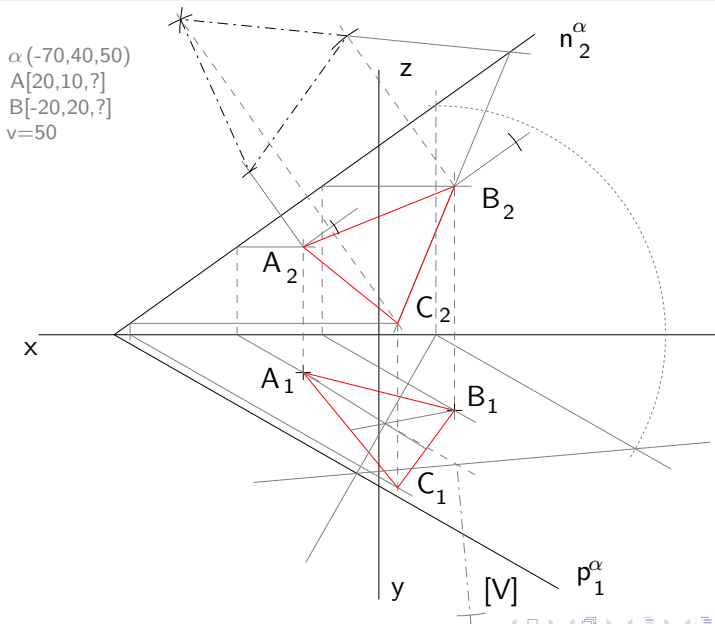
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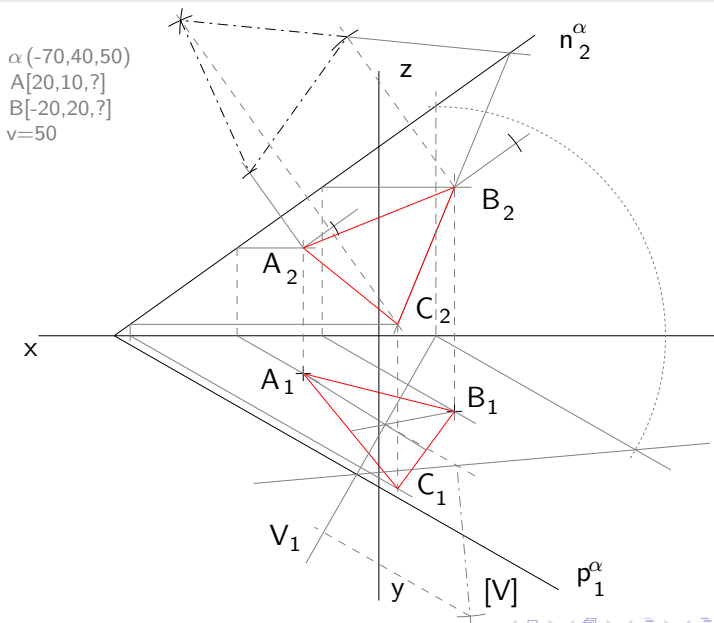
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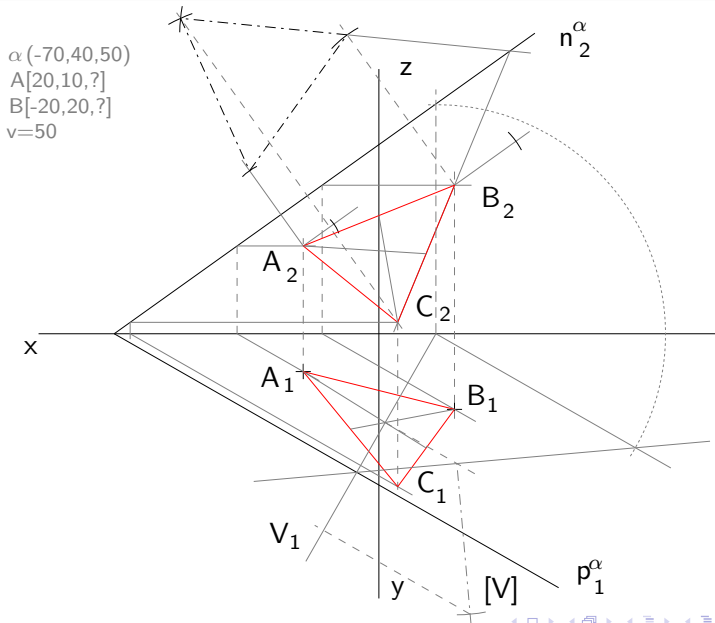
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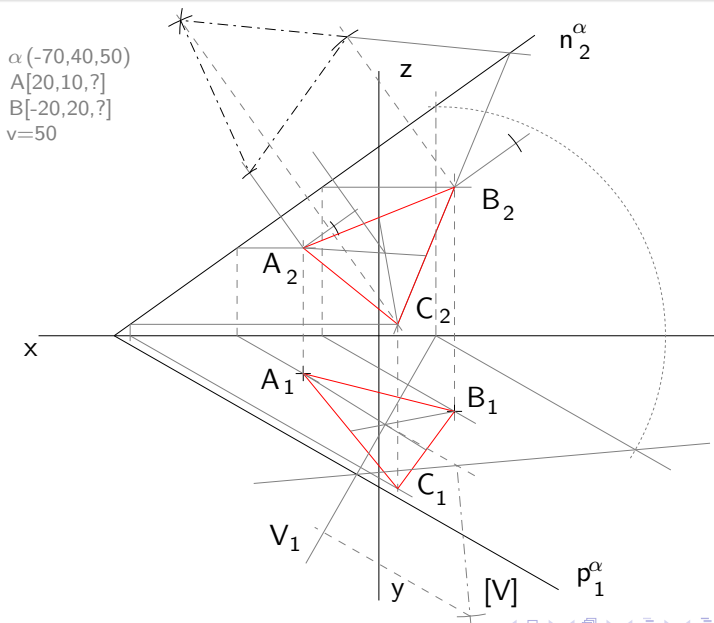
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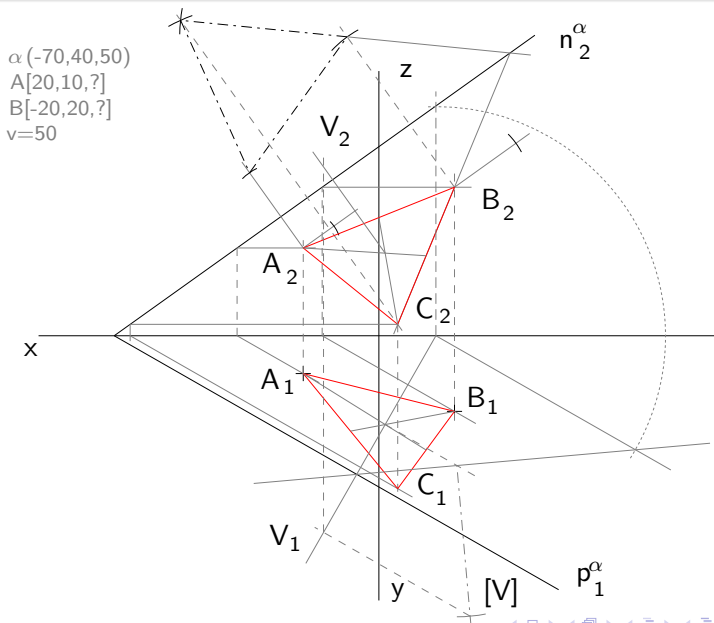


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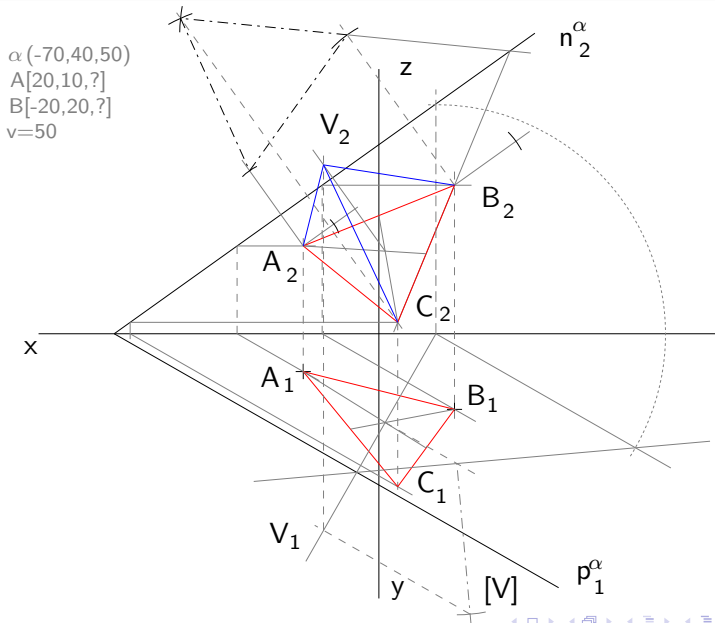




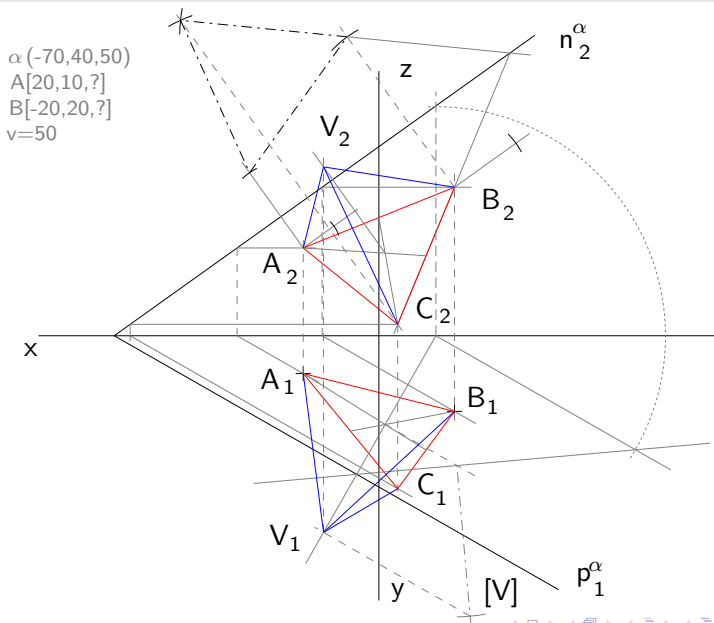
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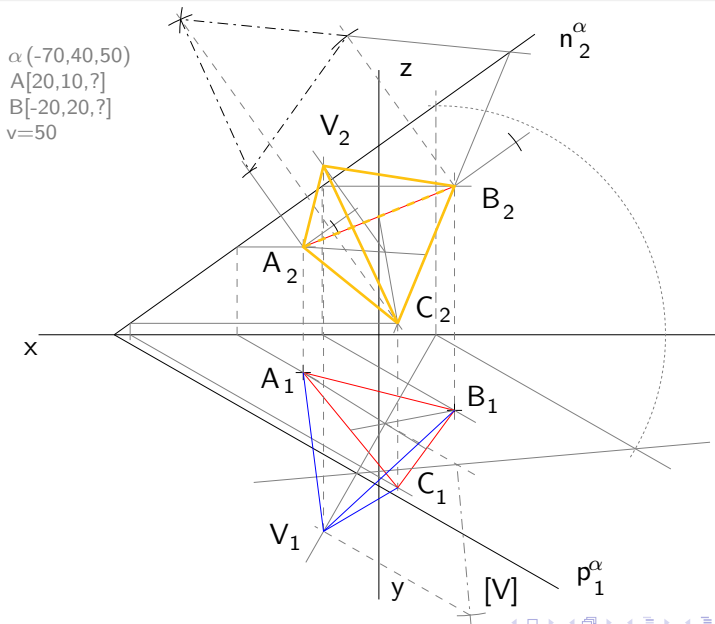
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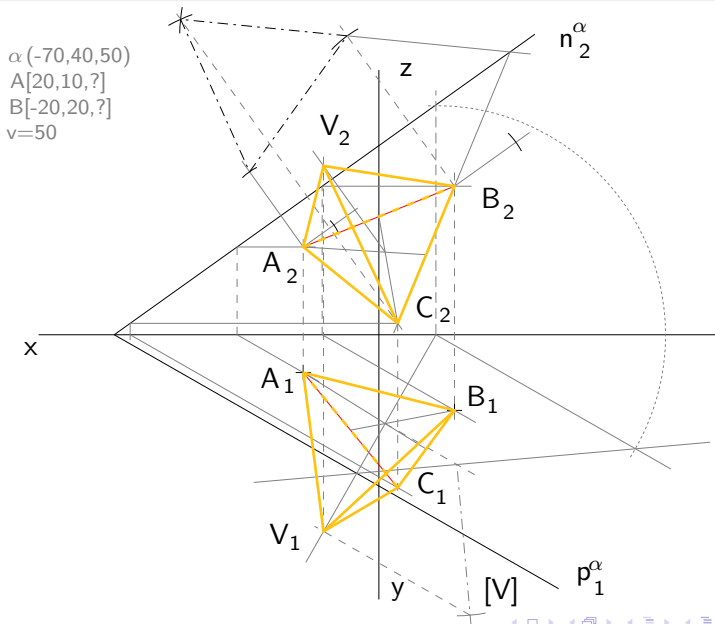
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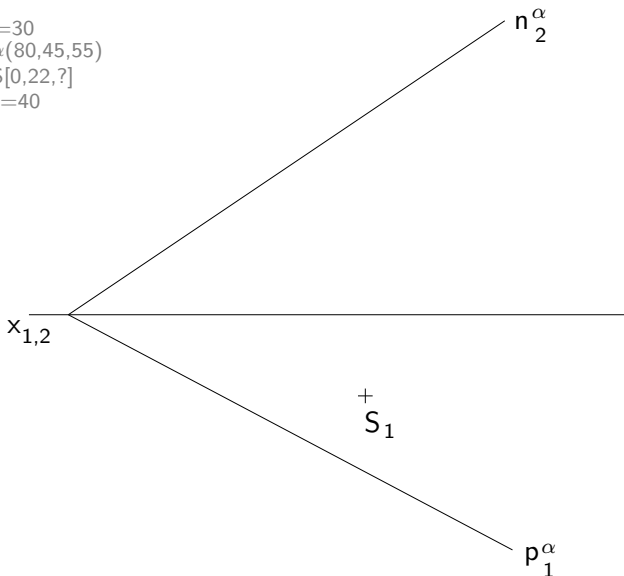


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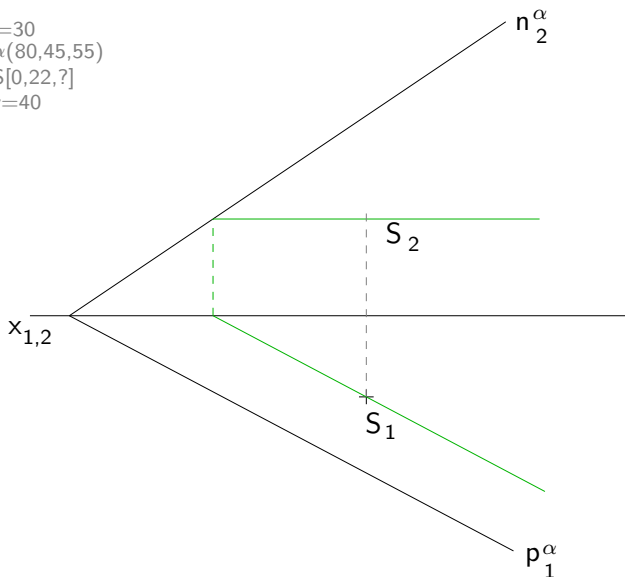
# Mongeovo promítání - válec

$r=30$   
 $\alpha(80,45,55)$   
 $S[0,22,?]$   
 $v=40$



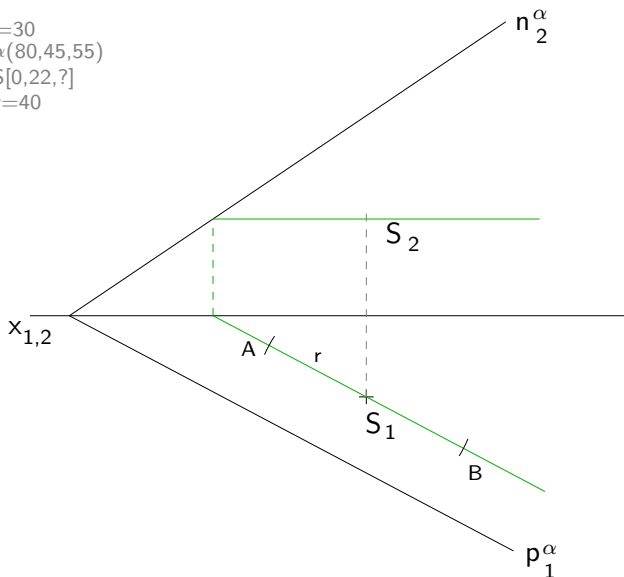
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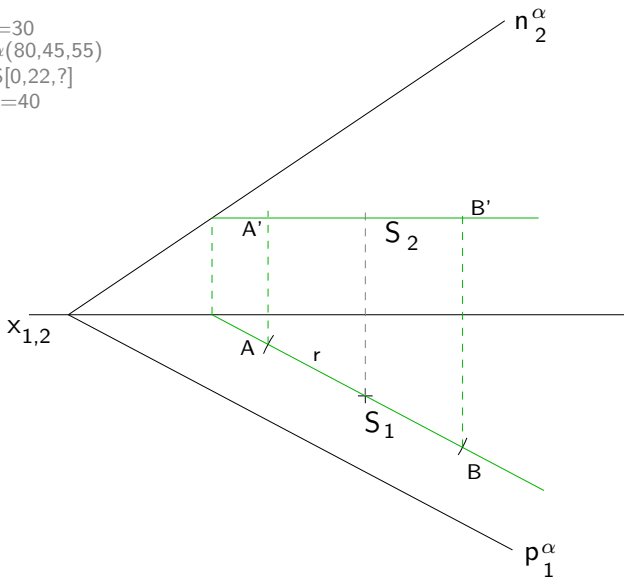
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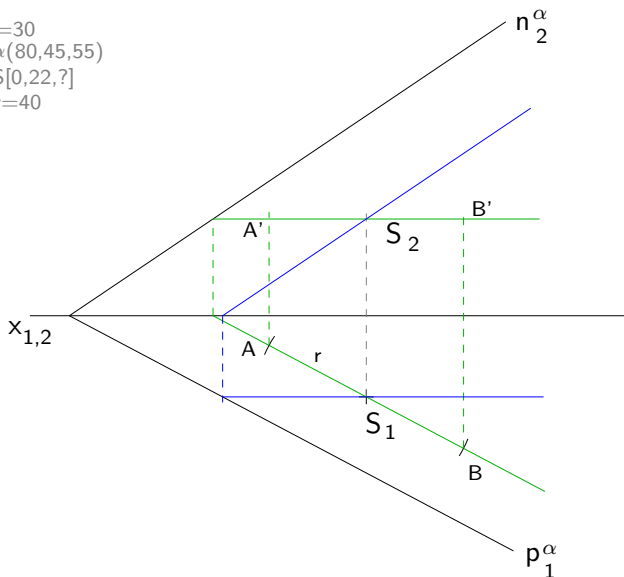
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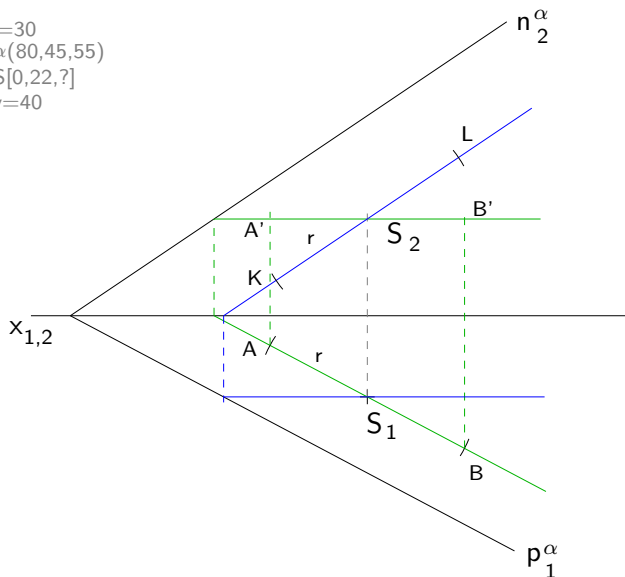
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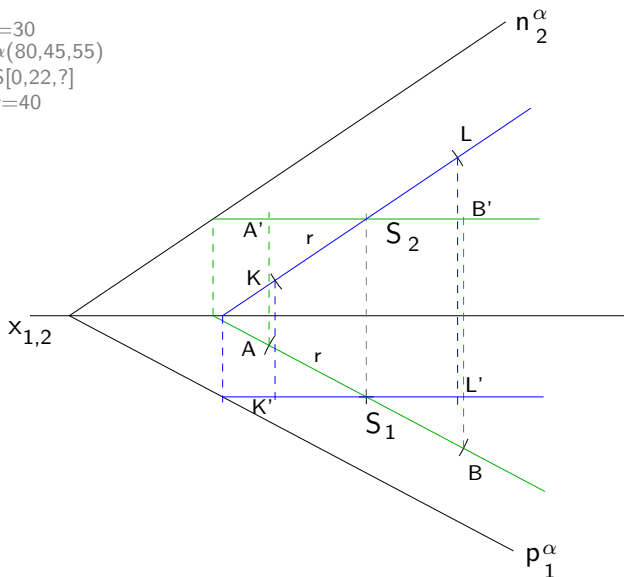
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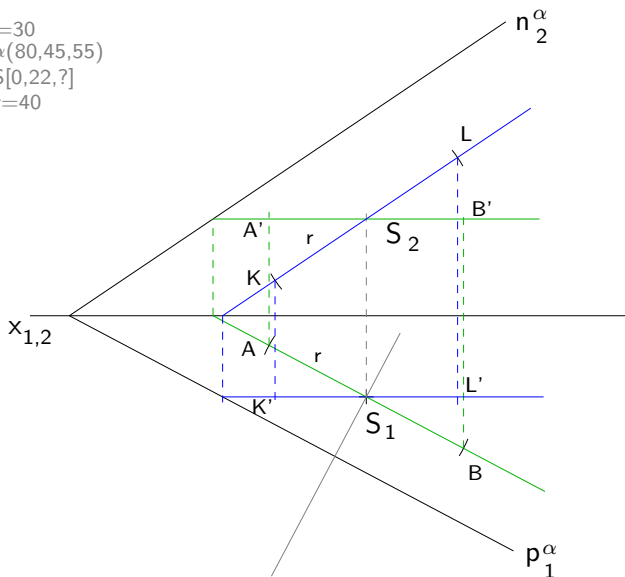
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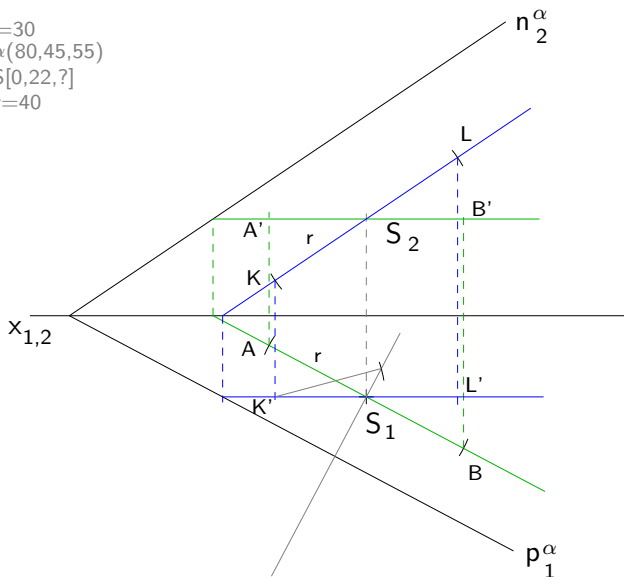
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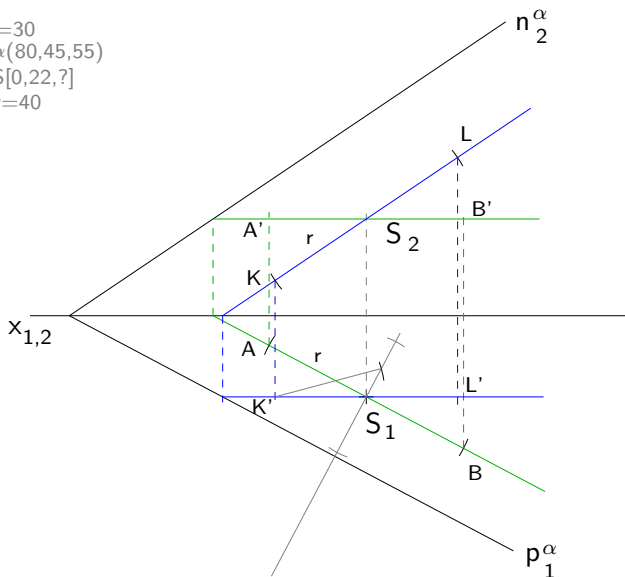
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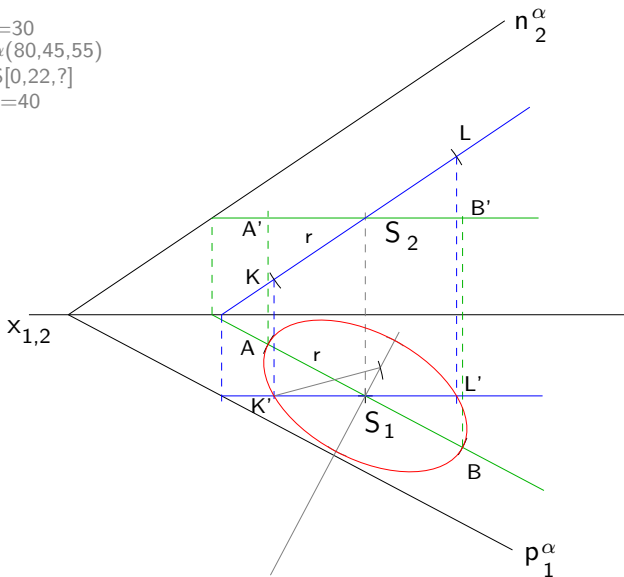
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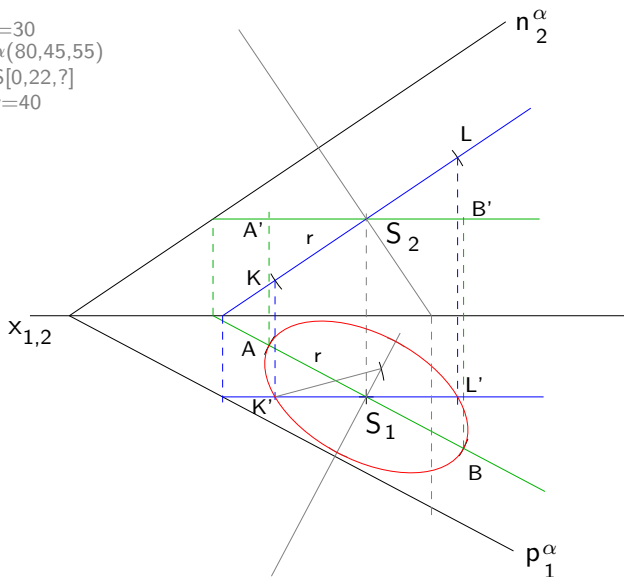
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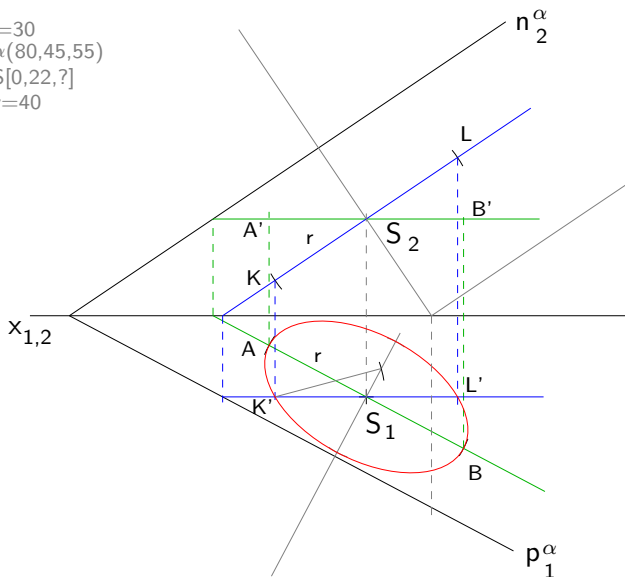
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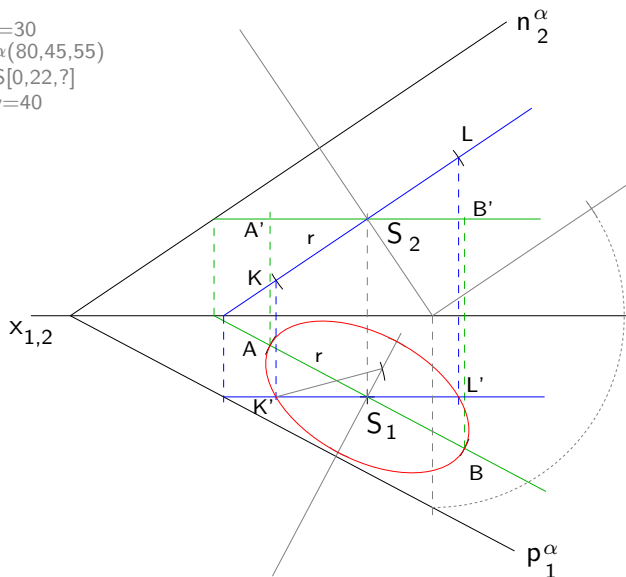
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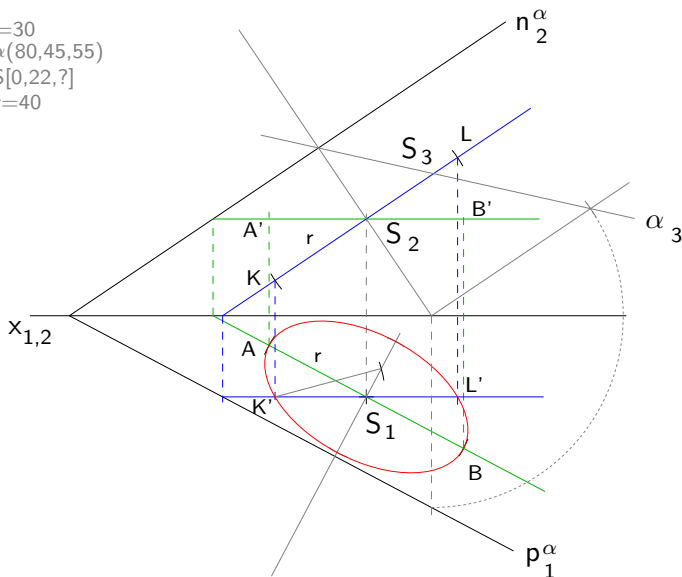
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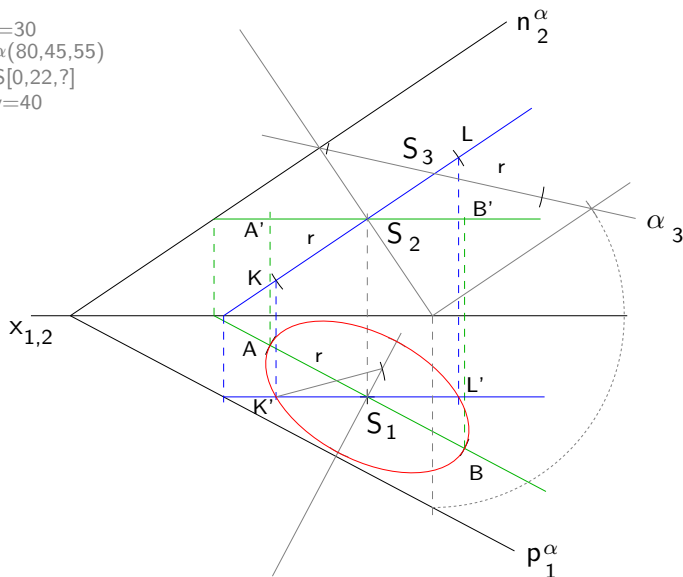
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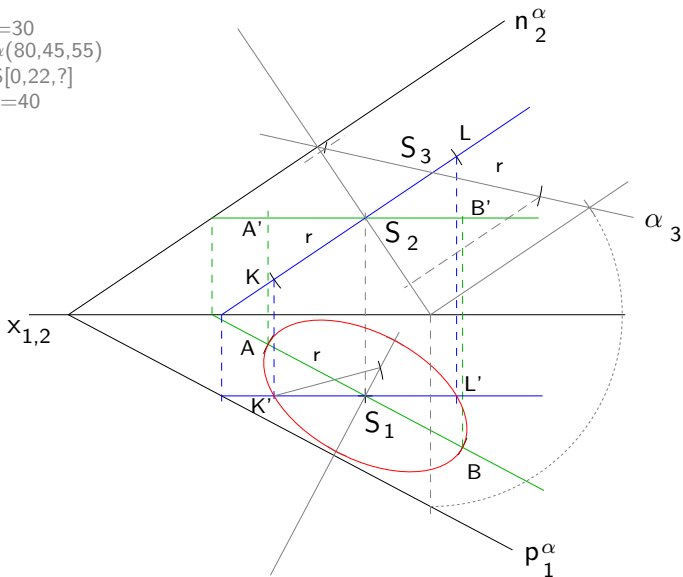
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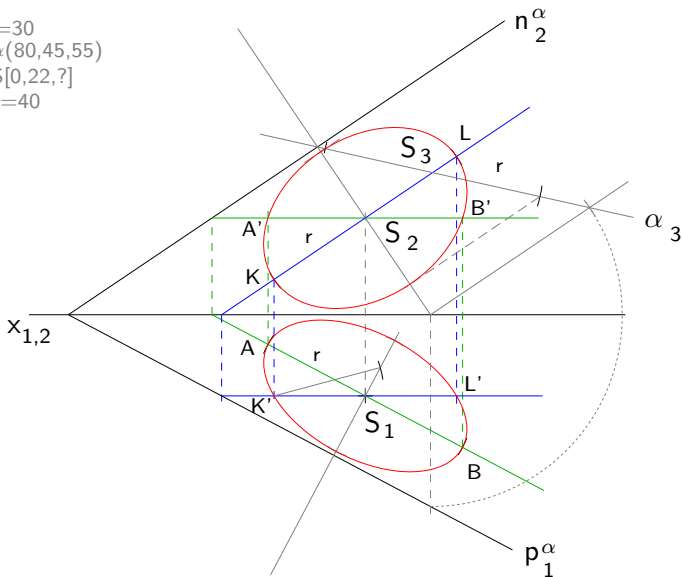
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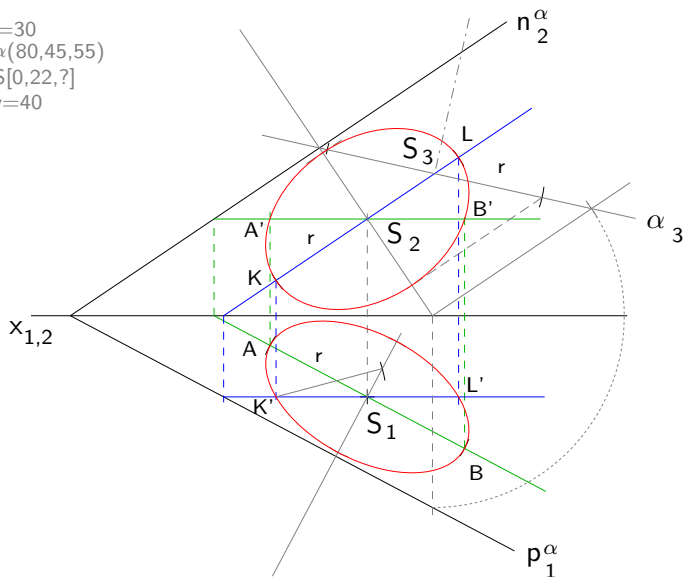
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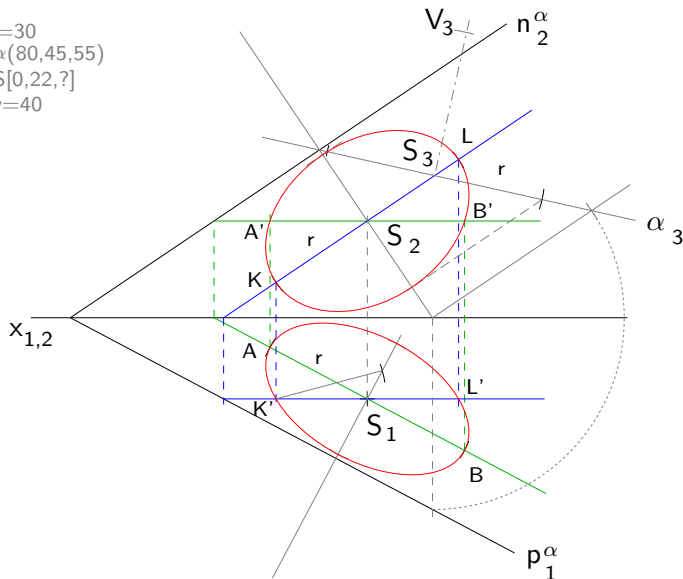
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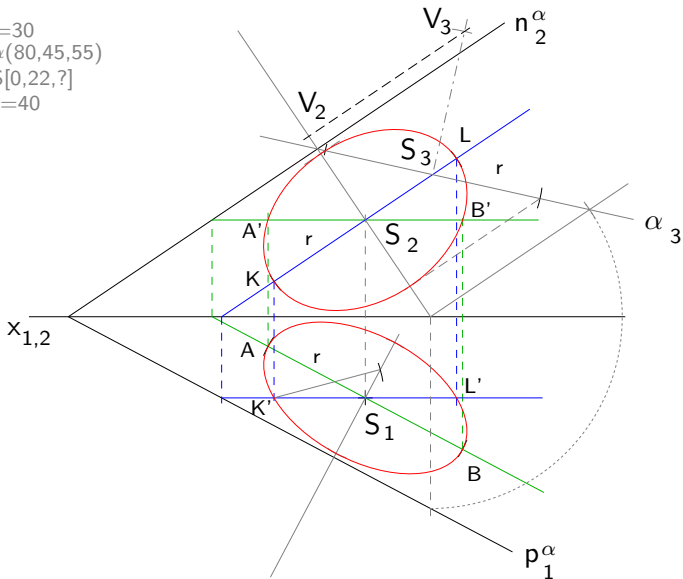
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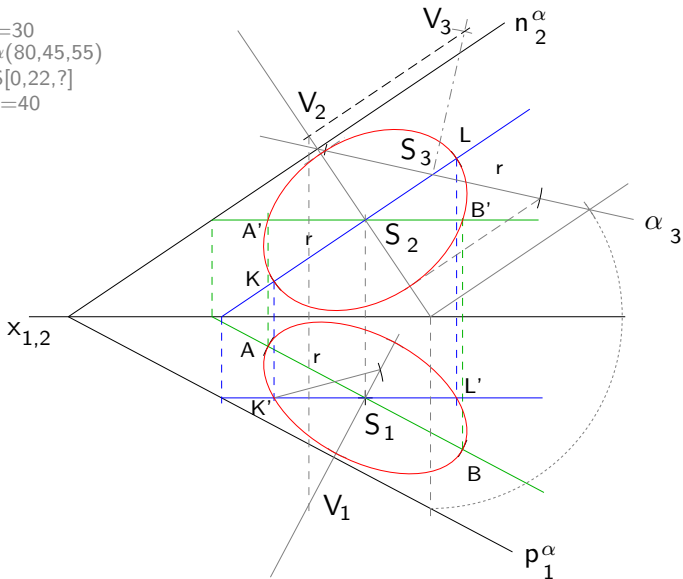
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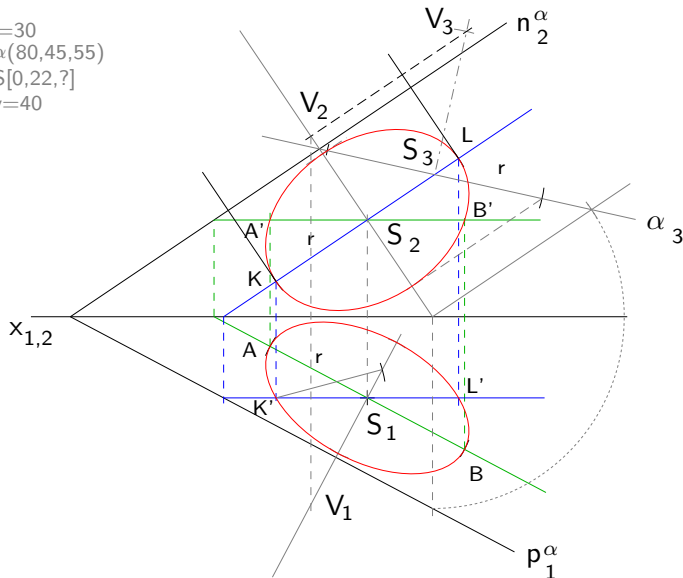
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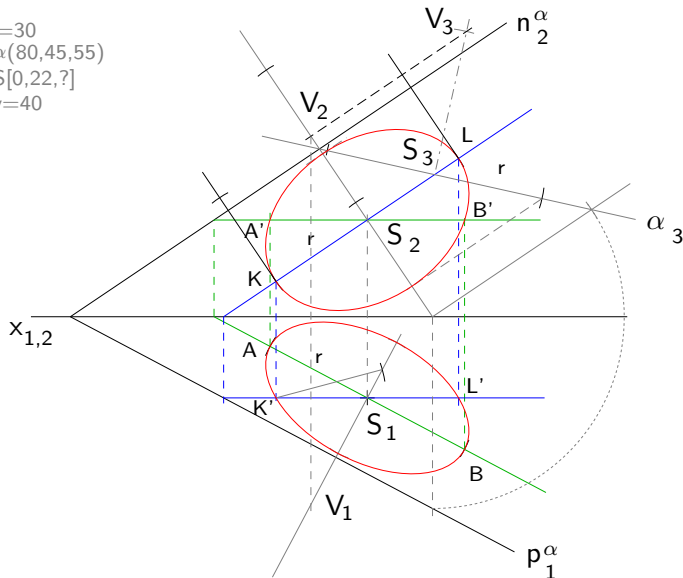
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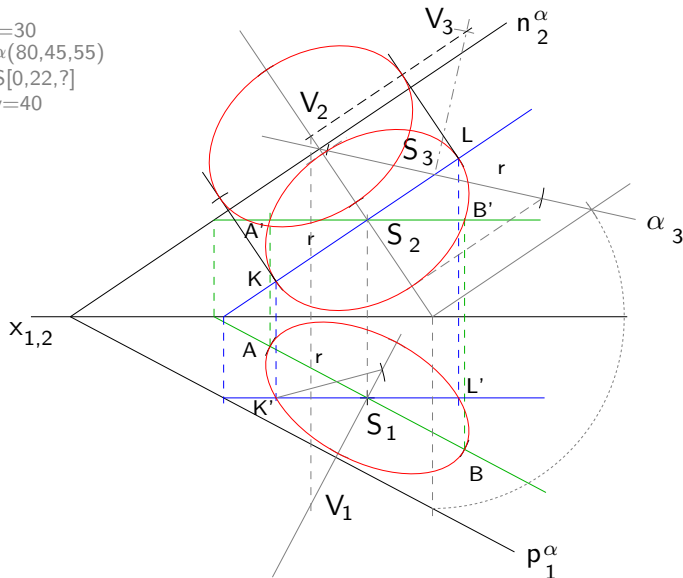
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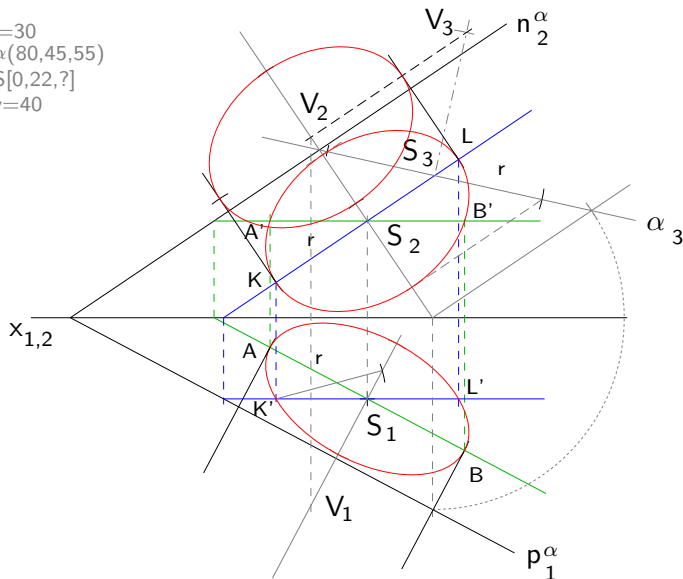
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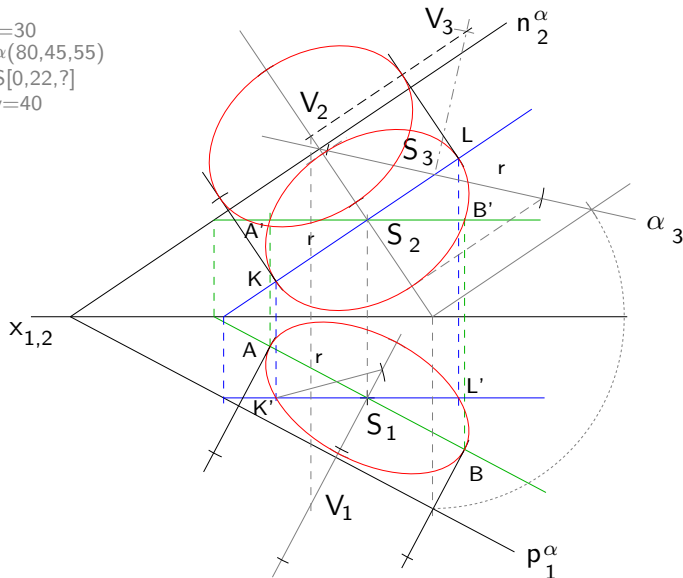
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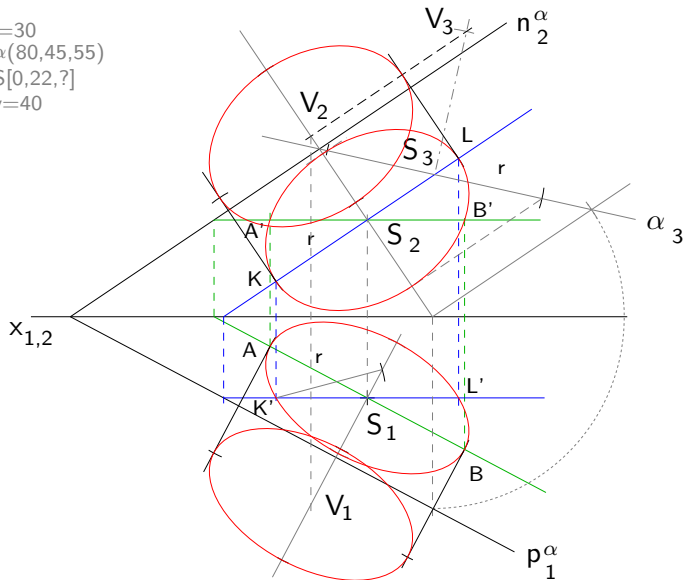
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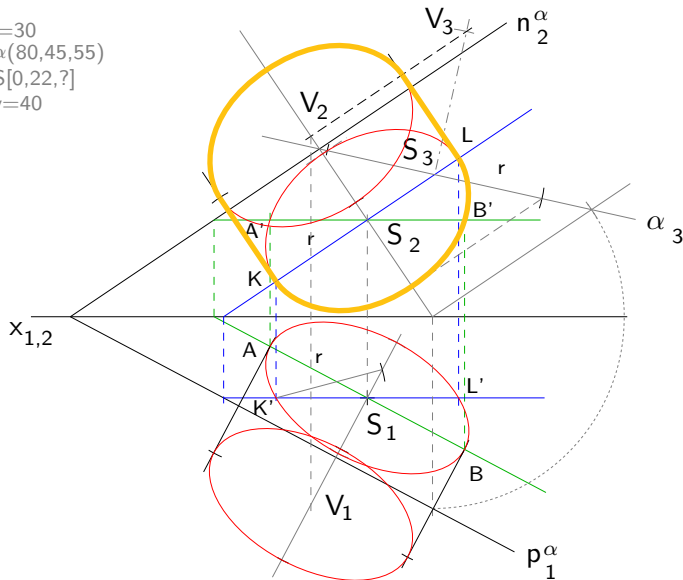
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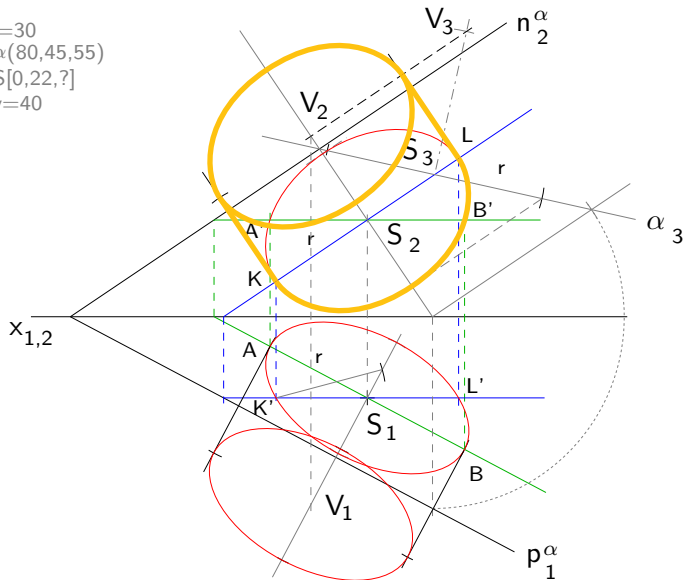
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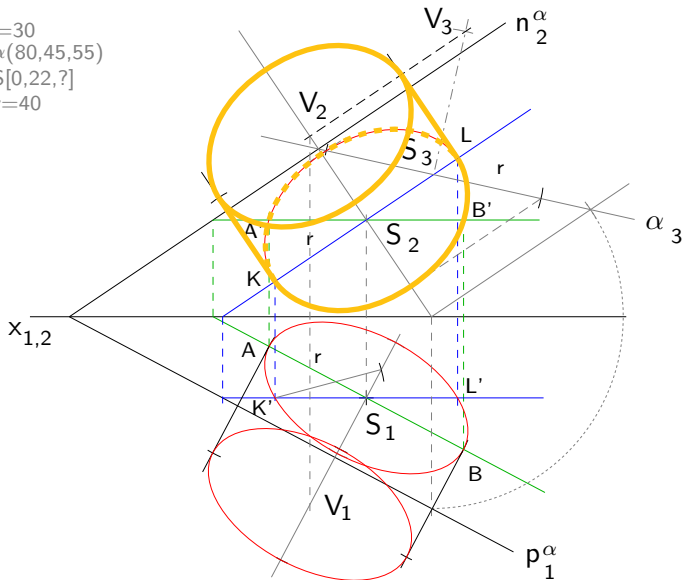
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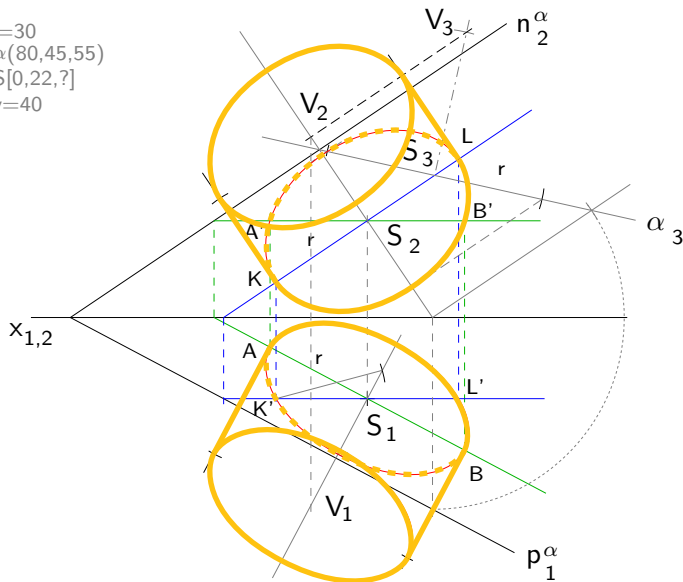
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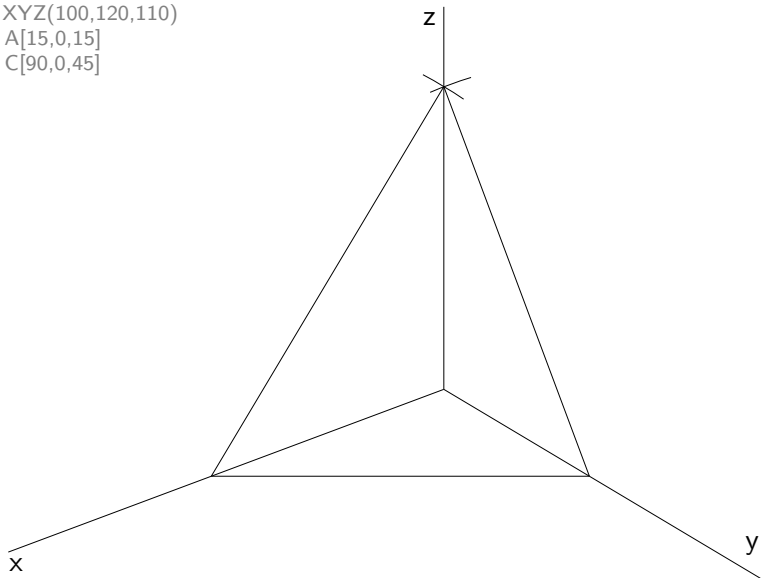


# Kolmá axonometrie - krychle

XYZ(100,120,110)

A[15,0,15]

C[90,0,45]

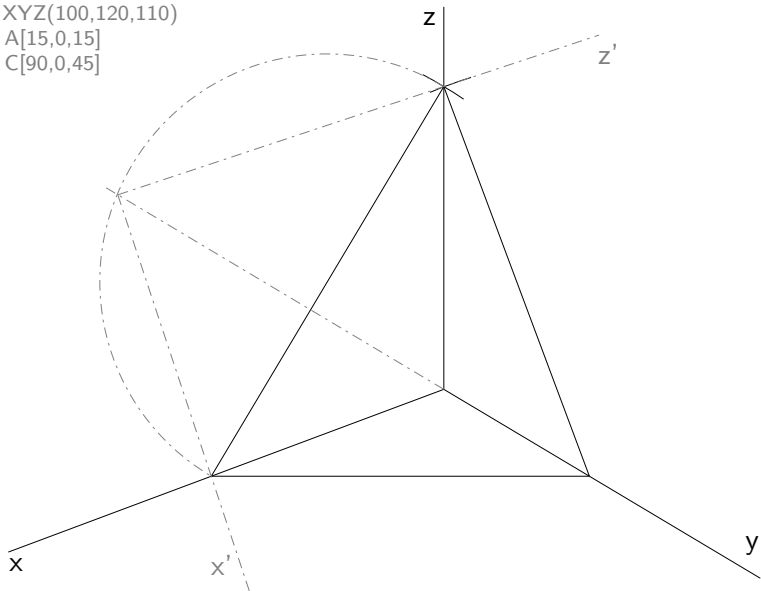


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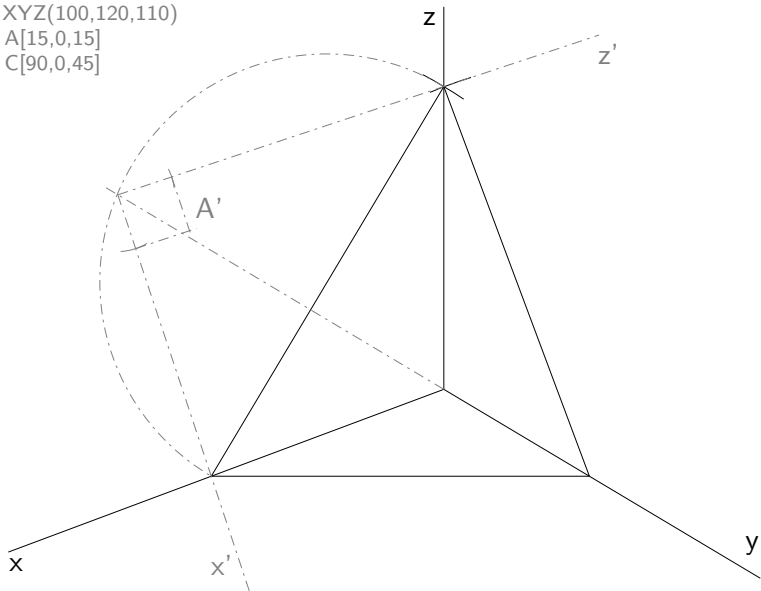


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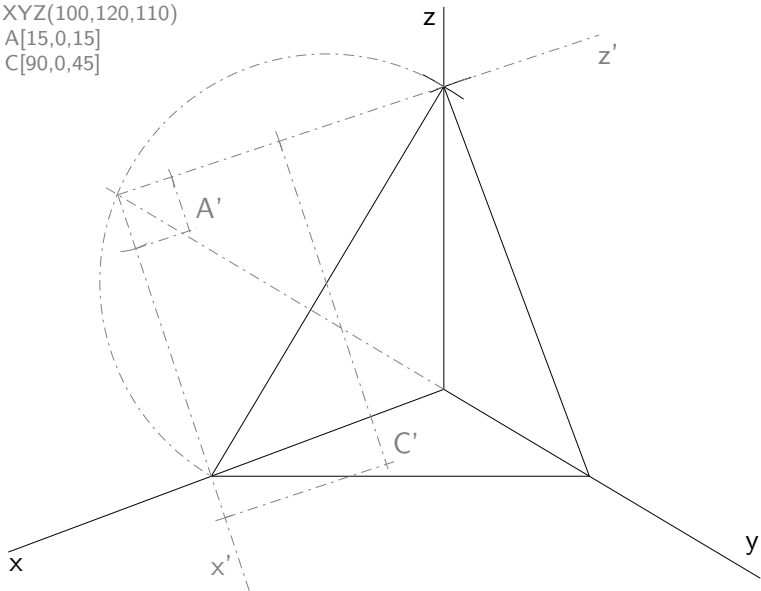


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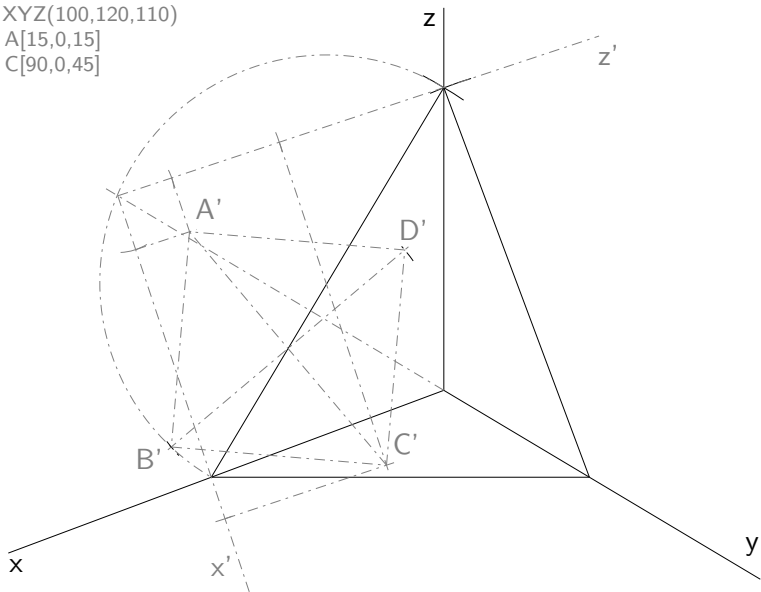


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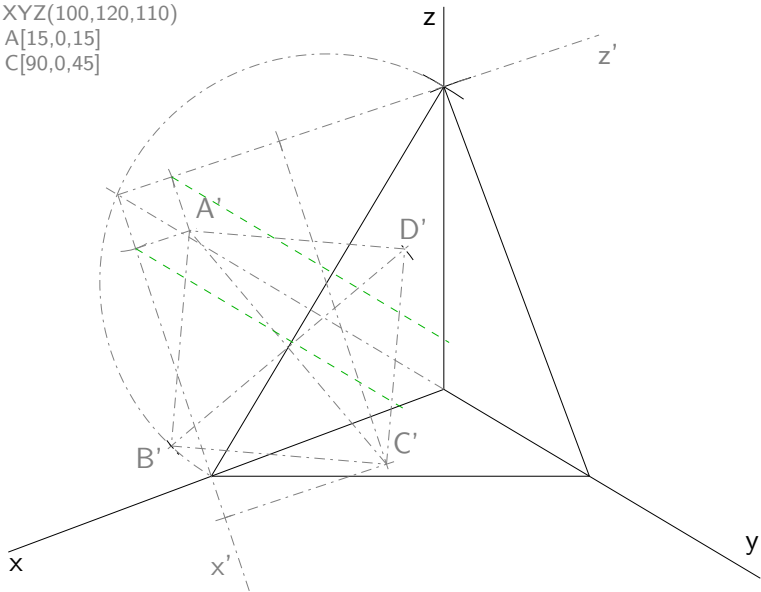
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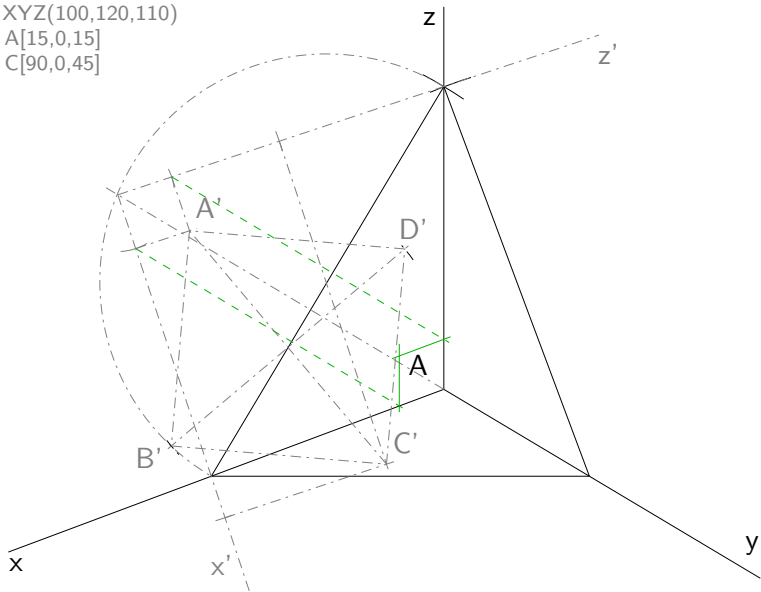
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# Kolmá axonometrie - krychle

XYZ(100,120,110)

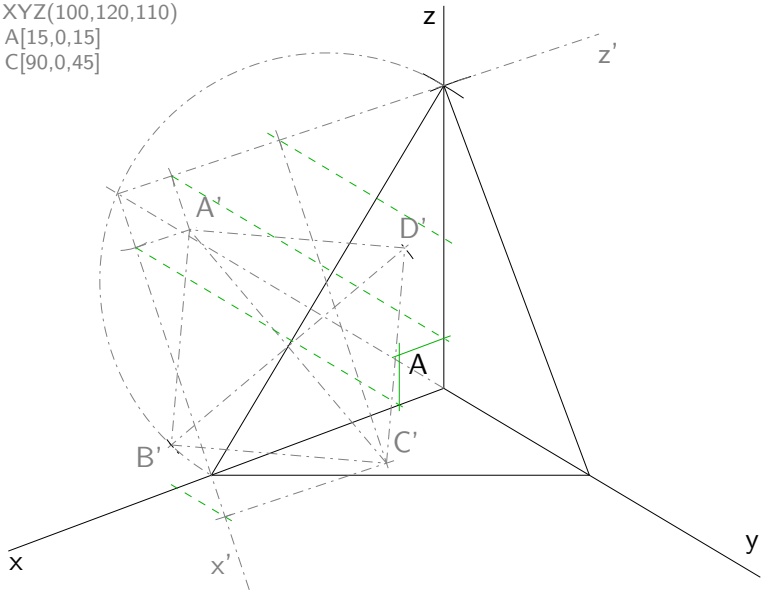
A[15,0,15]

 $C[90,0,45]$ 

# Kolmá axonometrie - krychle

XYZ(100,120,110)

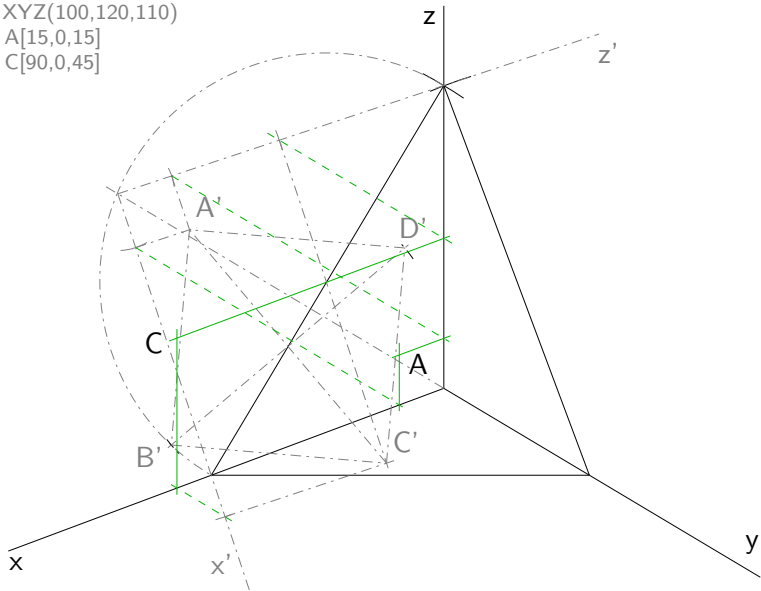
A[15,0,15]

 $C[90,0,45]$ 

# Kolmá axonometrie - krychle

XYZ(100,120,110)

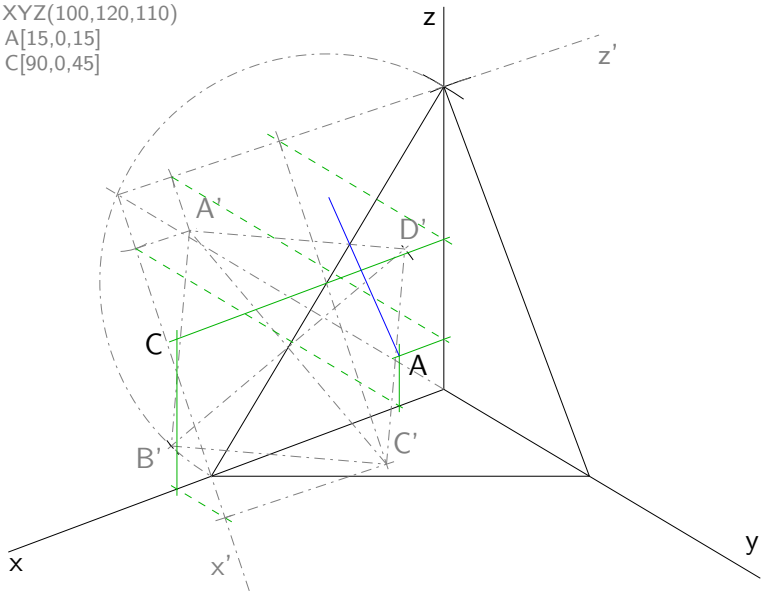
A[15,0,15]

 $C[90,0,45]$ 

# Kolmá axonometrie - krychle

XYZ(100,120,110)

A[15,0,15]

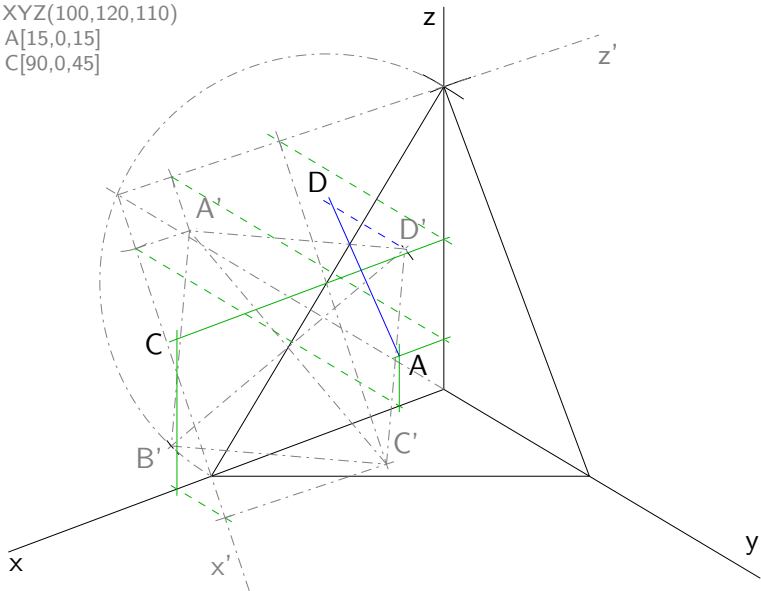
 $C[90,0,45]$ 

# Kolmá axonometrie - krychle

XYZ(100,120,110)

A[15,0,15]

C[90,0,45]



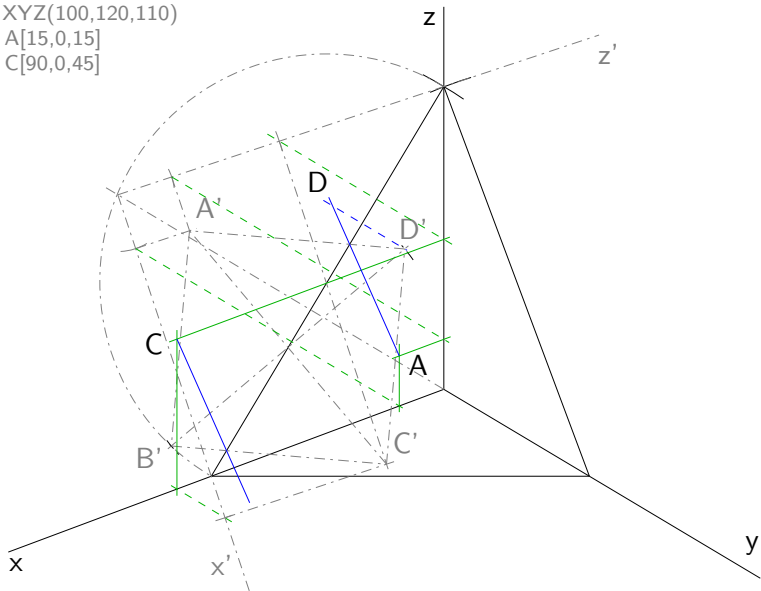


# Kolmá axonometrie - krychle

XYZ(100,120,110)

A[15,0,15]

C[90,0,45]

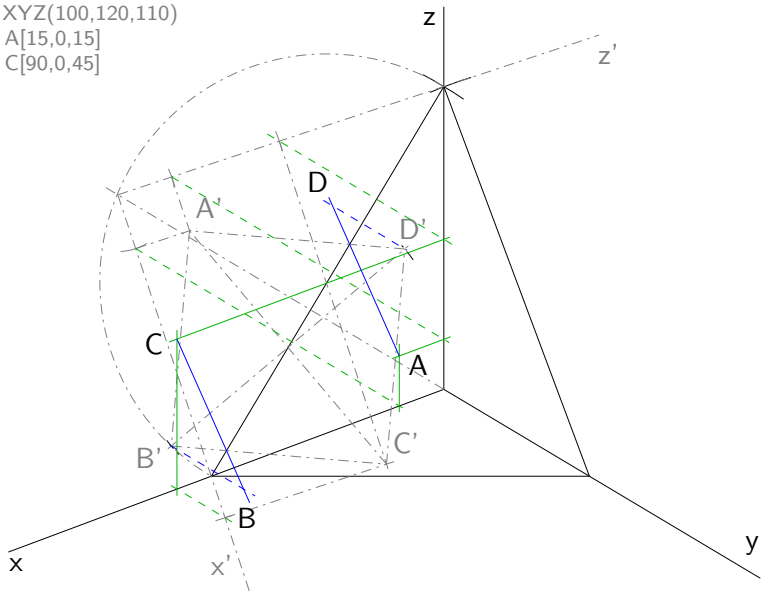


# Kolmá axonometrie - krychle

XYZ(100,120,110)

A[15,0,15]

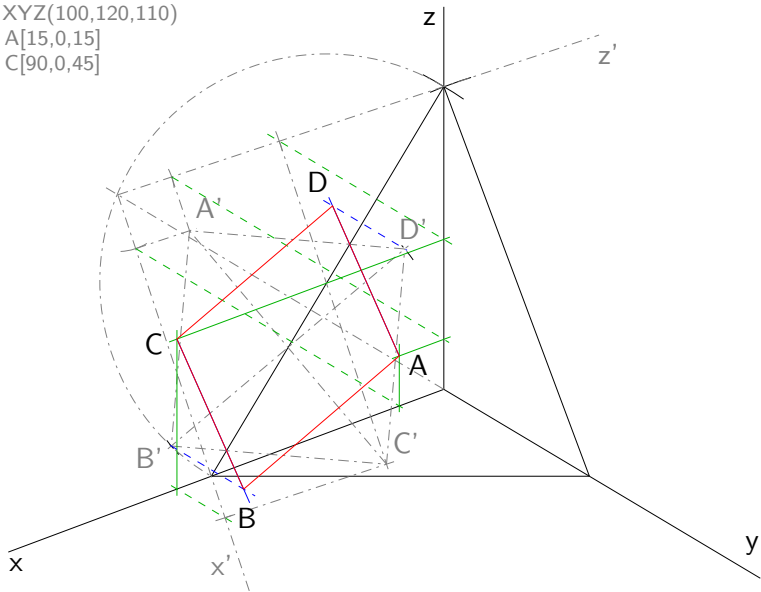
C[90,0,45]



# Kolmá axonometrie - krychle

XYZ(100,120,110)

A[15,0,15]

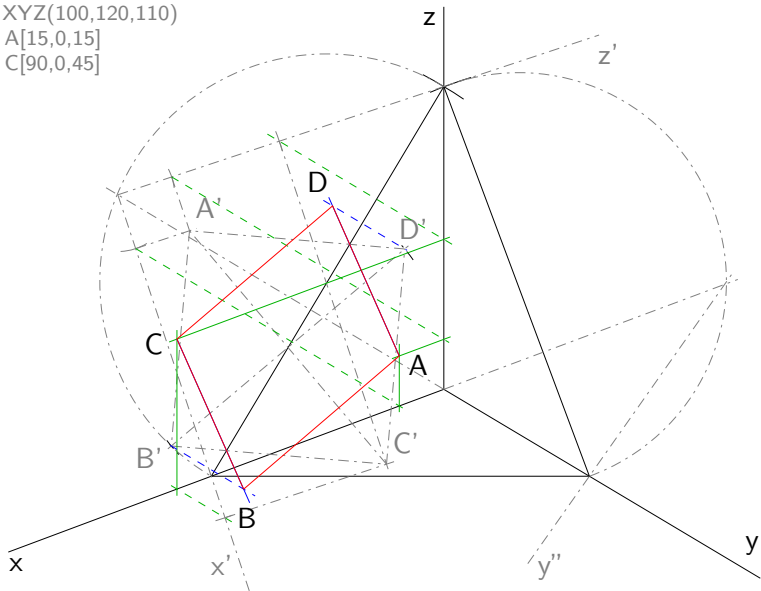
 $C[90,0,45]$ 

# Kolmá axonometrie - krychle

XYZ(100,120,110)

A[15,0,15]

C[90,0,45]

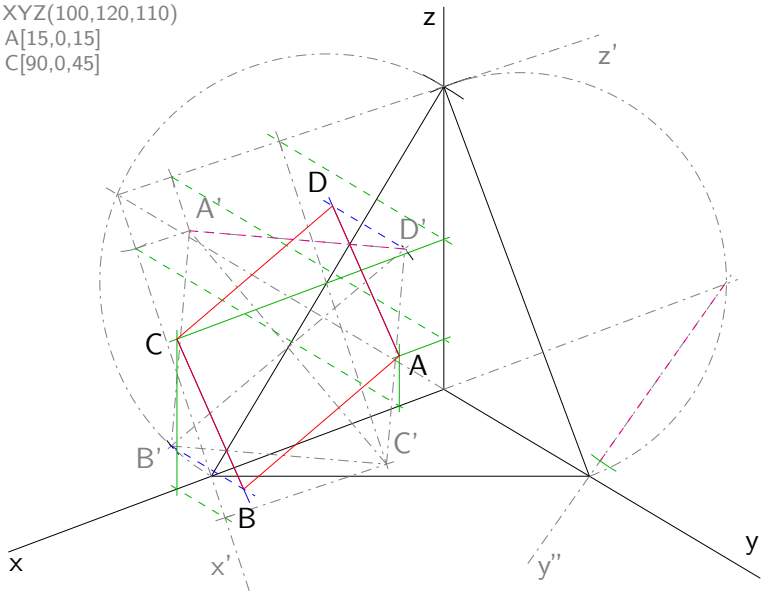


# Kolmá axonometrie - krychle

XYZ(100,120,110)

A[15,0,15]

C[90,0,45]

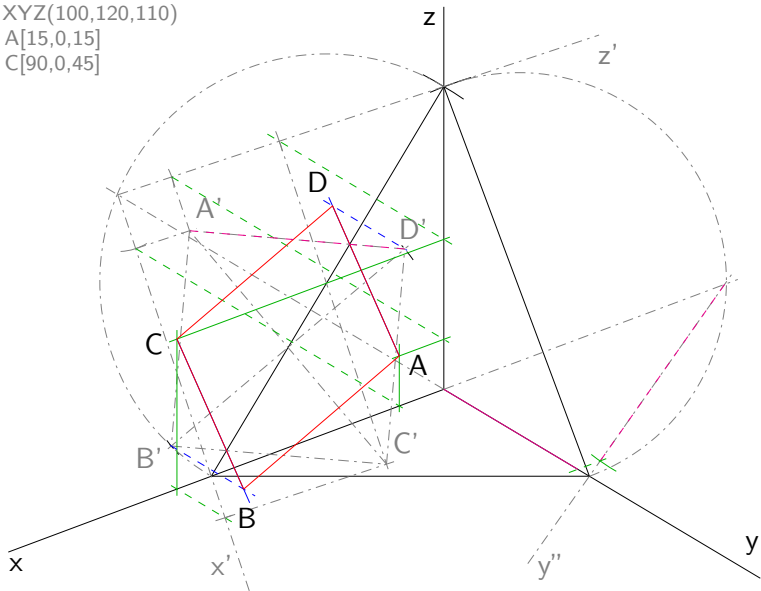


# Kolmá axonometrie - krychle

XYZ(100,120,110)

A[15,0,15]

C[90,0,45]

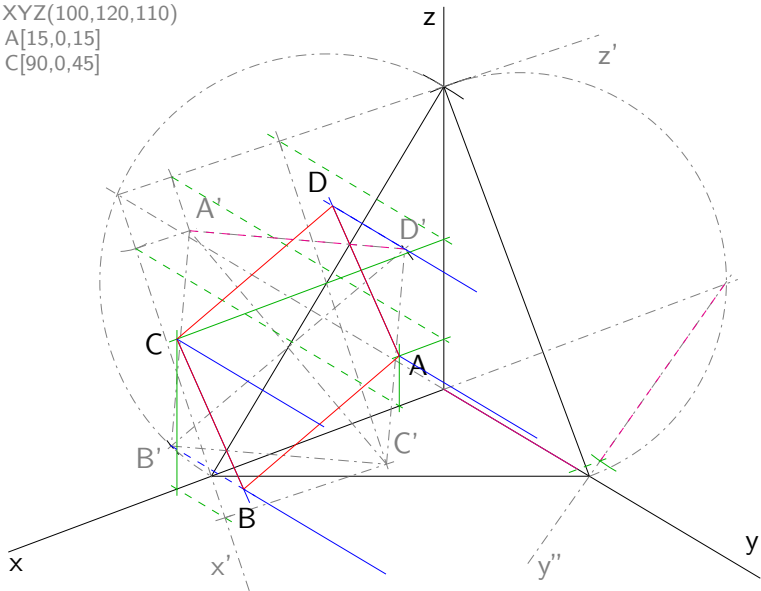


# Kolmá axonometrie - krychle

XYZ(100,120,110)

A[15,0,15]

C[90,0,45]

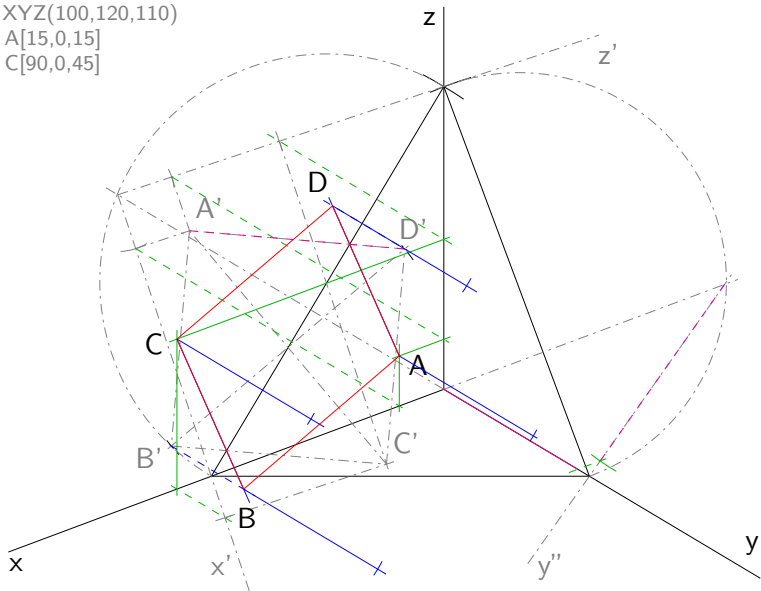


# Kolmá axonometrie - krychle

XYZ(100,120,110)

A[15,0,15]

C[90,0,45]



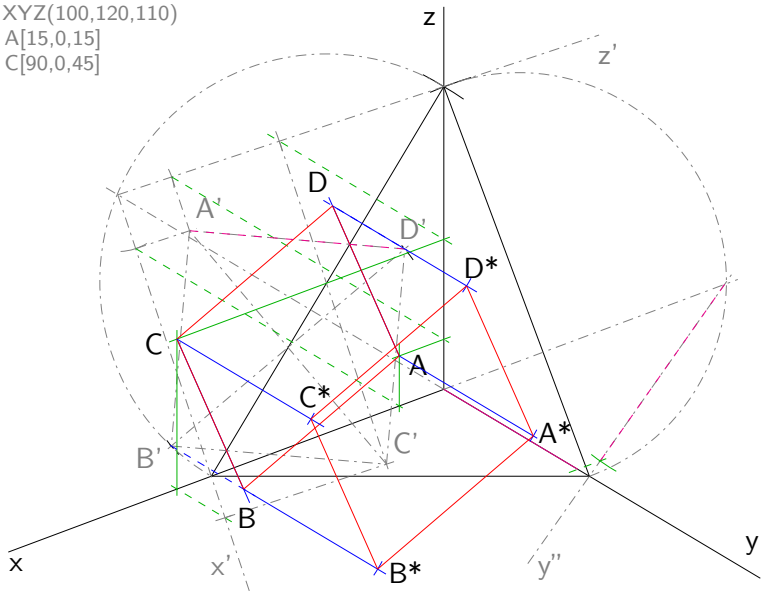


# Kolmá axonometrie - krychle

XYZ(100,120,110)

A[15,0,15]

C[90,0,45]

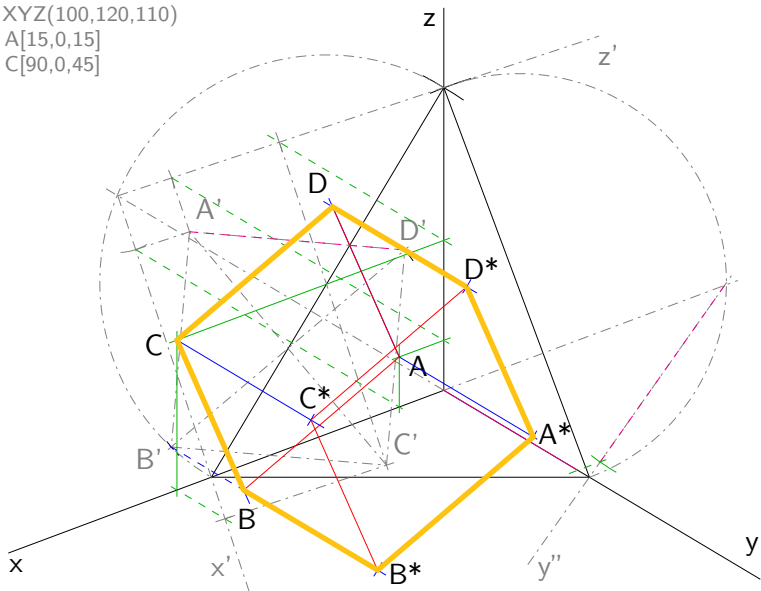


# Kolmá axonometrie - krychle

XYZ(100,120,110)

A[15,0,15]

C[90,0,45]

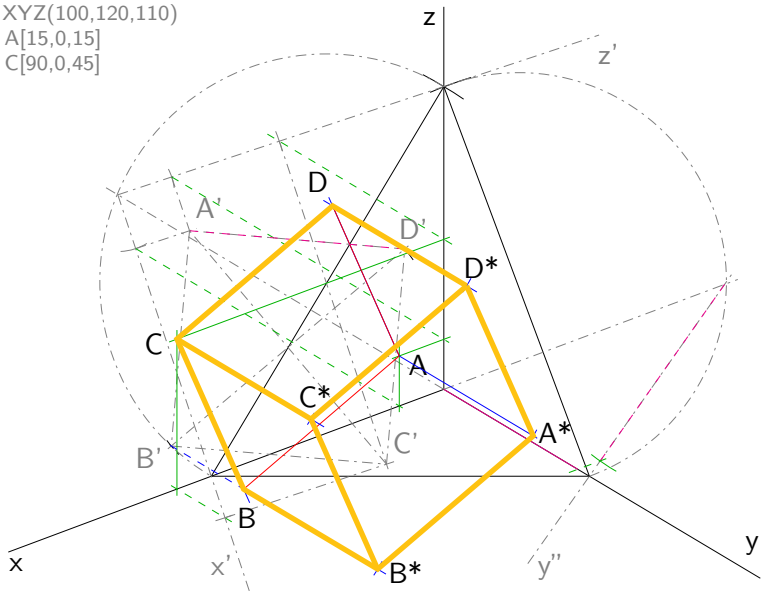


# Kolmá axonometrie - krychle

XYZ(100,120,110)

A[15,0,15]

C[90,0,45]

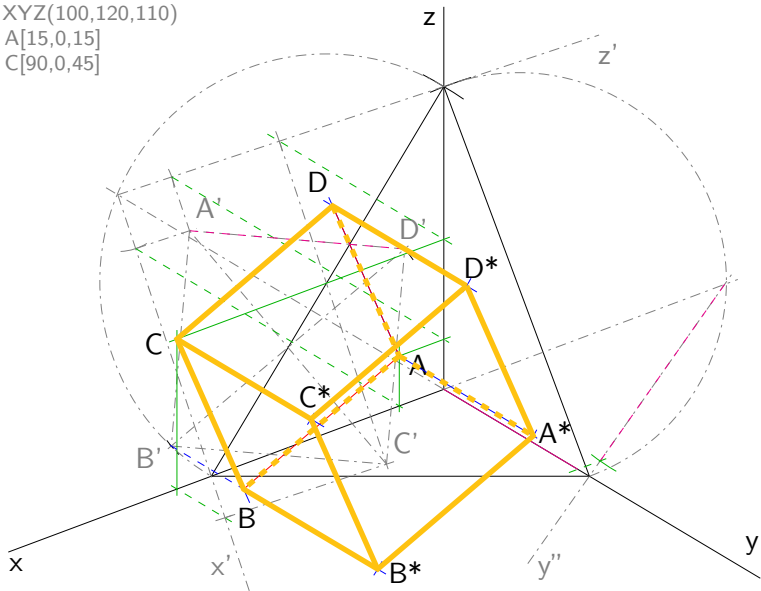


# Kolmá axonometrie - krychle

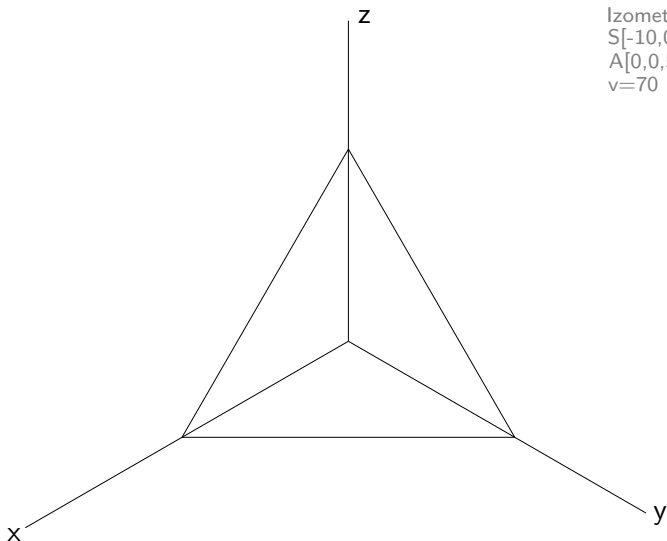
XYZ(100,120,110)

A[15,0,15]

C[90,0,45]

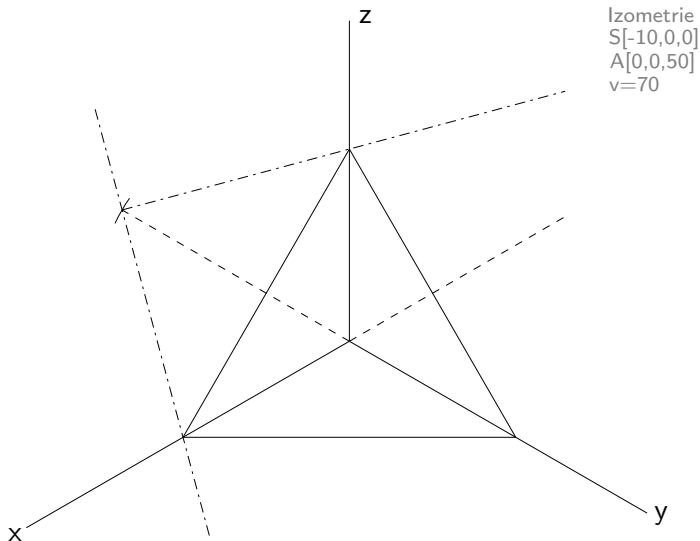


# Kolmá axonometrie - hranol

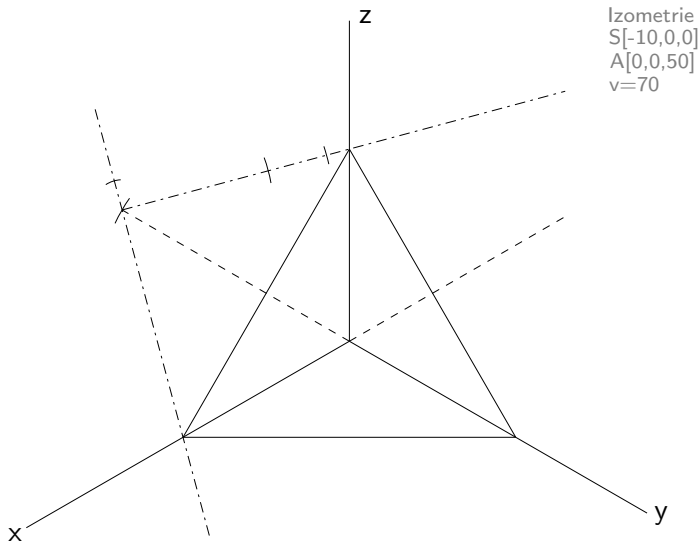


Izometrie  
 $S[-10,0,0]$   
 $A[0,0,50]$   
 $v=70$

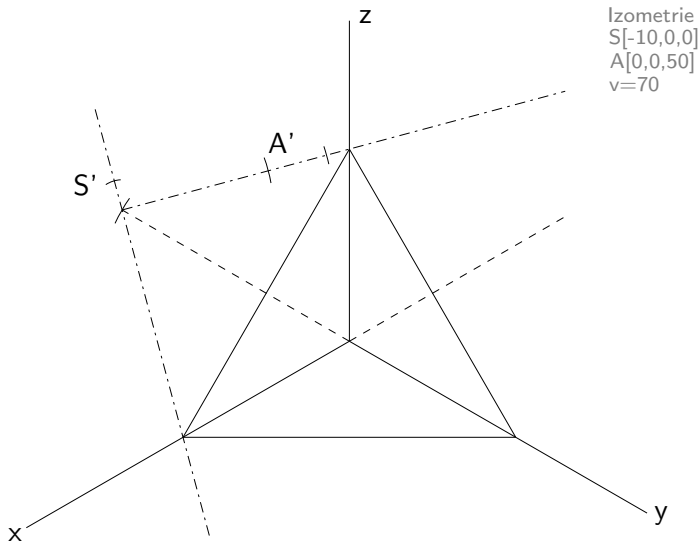
# Kolmá axonometrie - hranol



# Kolmá axonometrie - hranol

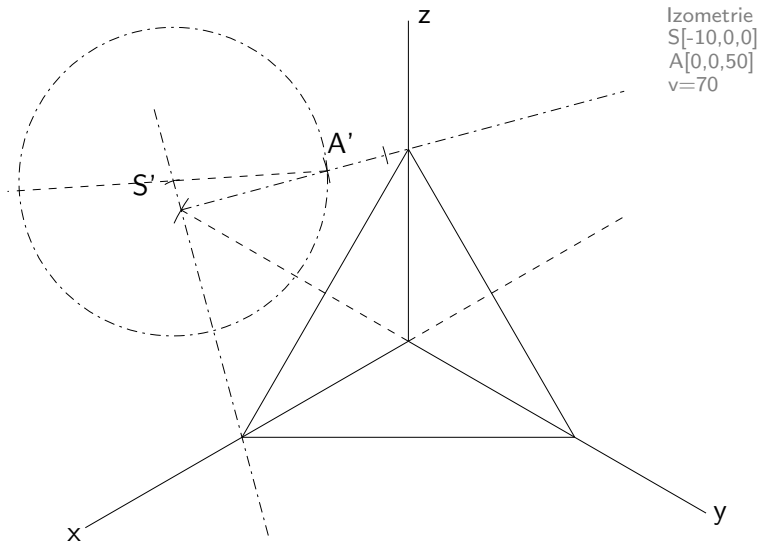


# Kolmá axonometrie - hranol

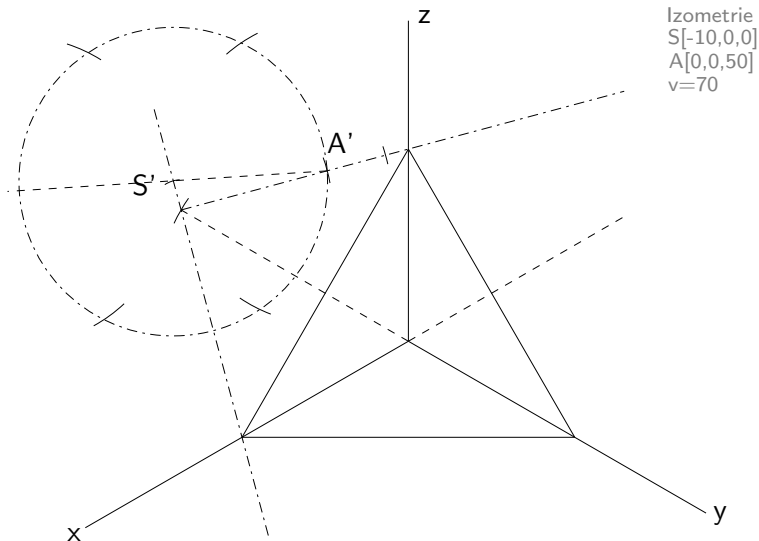




# Kolmá axonometrie - hranol

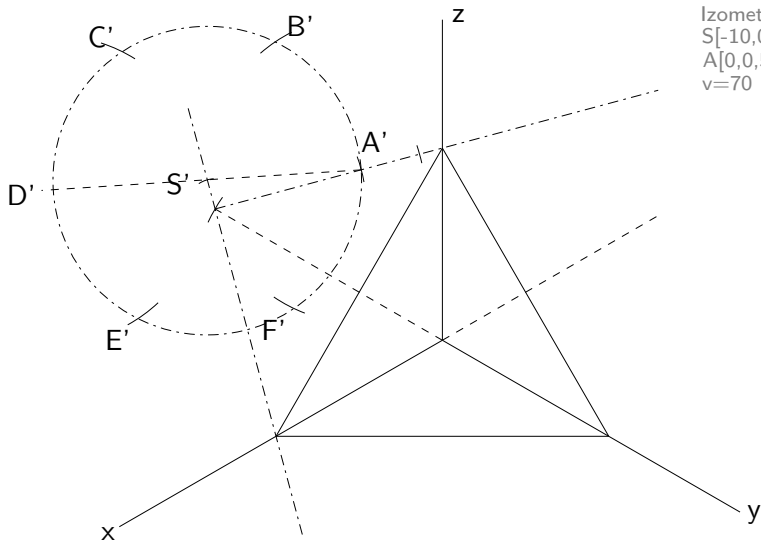


# Kolmá axonometrie - hranol



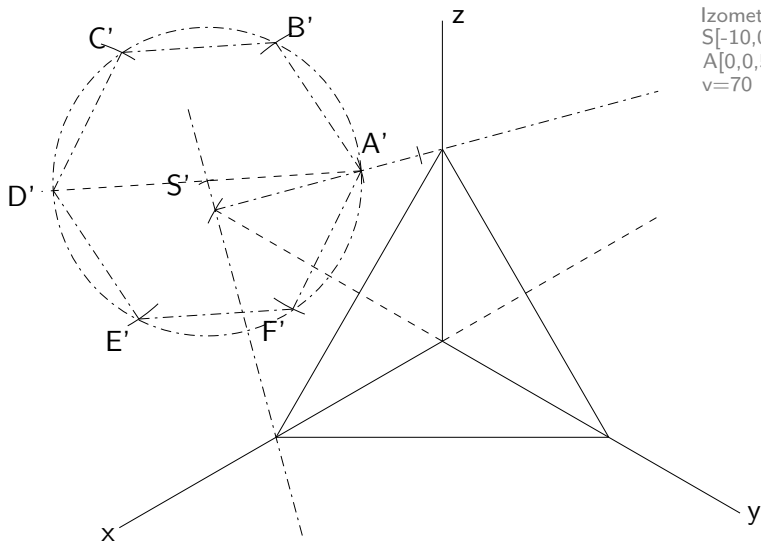
# Kolmá axonometrie - hranol

Izometrie  
 $S[-10,0,0]$   
 $A[0,0,50]$   
 $v=70$



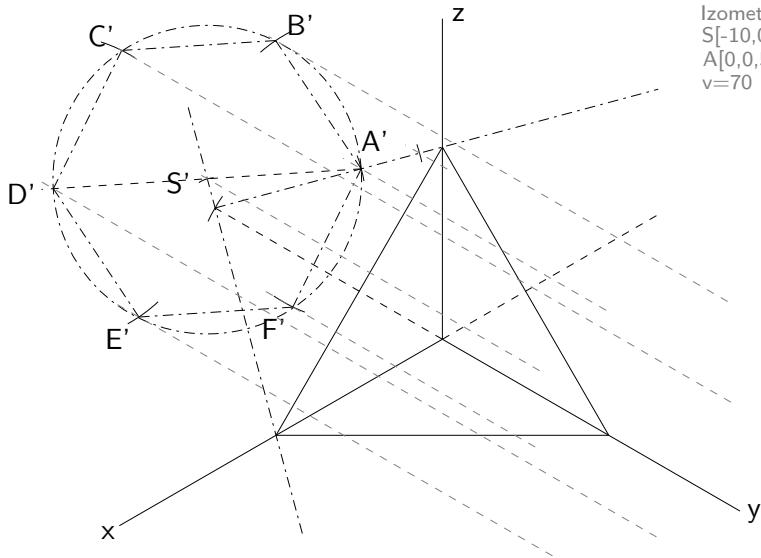
# Kolmá axonometrie - hranol

Izometrie  
 $S[-10,0,0]$   
 $A[0,0,50]$   
 $v=70$



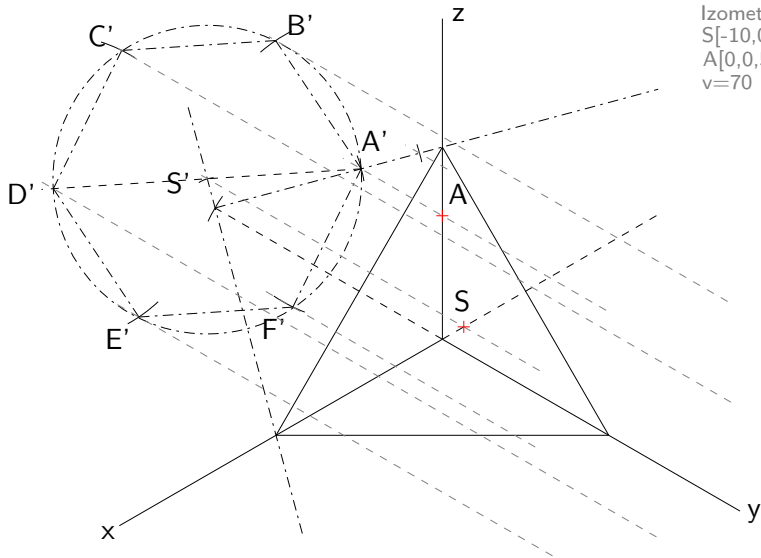
# Kolmá axonometrie - hranol

Izometrie  
 $S[-10,0,0]$   
 $A[0,0,50]$   
 $v=70$



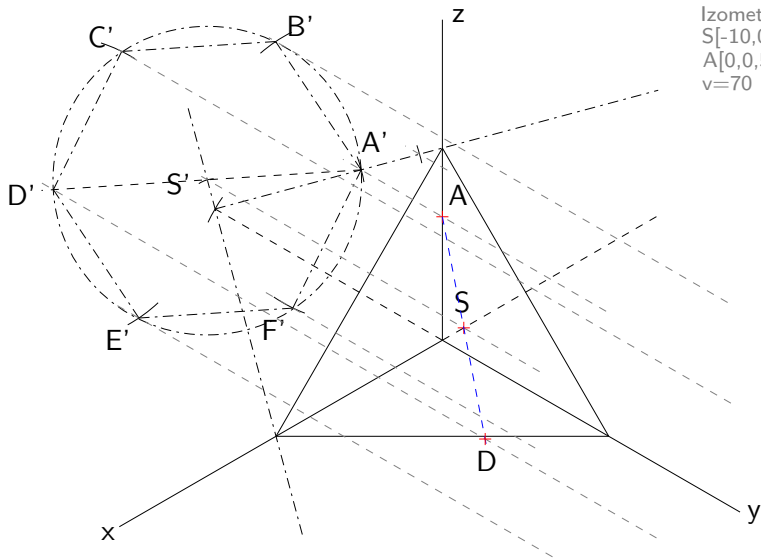
# Kolmá axonometrie - hranol

Izometrie  
 $S[-10,0,0]$   
 $A[0,0,50]$   
 $v=70$



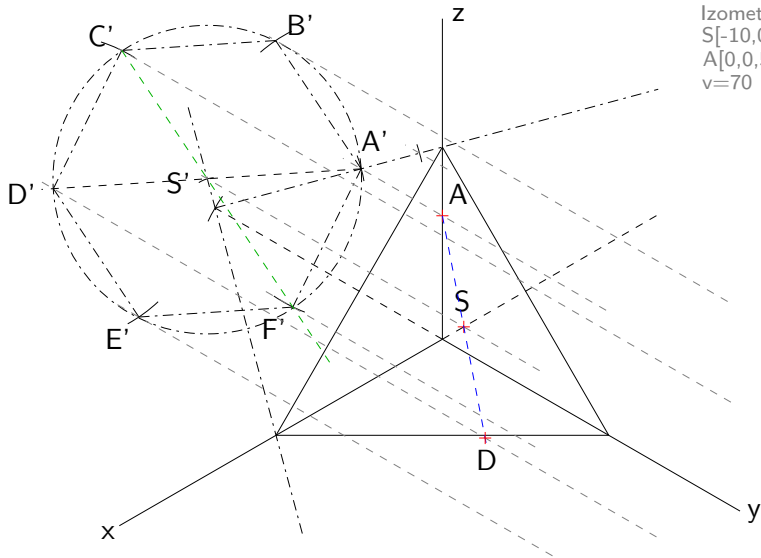
# Kolmá axonometrie - hranol

Izometrie  
 $S[-10,0,0]$   
 $A[0,0,50]$   
 $v=70$



# Kolmá axonometrie - hranol

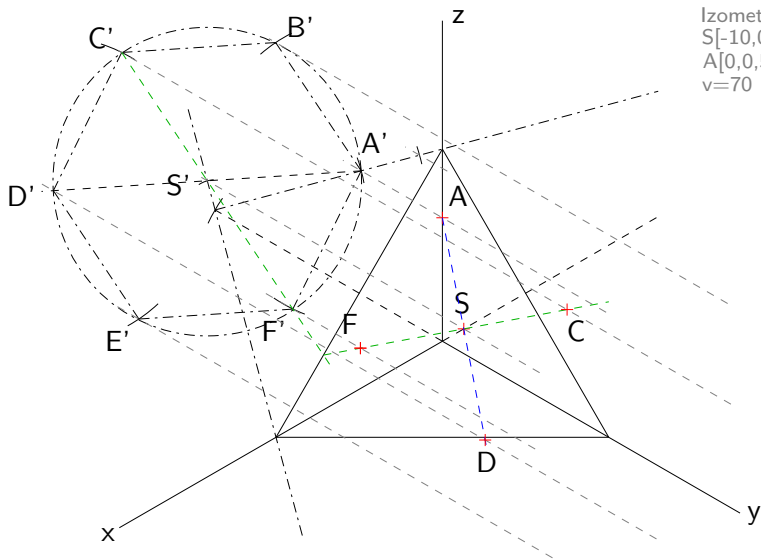
Izometrie  
 $S[-10,0,0]$   
 $A[0,0,50]$   
 $v=70$





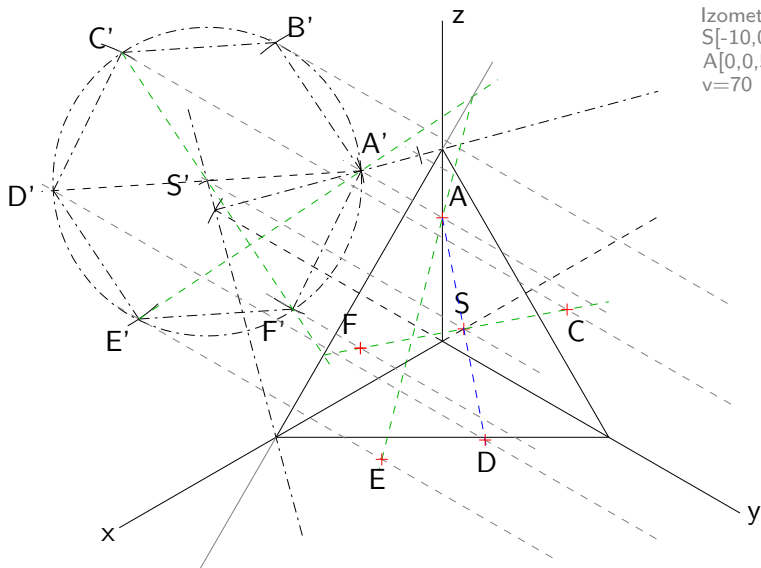
# Kolmá axonometrie - hranol

Izometrie  
 $S[-10,0,0]$   
 $A[0,0,50]$   
 $v=70$



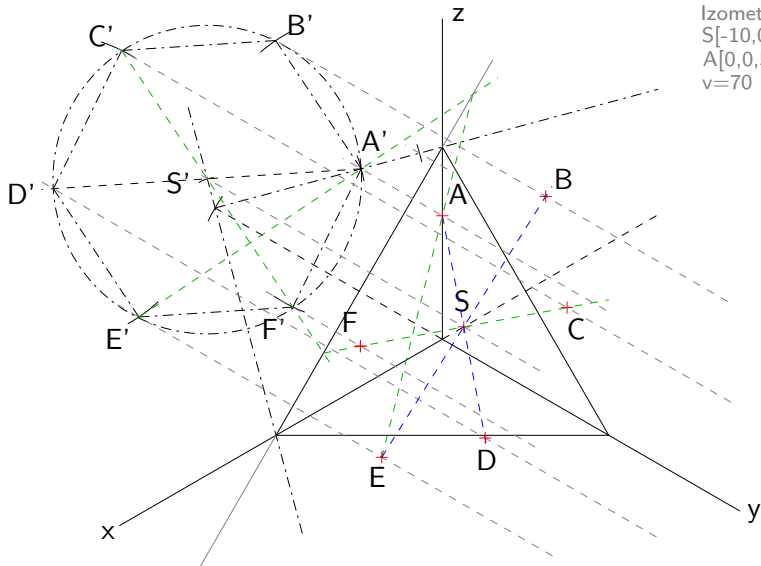
# Kolmá axonometrie - hranol

Izometrie  
 $S[-10,0,0]$   
 $A[0,0,50]$   
 $v=70$



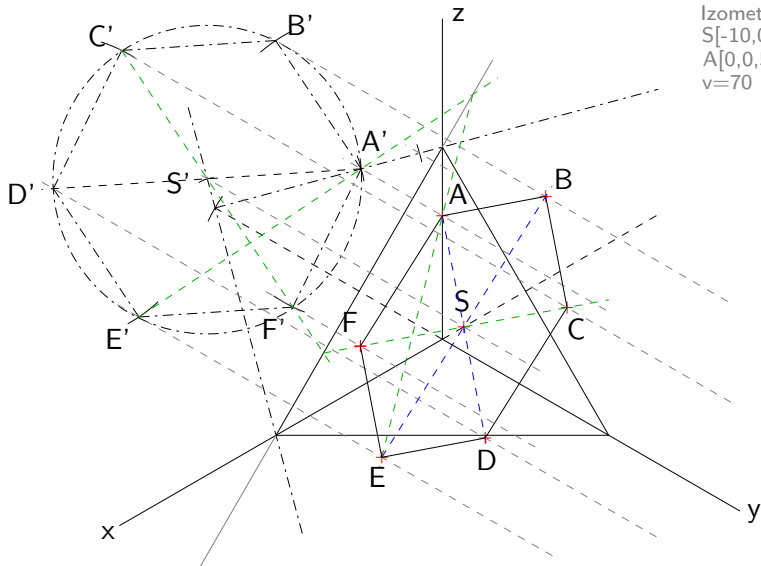
# Kolmá axonometrie - hranol

Izometrie  
 $S[-10,0,0]$   
 $A[0,0,50]$   
 $v=70$



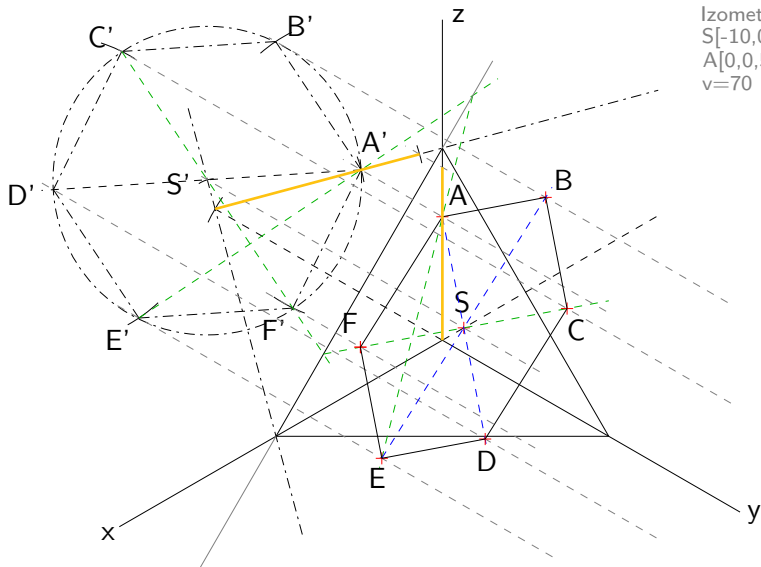
# Kolmá axonometrie - hranol

Izometrie  
 $S[-10,0,0]$   
 $A[0,0,50]$   
 $v=70$



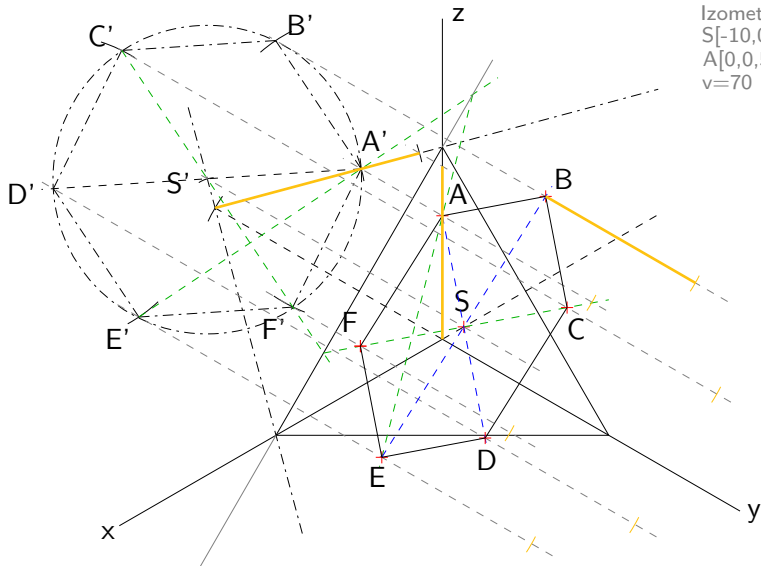
# Kolmá axonometrie - hranol

Izometrie  
 $S[-10,0,0]$   
 $A[0,0,50]$   
 $v=70$



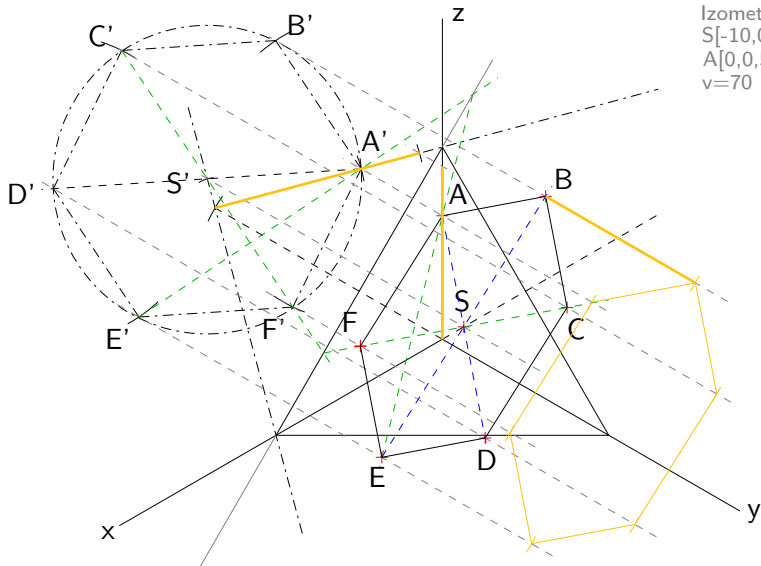
# Kolmá axonometrie - hranol

Izometrie  
 $S[-10,0,0]$   
 $A[0,0,50]$   
 $v=70$

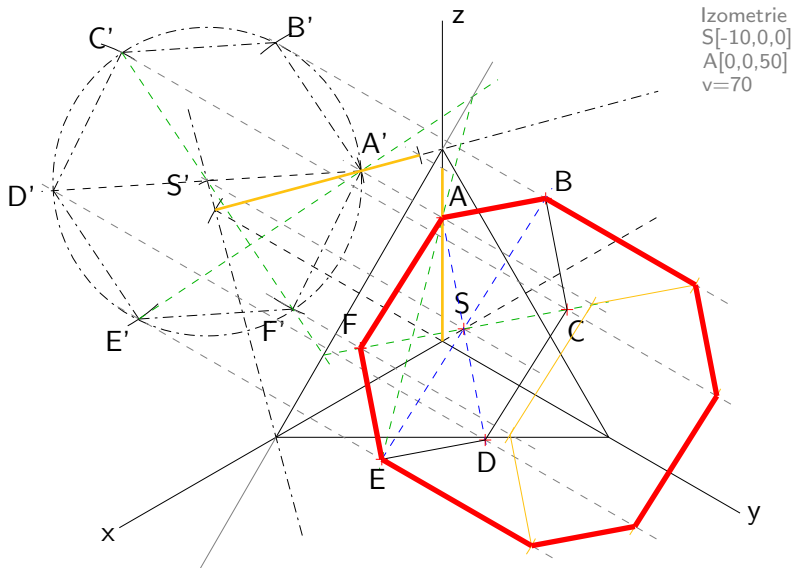


# Kolmá axonometrie - hranol

Izometrie  
 $S[-10,0,0]$   
 $A[0,0,50]$   
 $v=70$



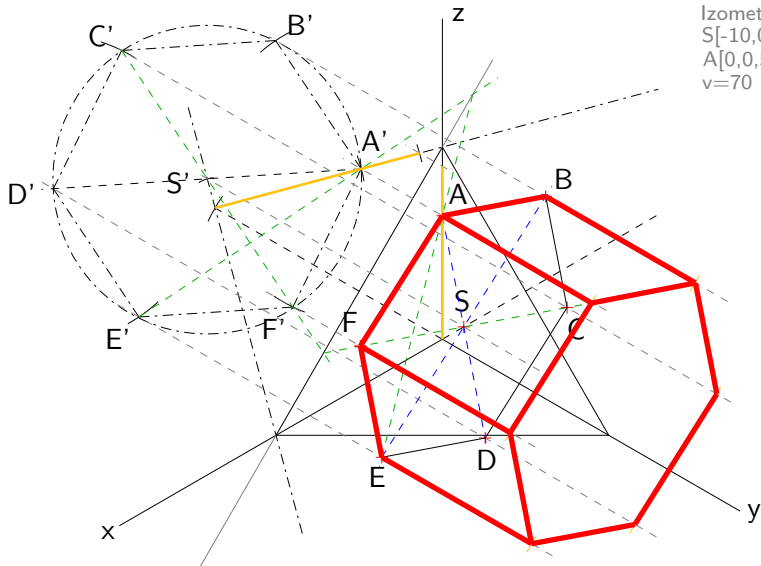
# Kolmá axonometrie - hranol





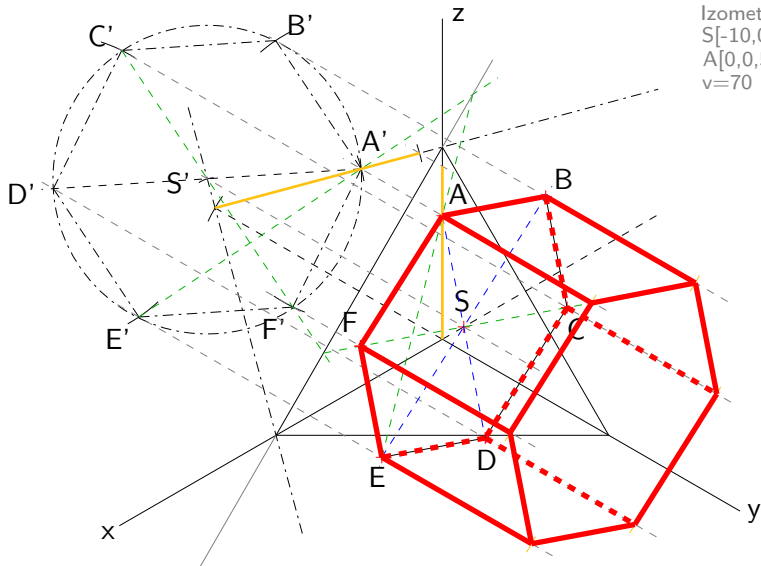
# Kolmá axonometrie - hranol

Izometrie  
 $S[-10,0,0]$   
 $A[0,0,50]$   
 $v=70$

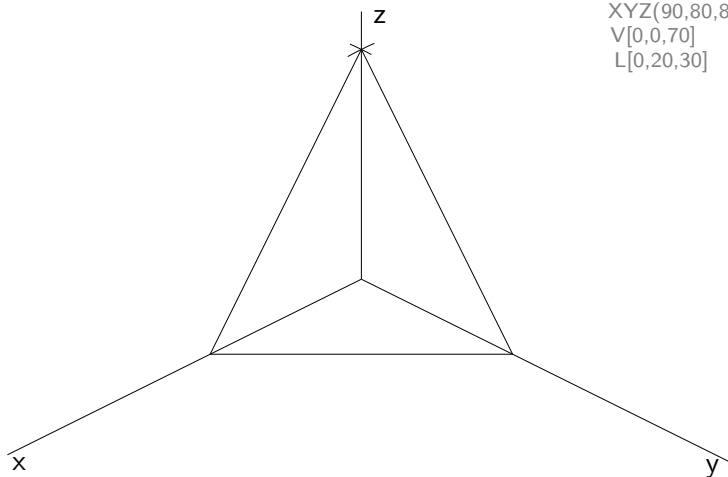


# Kolmá axonometrie - hranol

Izometrie  
 $S[-10,0,0]$   
 $A[0,0,50]$   
 $v=70$



# Kolmá axonometrie - kužel

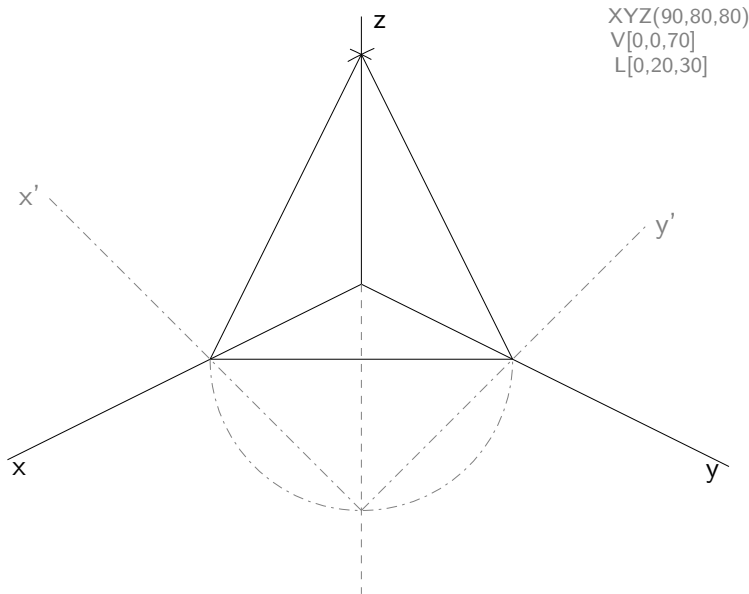


$XYZ(90,80,80)$

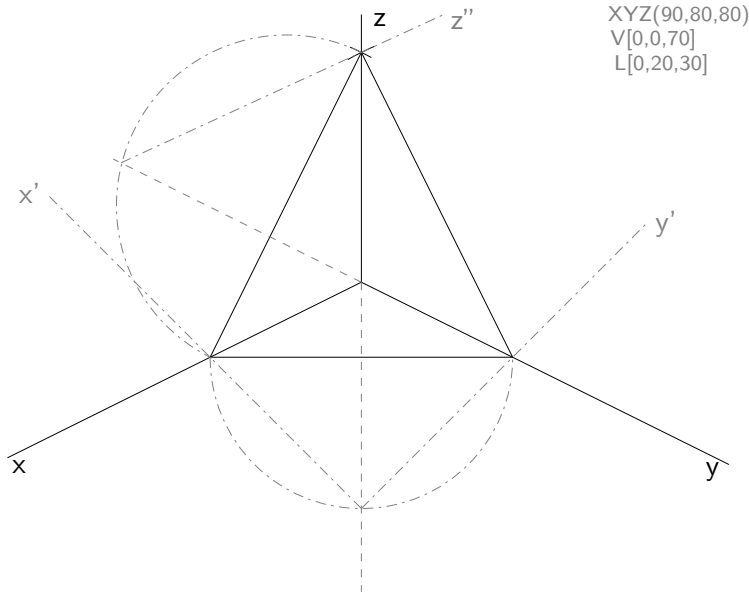
$V[0,0,70]$

$L[0,20,30]$

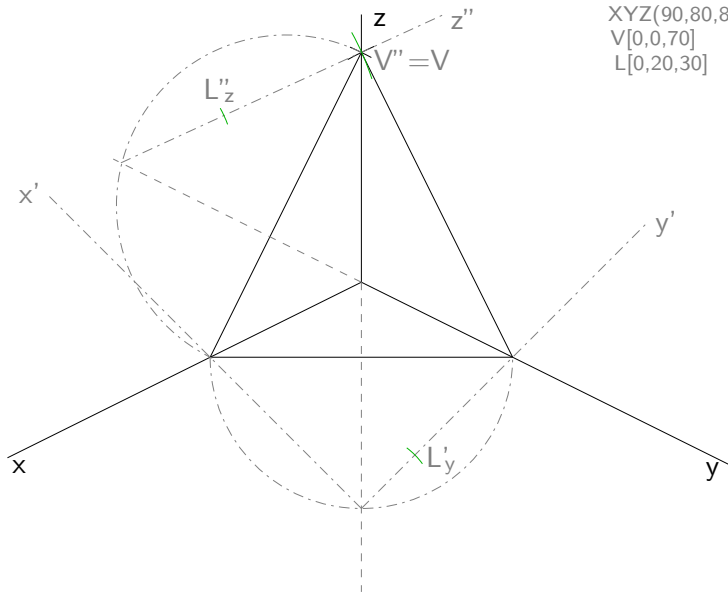
# Kolmá axonometrie - kužel



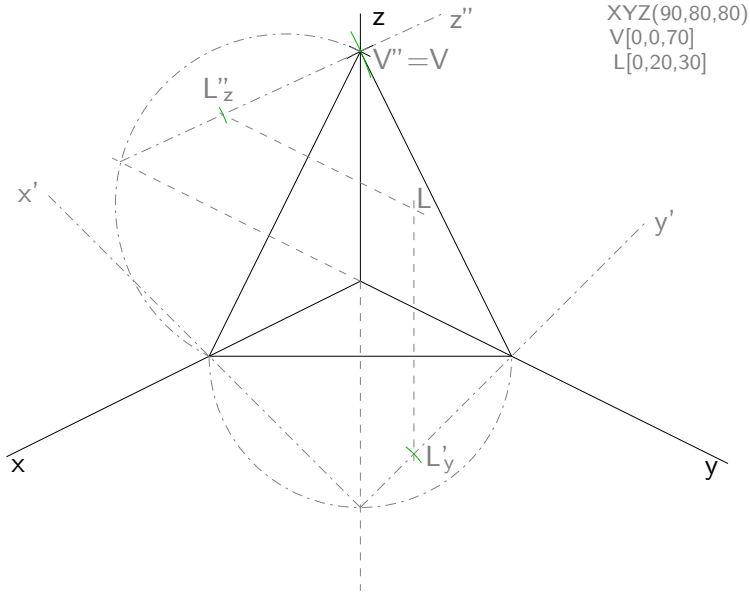
# Kolmá axonometrie - kužel



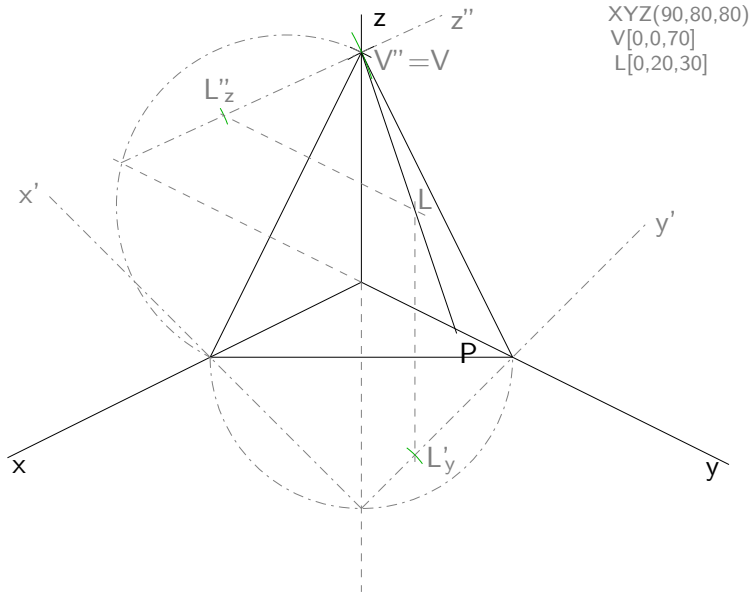
# Kolmá axonometrie - kužel



# Kolmá axonometrie - kužel

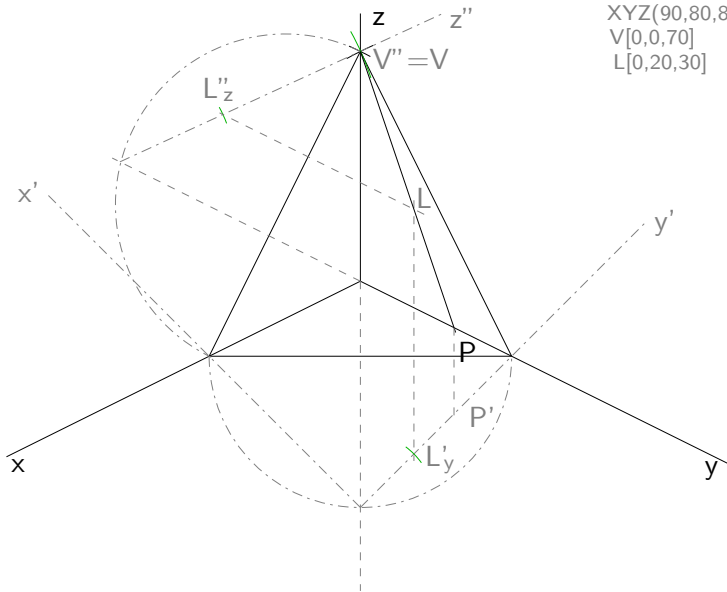


# Kolmá axonometrie - kužel





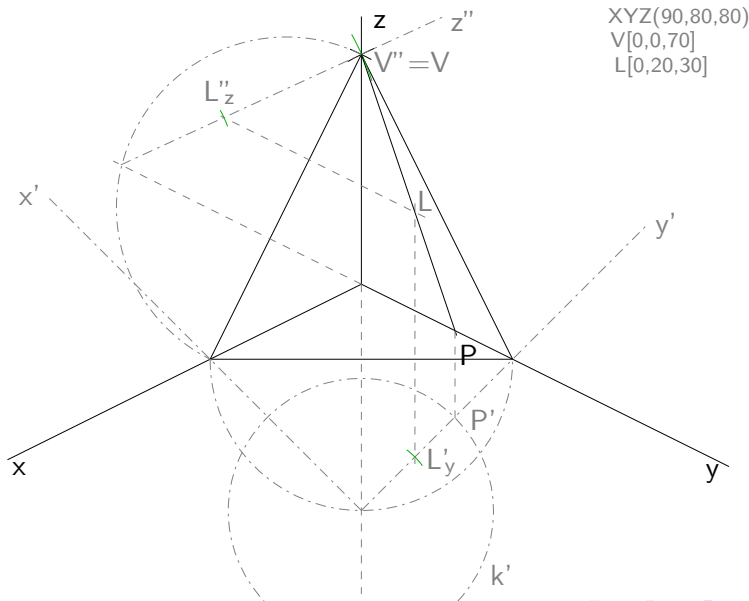
# Kolmá axonometrie - kužel



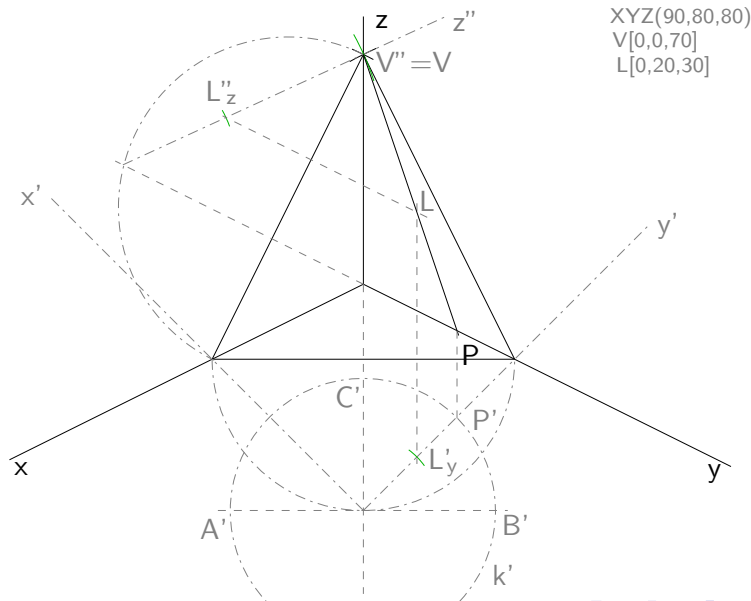
XYZ(90,80,80)

 $V[0,0,70]$  $L[0,20,30]$

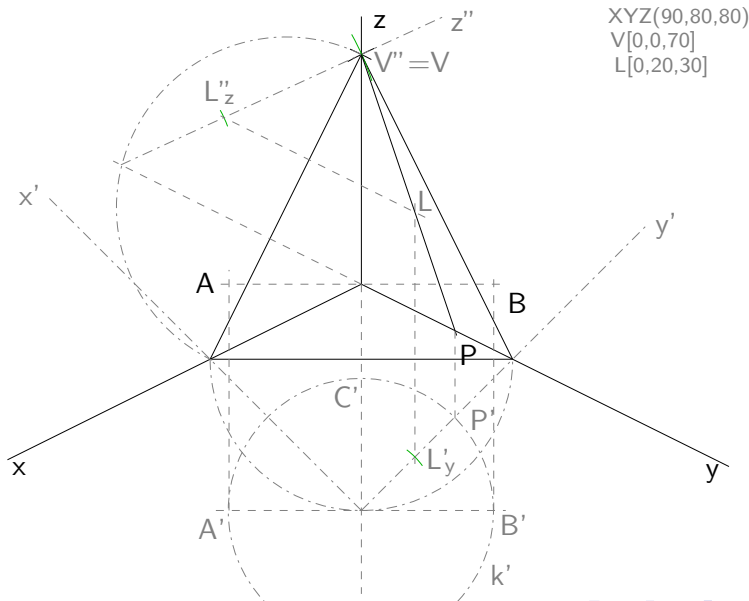
# Kolmá axonometrie - kužel



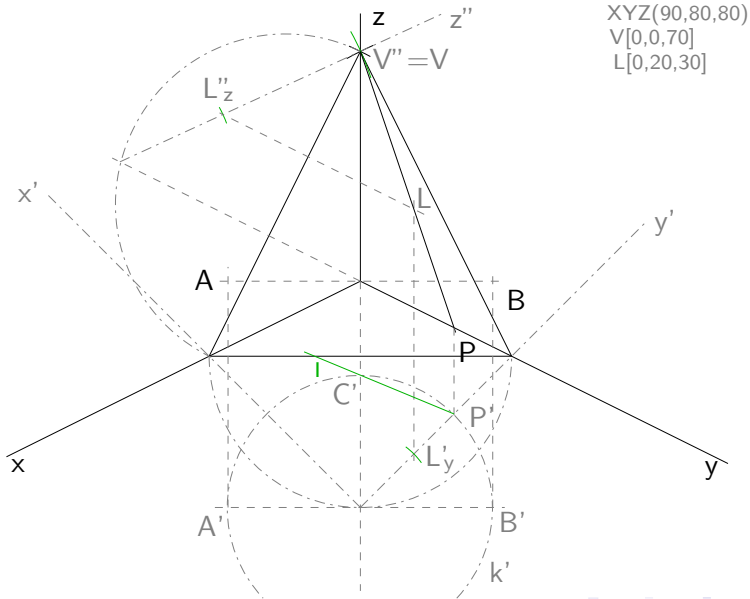
# Kolmá axonometrie - kužel



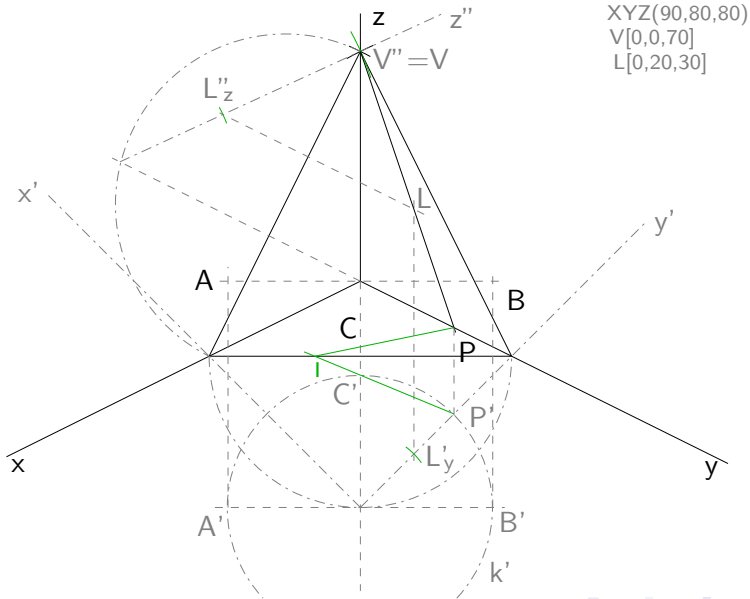
# Kolmá axonometrie - kužel



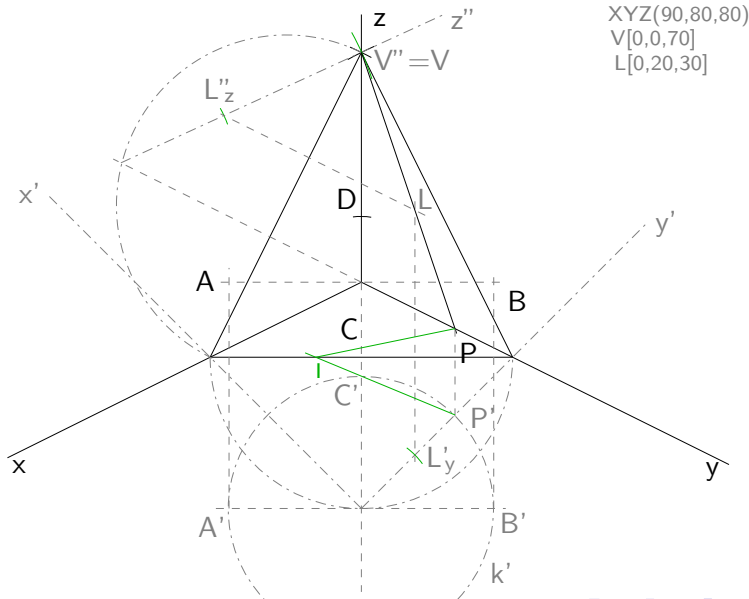
## Kolmá axonometrie - kužel



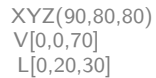
# Kolmá axonometrie - kužel



# Kolmá axonometrie - kužel

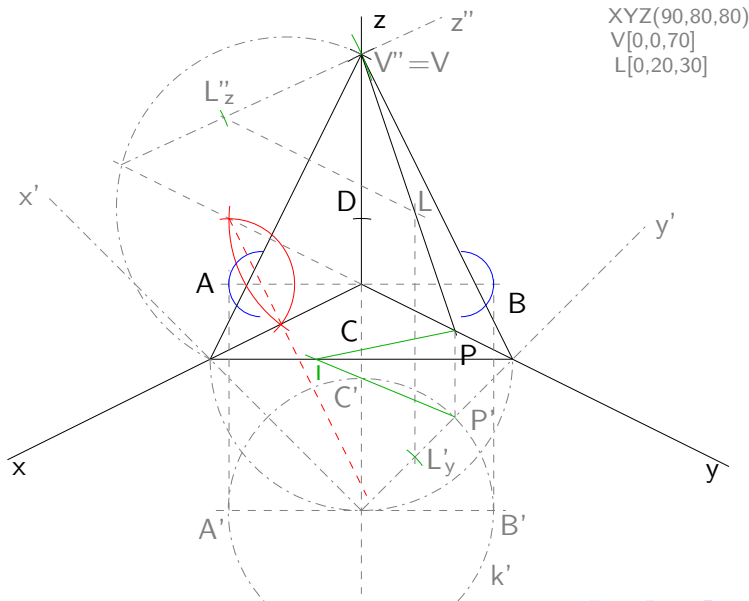


# Kolmá axonometrie - kužel





# Kolmá axonometrie - kužel

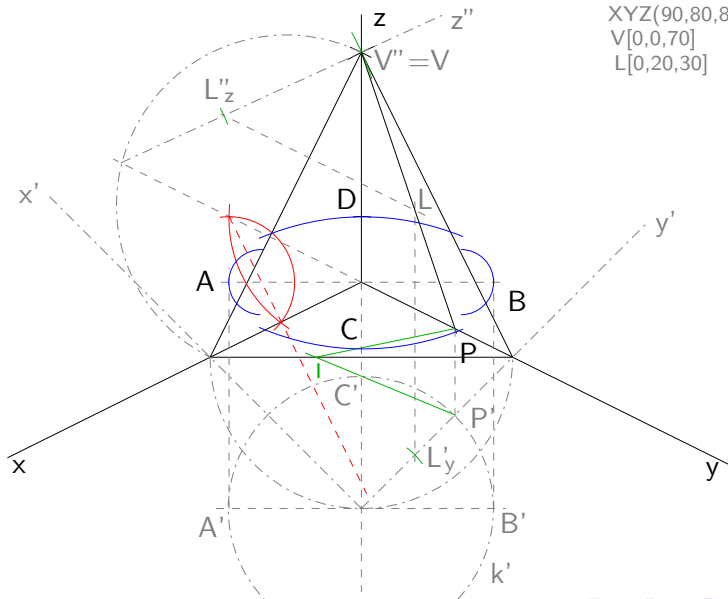


XYZ(90,80,80)

V[0,0,70]

L[0,20,30]

# Kolmá axonometrie - kužel

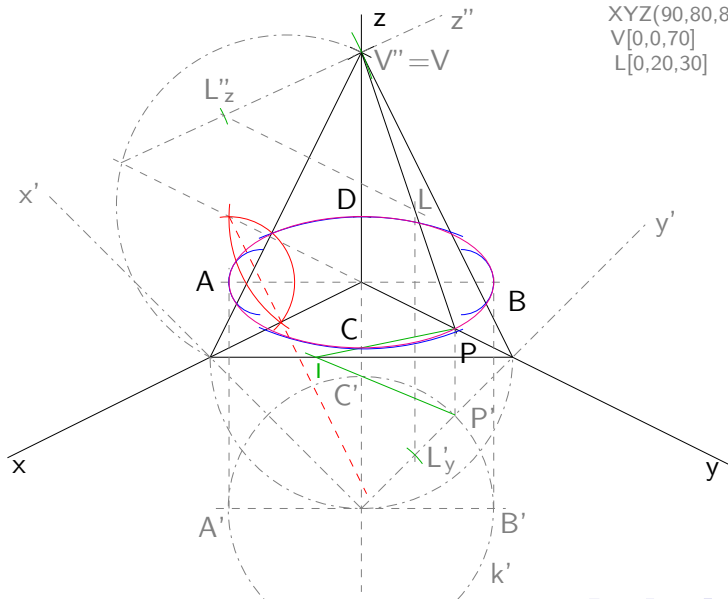


XYZ(90,80,80)

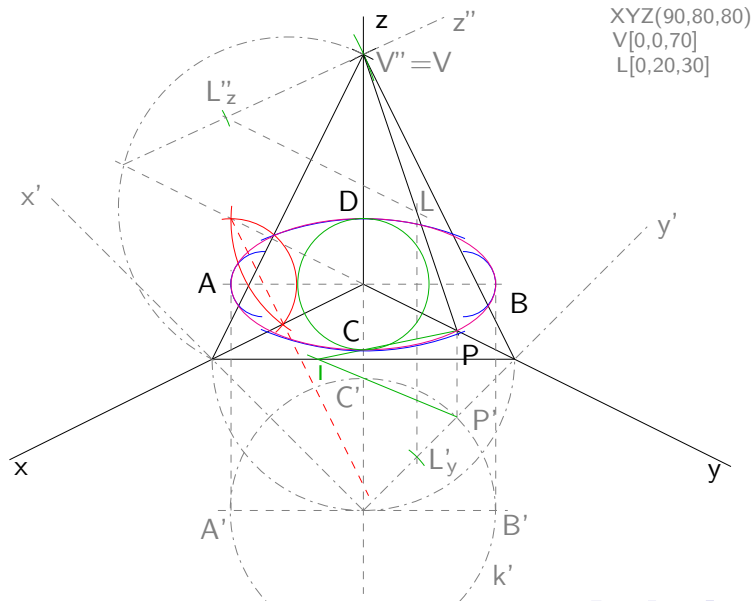
V[0,0,70]

L[0,20,30]

# Kolmá axonometrie - kužel

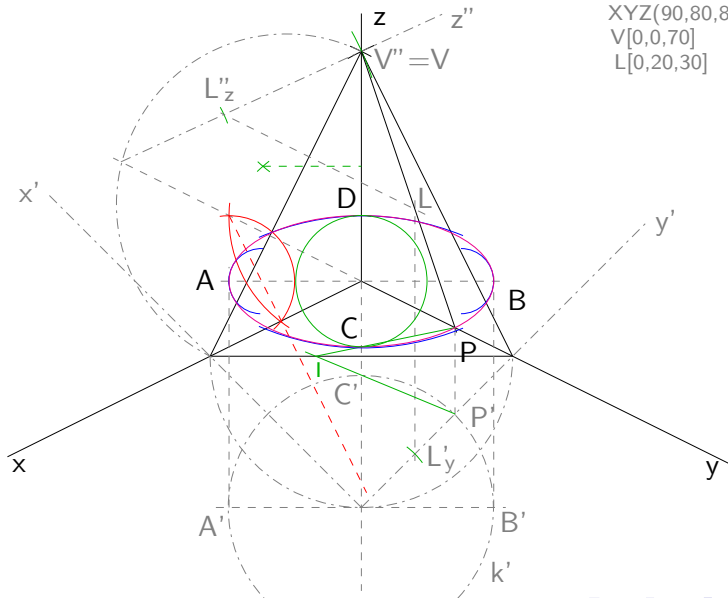


# Kolmá axonometrie - kužel

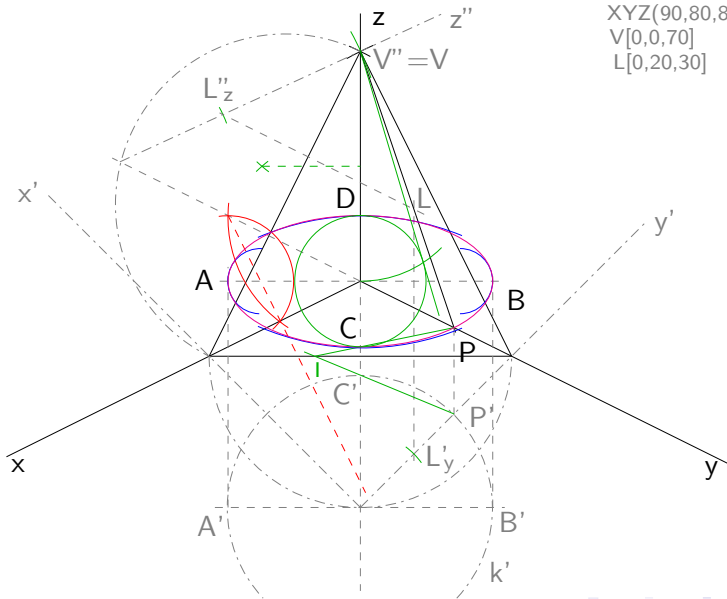


# Kolmá axonometrie - kužel

XYZ(90,80,80)

 $V[0,0,70]$  $L[0,20,30]$ 

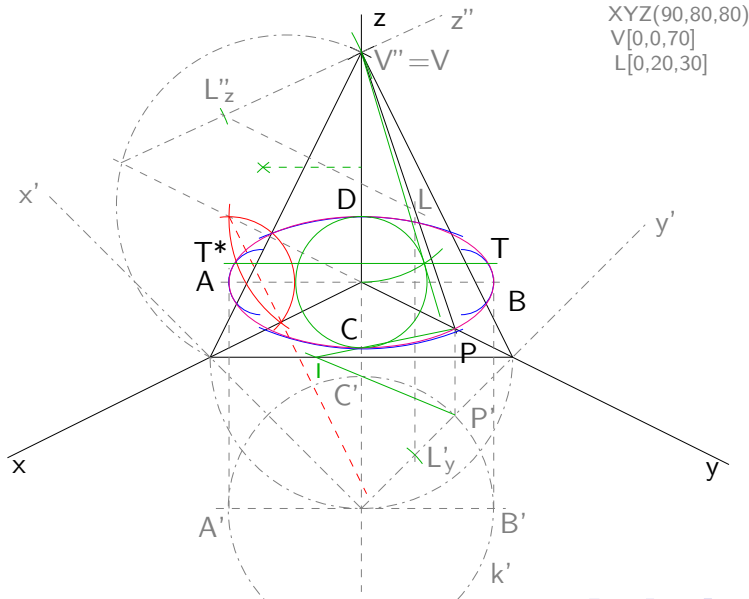
# Kolmá axonometrie - kužel



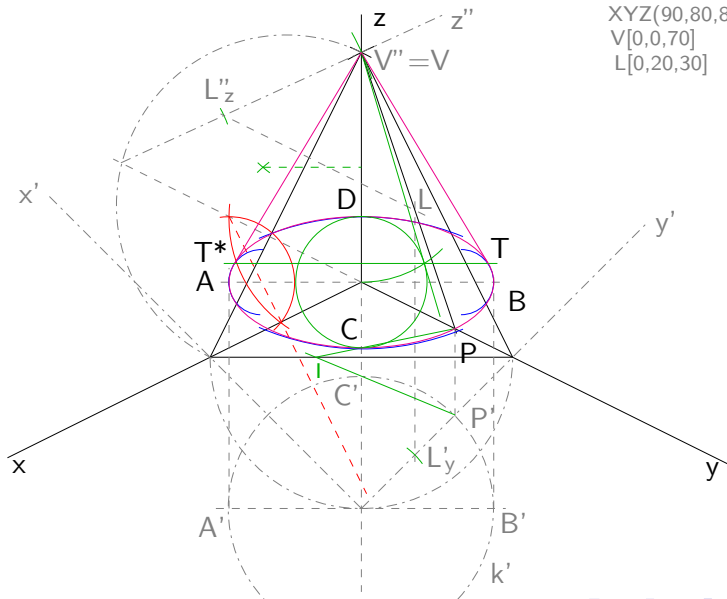
XYZ(90,80,80)

 $V[0,0,70]$  $L[0,20,30]$

# Kolmá axonometrie - kužel



# Kolmá axonometrie - kužel



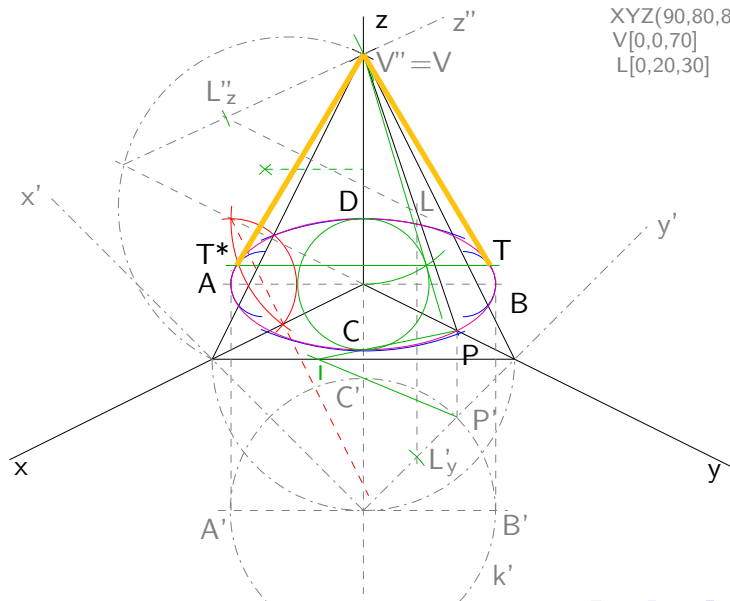
XYZ(90,80,80)

V[0,0,70]

L[0,20,30]



# Kolmá axonometrie - kužel

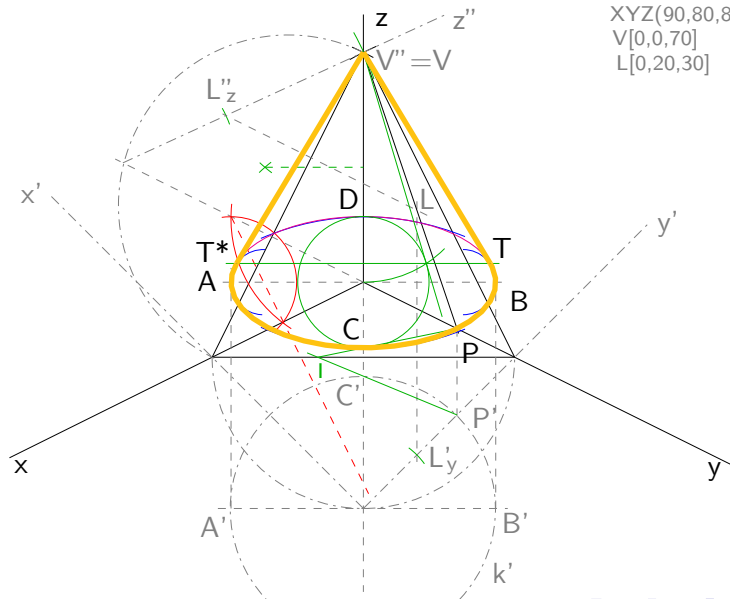


XYZ(90,80,80)

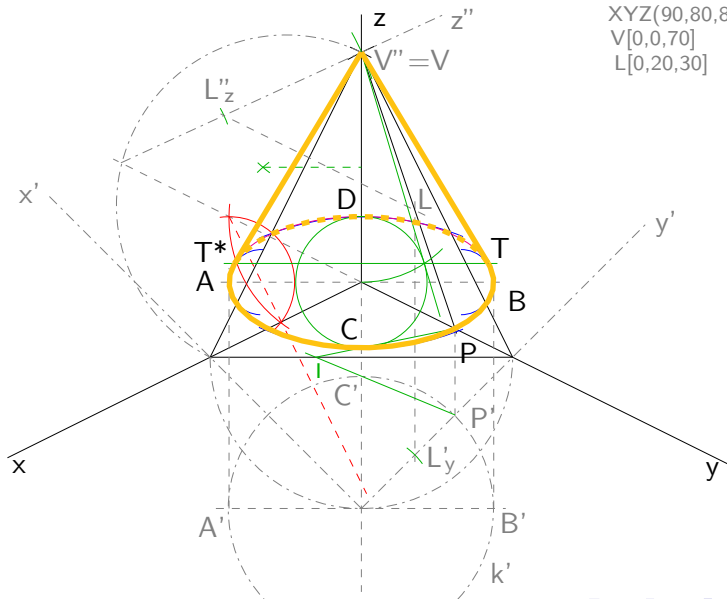
V[0,0,70]

L[0,20,30]

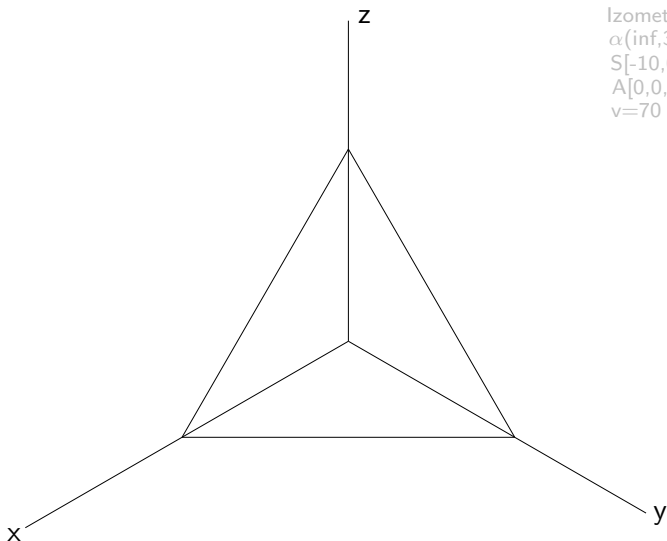
# Kolmá axonometrie - kužel



# Kolmá axonometrie - kužel

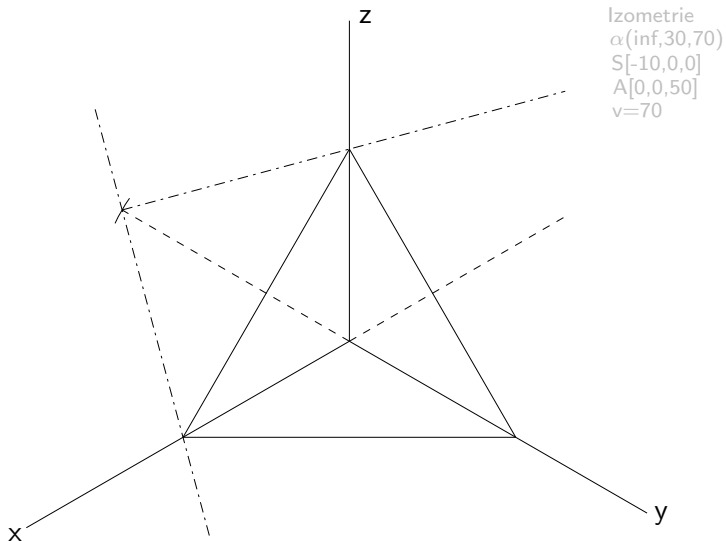


# Kolmá axonometrie - řez hranolu

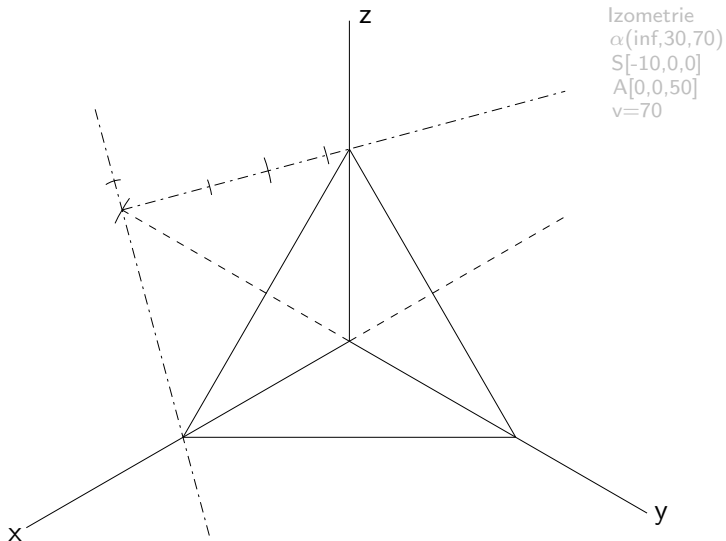


Izometrie  
 $\alpha(\text{inf}, 30, 70)$   
 $S[-10, 0, 0]$   
 $A[0, 0, 50]$   
 $v=70$

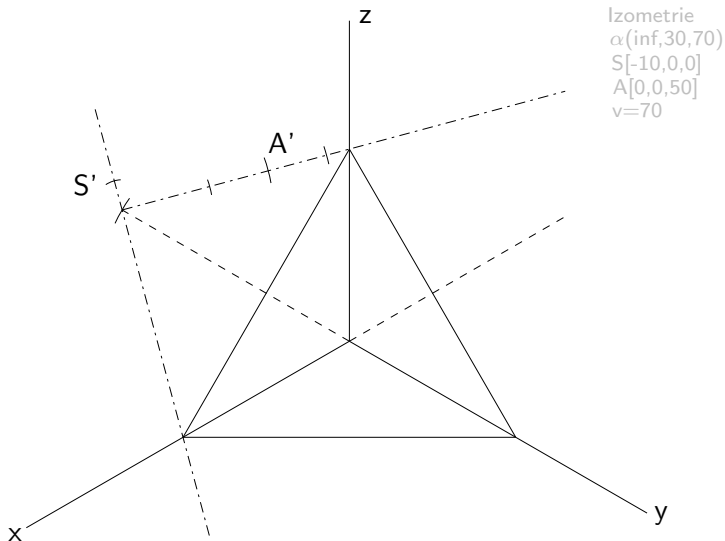
# Kolmá axonometrie - řez hranolu



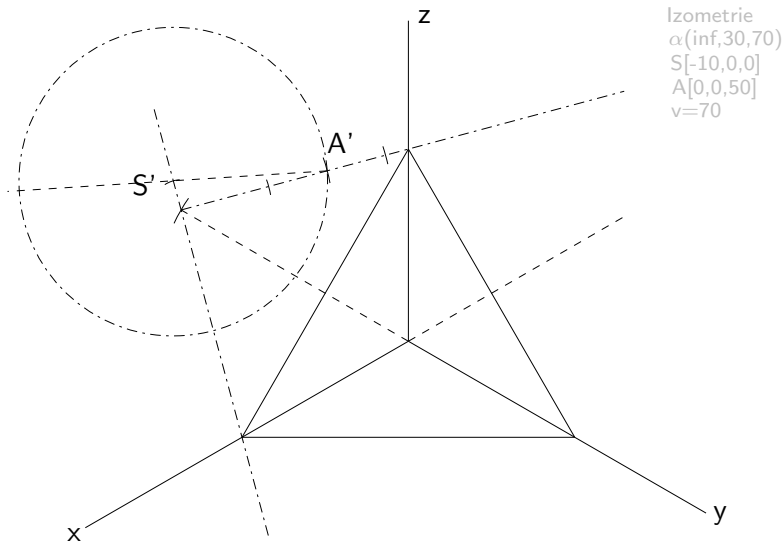
# Kolmá axonometrie - řez hranolu



# Kolmá axonometrie - řez hranolu

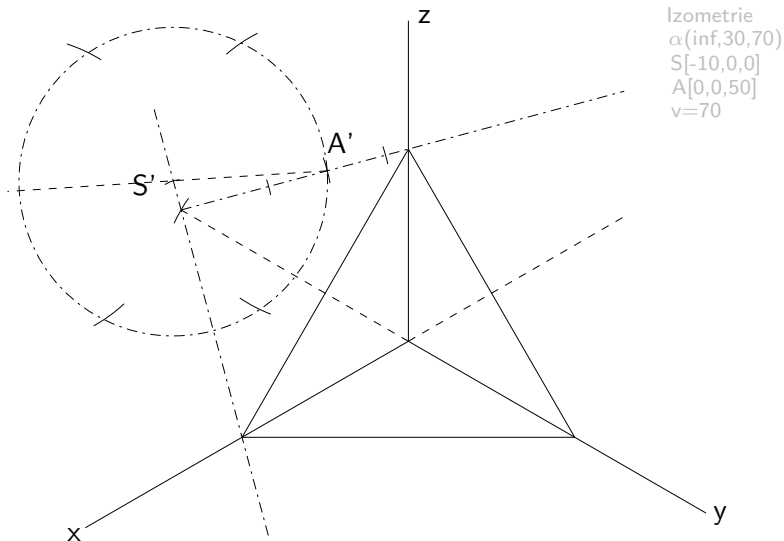


# Kolmá axonometrie - řez hranolu



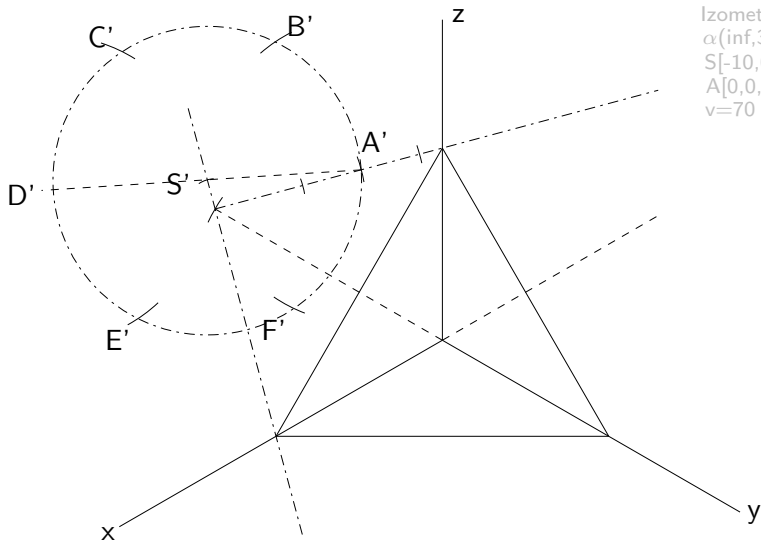


# Kolmá axonometrie - řez hranolu



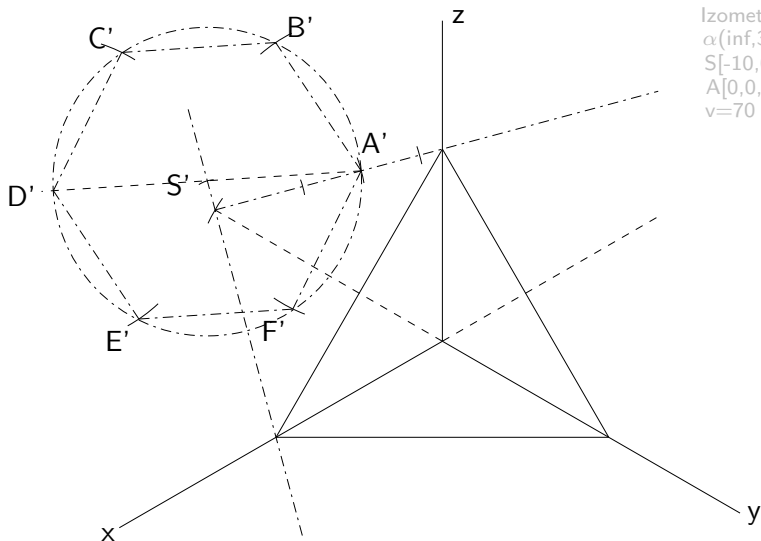
# Kolmá axonometrie - řez hranolu

Izometrie  
 $\alpha(\text{inf}, 30, 70)$   
 $S[-10, 0, 0]$   
 $A[0, 0, 50]$   
 $v=70$



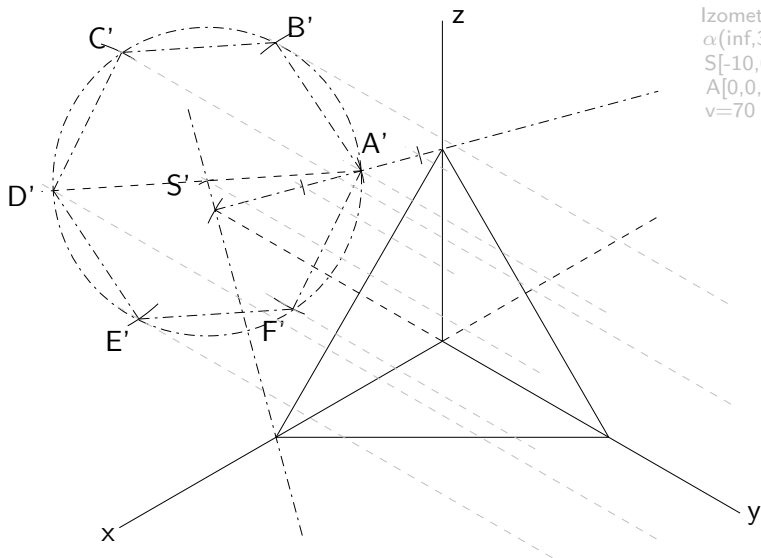
# Kolmá axonometrie - řez hranolu

Izometrie  
 $\alpha(\text{inf}, 30, 70)$   
 $S[-10, 0, 0]$   
 $A[0, 0, 50]$   
 $v=70$



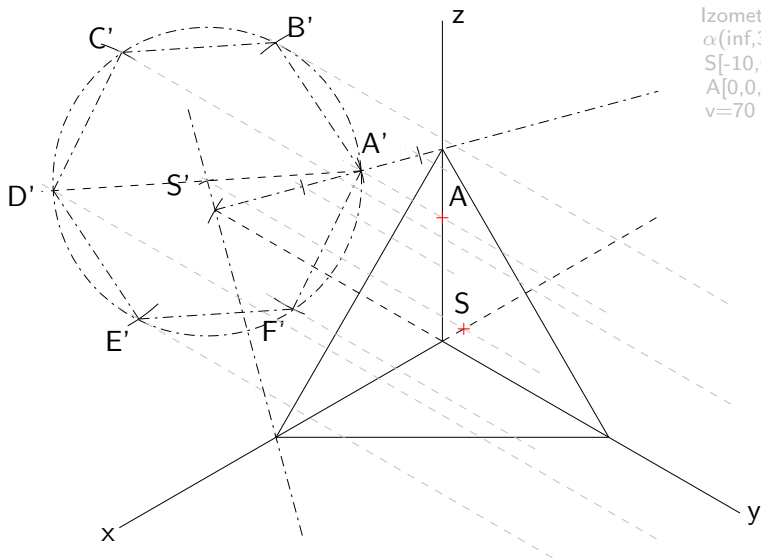
# Kolmá axonometrie - řez hranolu

Izometrie  
 $\alpha(\text{inf}, 30, 70)$   
 $S[-10, 0, 0]$   
 $A[0, 0, 50]$   
 $v=70$



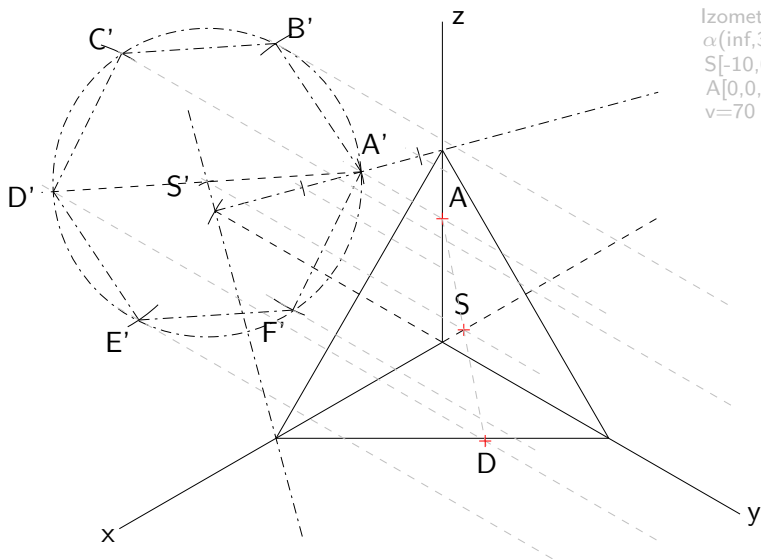
# Kolmá axonometrie - řez hranolu

Izometrie  
 $\alpha(\text{inf}, 30, 70)$   
 $S[-10, 0, 0]$   
 $A[0, 0, 50]$   
 $v=70$



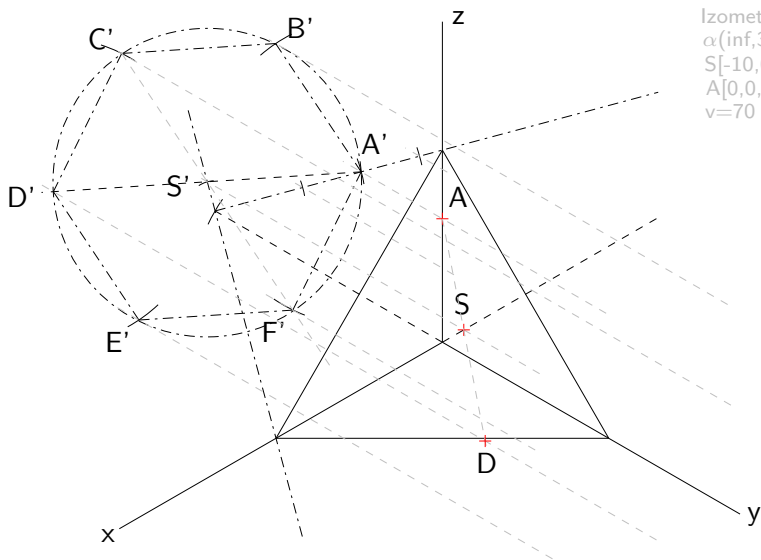
# Kolmá axonometrie - řez hranolu

Izometrie  
 $\alpha(\text{inf}, 30, 70)$   
 $S[-10, 0, 0]$   
 $A[0, 0, 50]$   
 $v=70$

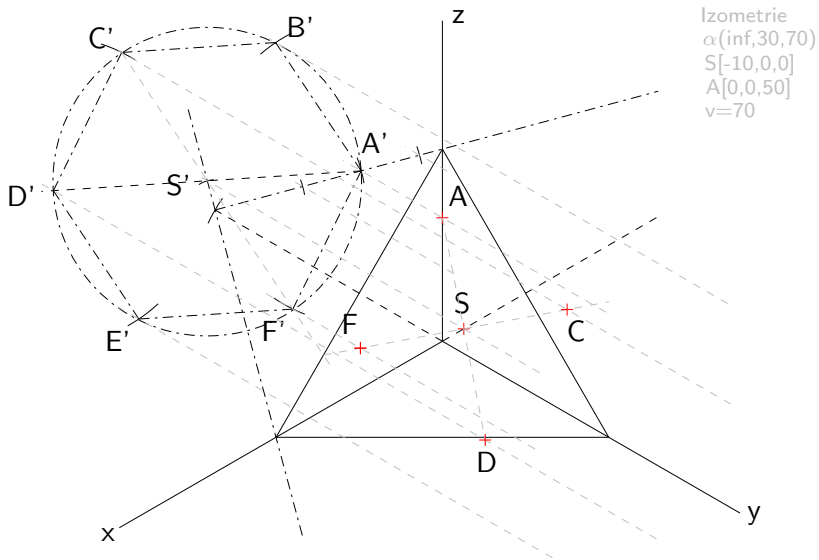


# Kolmá axonometrie - řez hranolu

Izometrie  
 $\alpha(\text{inf}, 30, 70)$   
 $S[-10, 0, 0]$   
 $A[0, 0, 50]$   
 $v=70$

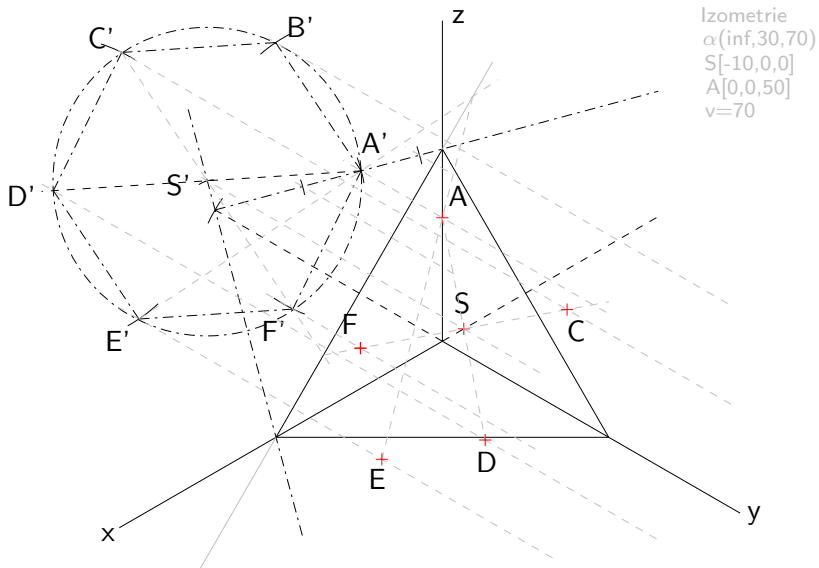


## Kolmá axonometrie - řez hranolu

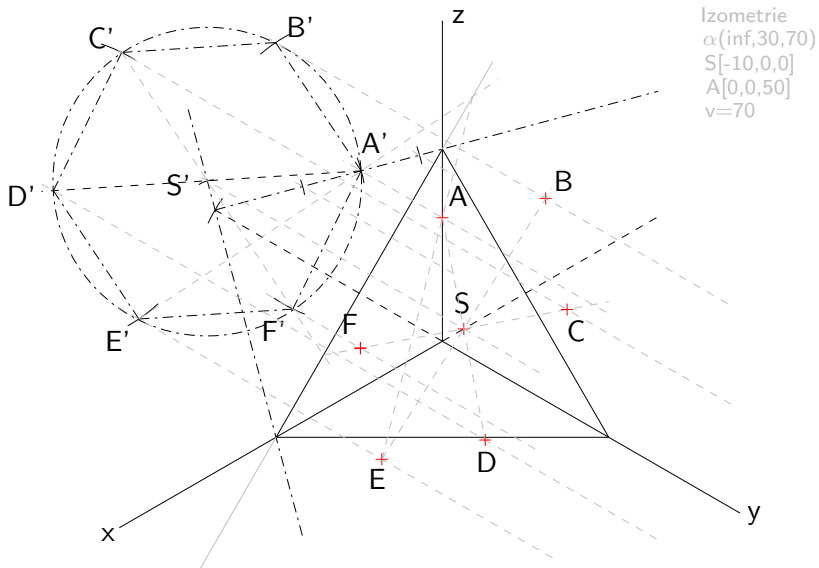




## Kolmá axonometrie - řez hranolu

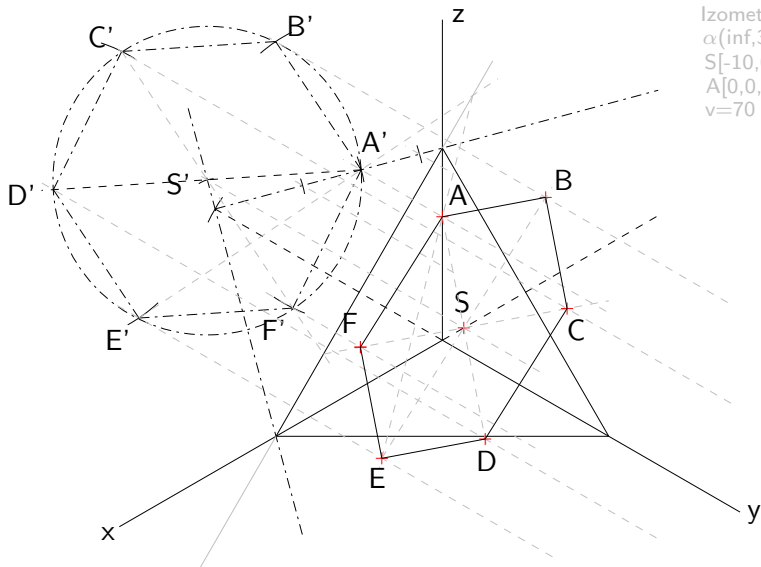


## Kolmá axonometrie - řez hranolu



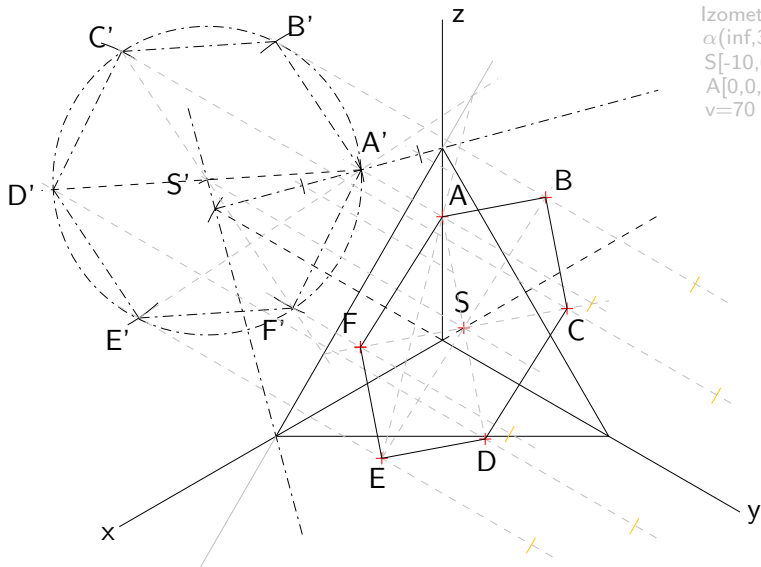
# Kolmá axonometrie - řez hranolu

Izometrie  
 $\alpha(\text{inf}, 30, 70)$   
 $S[-10, 0, 0]$   
 $A[0, 0, 50]$   
 $v=70$



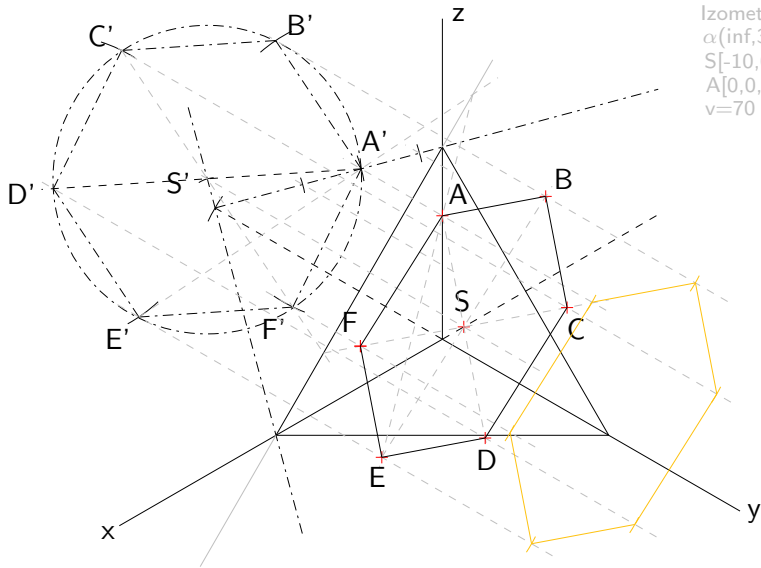
# Kolmá axonometrie - řez hranolu

Izometrie  
 $\alpha(\text{inf}, 30, 70)$   
 $S[-10, 0, 0]$   
 $A[0, 0, 50]$   
 $v=70$



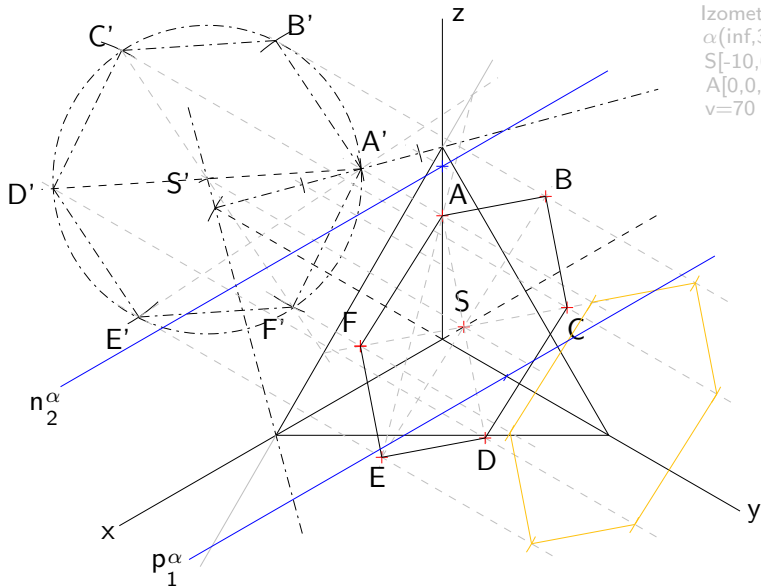
# Kolmá axonometrie - řez hranolu

Izometrie  
 $\alpha(\text{inf}, 30, 70)$   
 $S[-10, 0, 0]$   
 $A[0, 0, 50]$   
 $v=70$



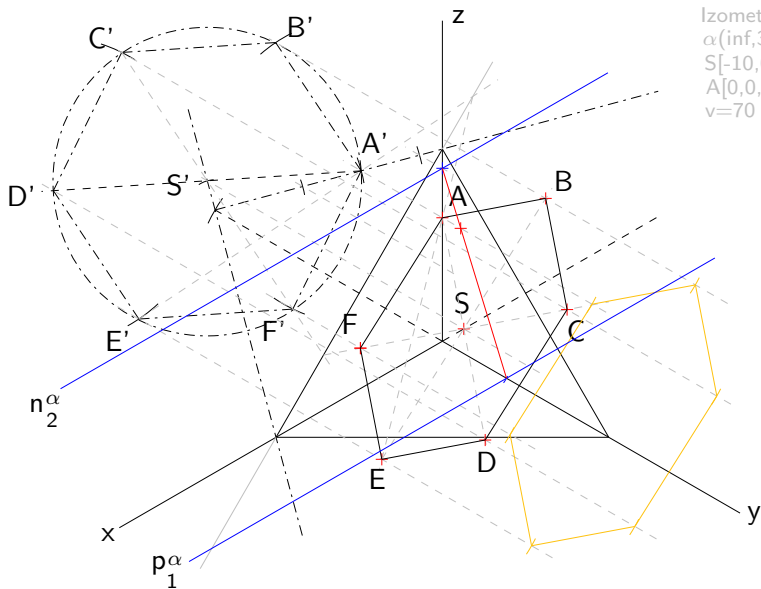
# Kolmá axonometrie - řez hranolu

Izometrie  
 $\alpha(\text{inf}, 30, 70)$   
 $S[-10, 0, 0]$   
 $A[0, 0, 50]$   
 $v=70$



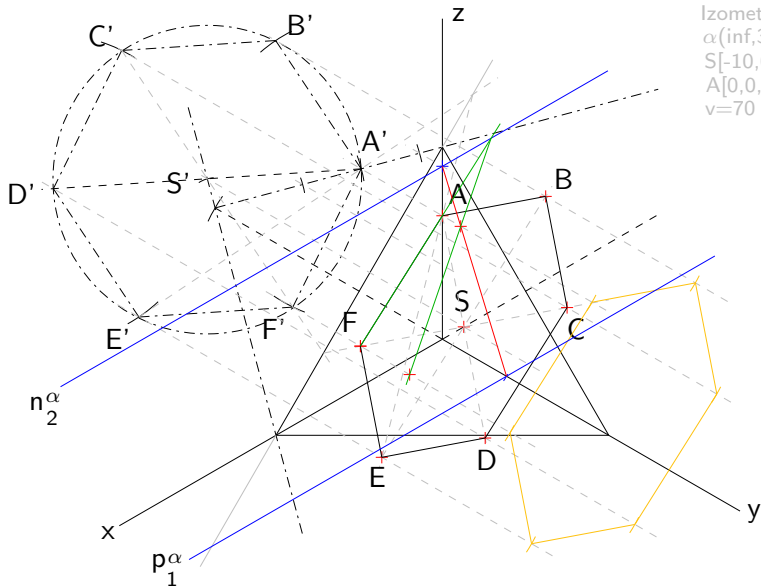
# Kolmá axonometrie - řez hranolu

Izometrie  
 $\alpha(\text{inf}, 30, 70)$   
 $S[-10, 0, 0]$   
 $A[0, 0, 50]$   
 $v=70$



# Kolmá axonometrie - řez hranolu

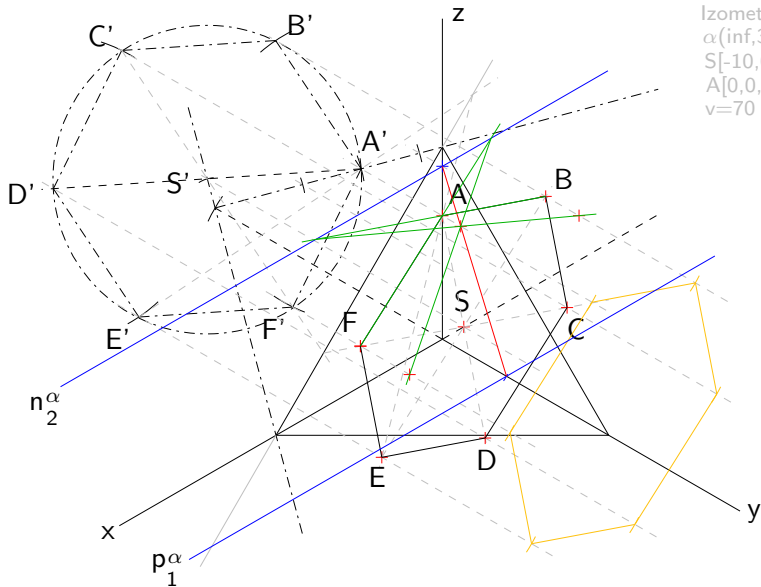
Izometrie  
 $\alpha(\text{inf}, 30, 70)$   
 $S[-10, 0, 0]$   
 $A[0, 0, 50]$   
 $v=70$





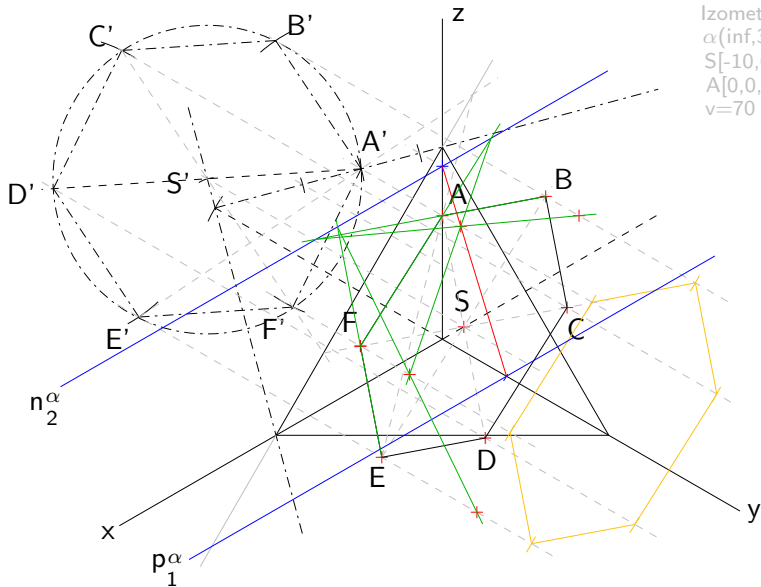
# Kolmá axonometrie - řez hranolu

Izometrie  
 $\alpha(\text{inf}, 30, 70)$   
 $S[-10, 0, 0]$   
 $A[0, 0, 50]$   
 $v=70$



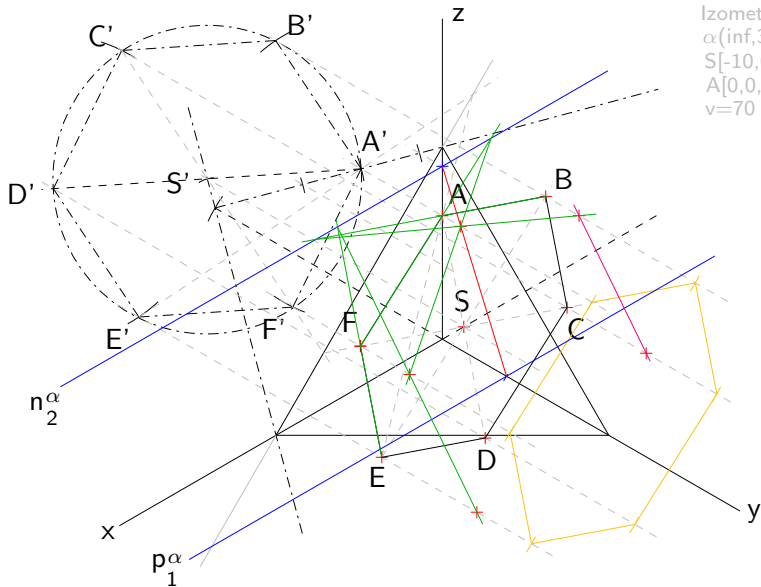
# Kolmá axonometrie - řez hranolu

Izometrie  
 $\alpha(\text{inf}, 30, 70)$   
 $S[-10, 0, 0]$   
 $A[0, 0, 50]$   
 $v=70$

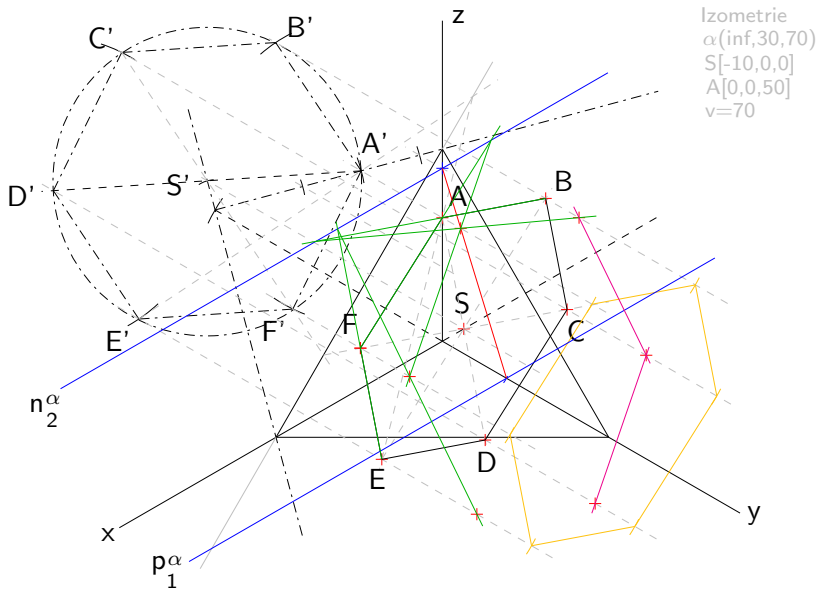


# Kolmá axonometrie - řez hranolu

Izometrie  
 $\alpha(\text{inf}, 30, 70)$   
 $S[-10, 0, 0]$   
 $A[0, 0, 50]$   
 $v=70$

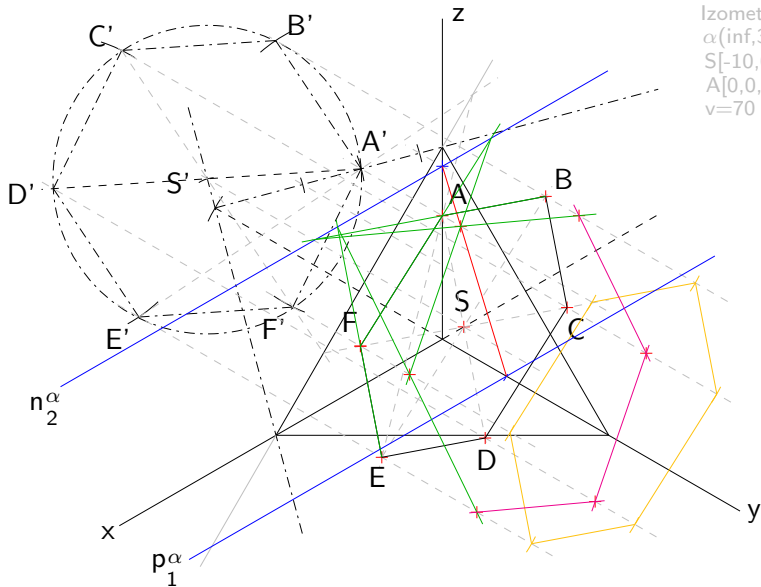


## Kolmá axonometrie - řez hranolu



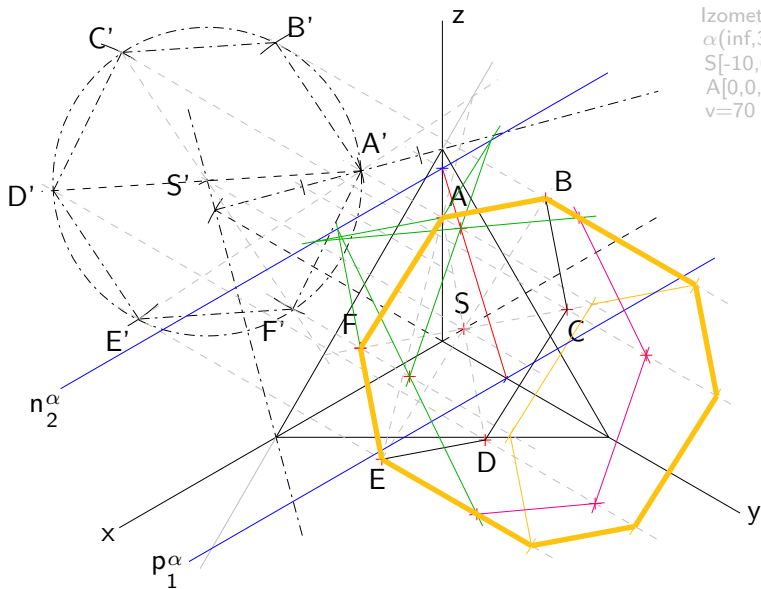
# Kolmá axonometrie - řez hranolu

Izometrie  
 $\alpha(\text{inf}, 30, 70)$   
 $S[-10, 0, 0]$   
 $A[0, 0, 50]$   
 $v=70$



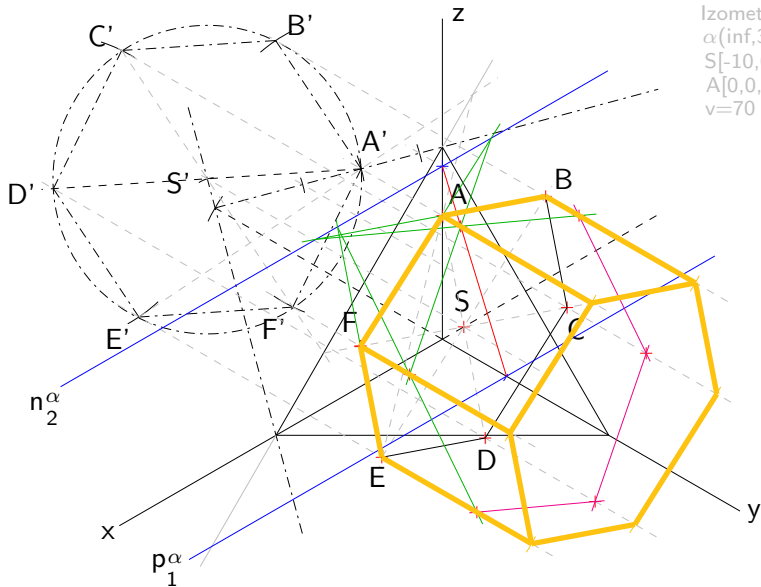
# Kolmá axonometrie - řez hranolu

Izometrie  
 $\alpha(\text{inf}, 30, 70)$   
 $S[-10, 0, 0]$   
 $A[0, 0, 50]$   
 $v=70$

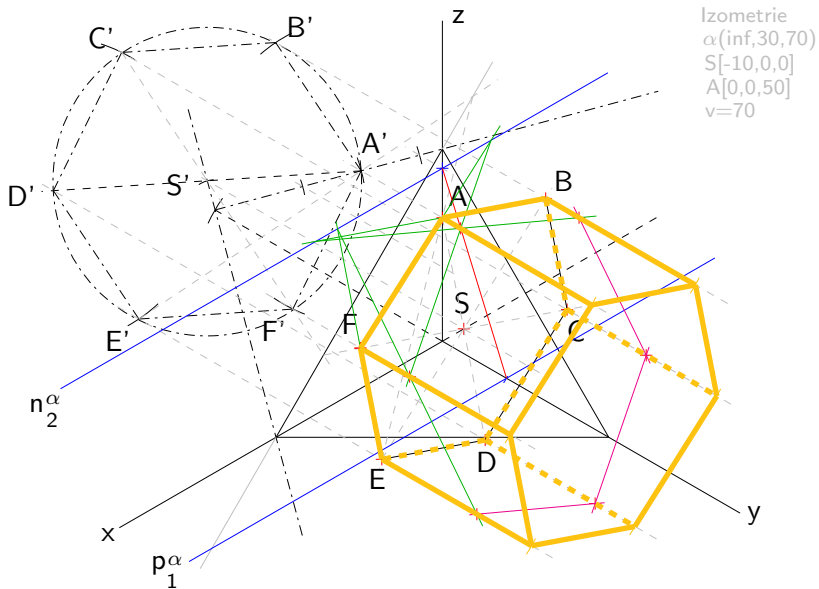


# Kolmá axonometrie - řez hranolu

Izometrie  
 $\alpha(\text{inf}, 30, 70)$   
 $S[-10, 0, 0]$   
 $A[0, 0, 50]$   
 $v=70$



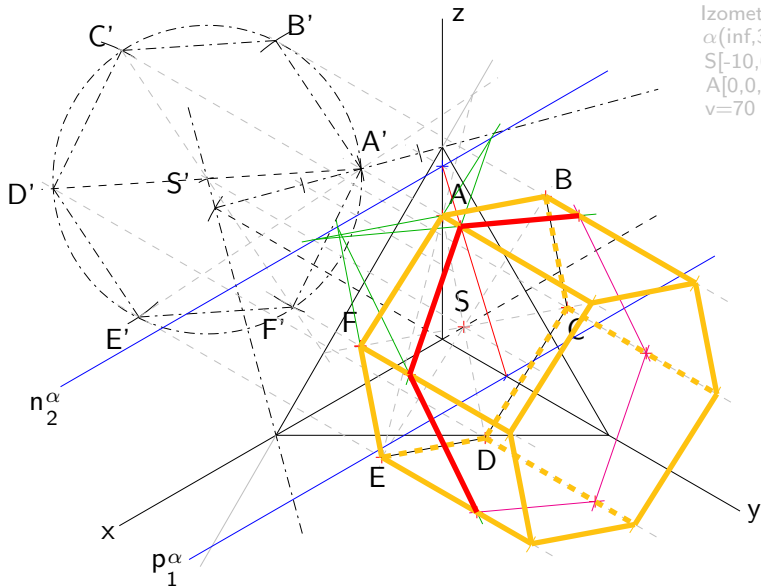
# Kolmá axonometrie - řez hranolu





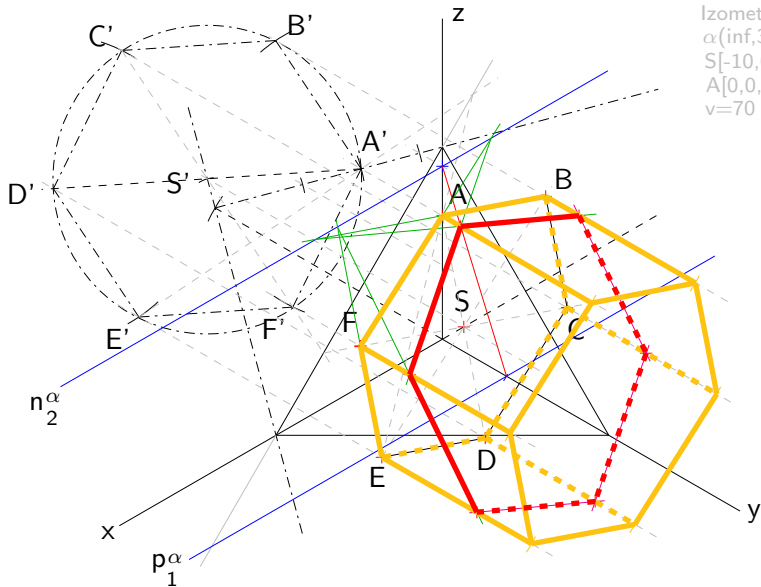
# Kolmá axonometrie - řez hranolu

Izometrie  
 $\alpha(\text{inf}, 30, 70)$   
 $S[-10, 0, 0]$   
 $A[0, 0, 50]$   
 $v=70$

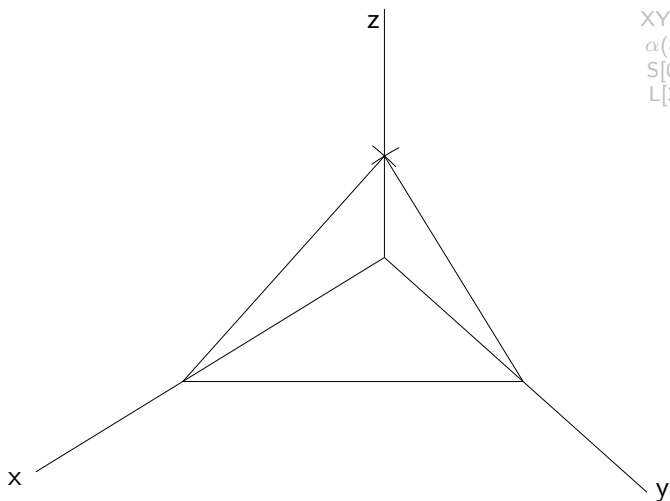


# Kolmá axonometrie - řez hranolu

Izometrie  
 $\alpha(\text{inf}, 30, 70)$   
 $S[-10, 0, 0]$   
 $A[0, 0, 50]$   
 $v=70$

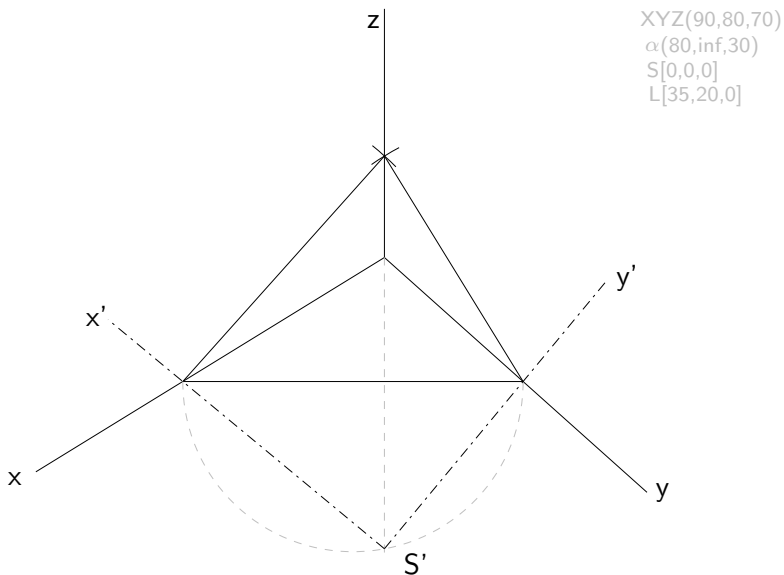


# Kolmá axonometrie - řez válce

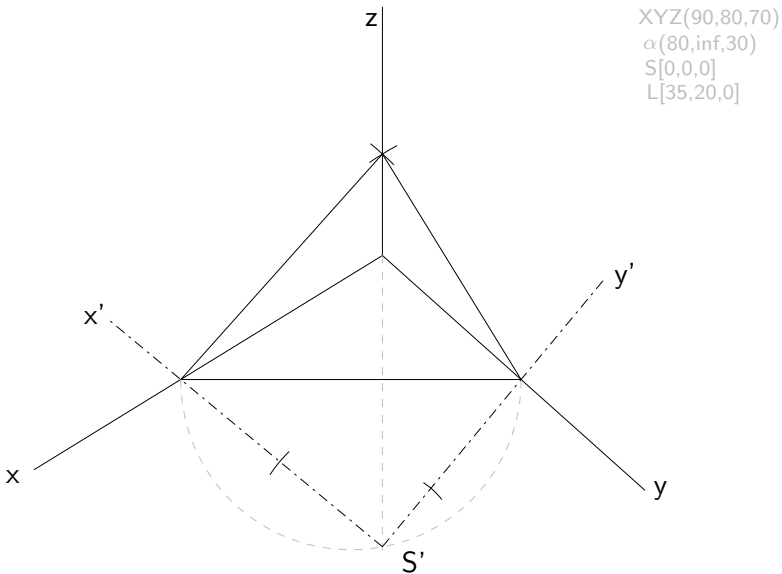


$XYZ(90,80,70)$   
 $\alpha(80,\text{inf},30)$   
 $S[0,0,0]$   
 $L[35,20,0]$

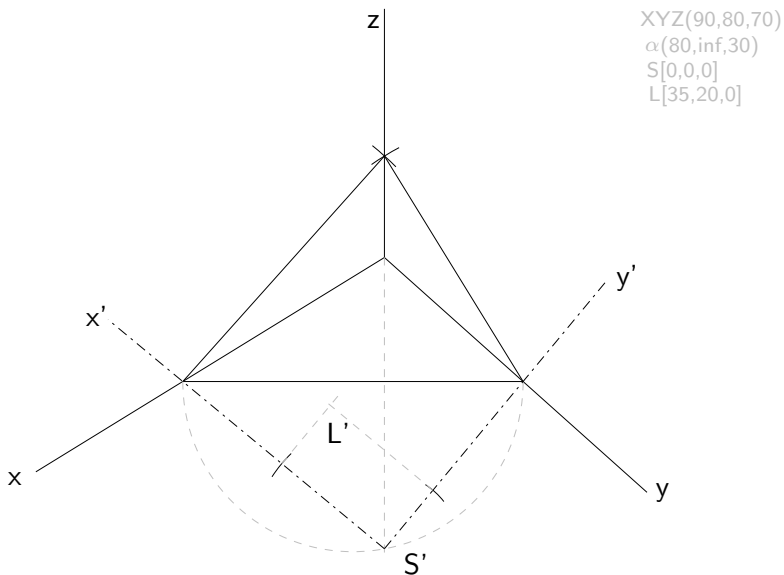
# Kolmá axonometrie - řez válce



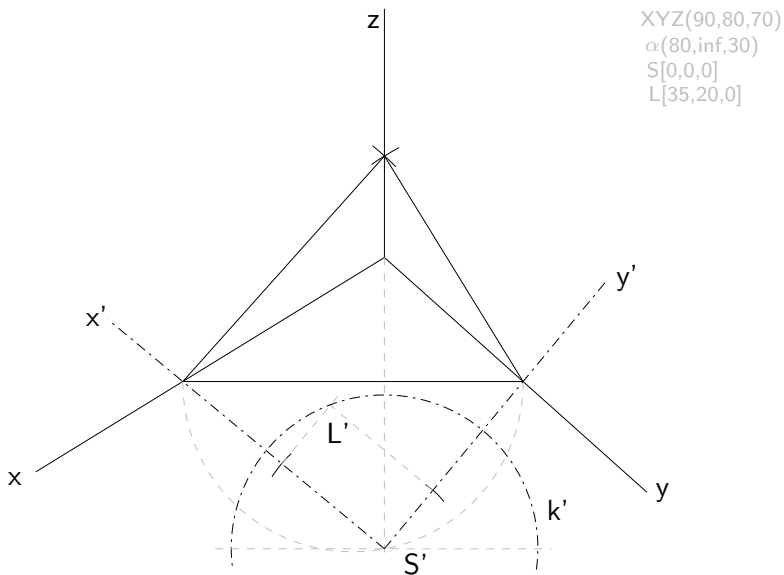
## Kolmá axonometrie - řez válce



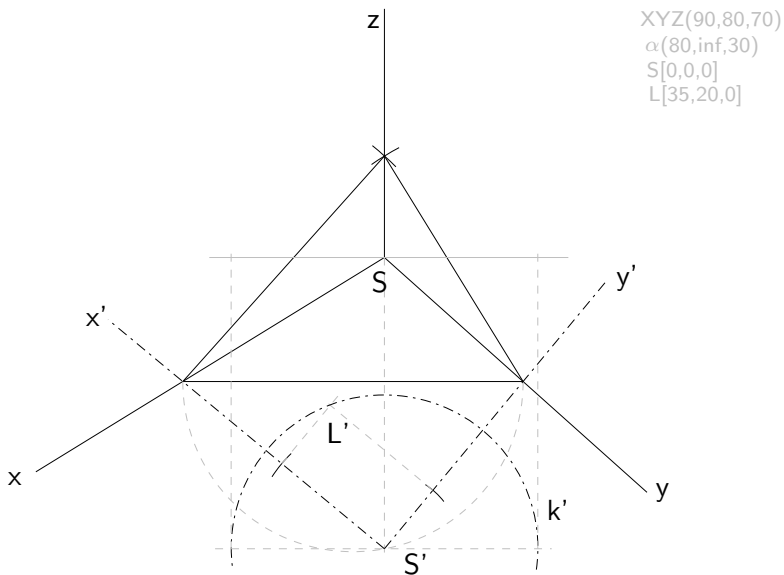
# Kolmá axonometrie - řez válce



# Kolmá axonometrie - řez válce



# Kolmá axonometrie - řez válce



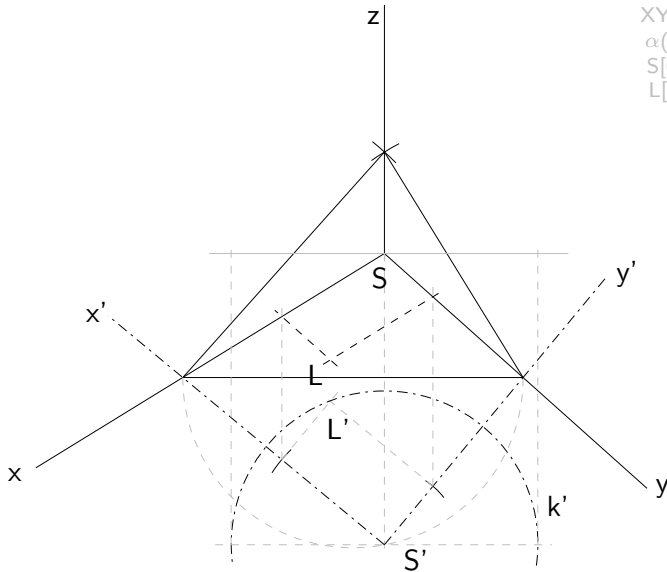


# Kolmá axonometrie - řez válce

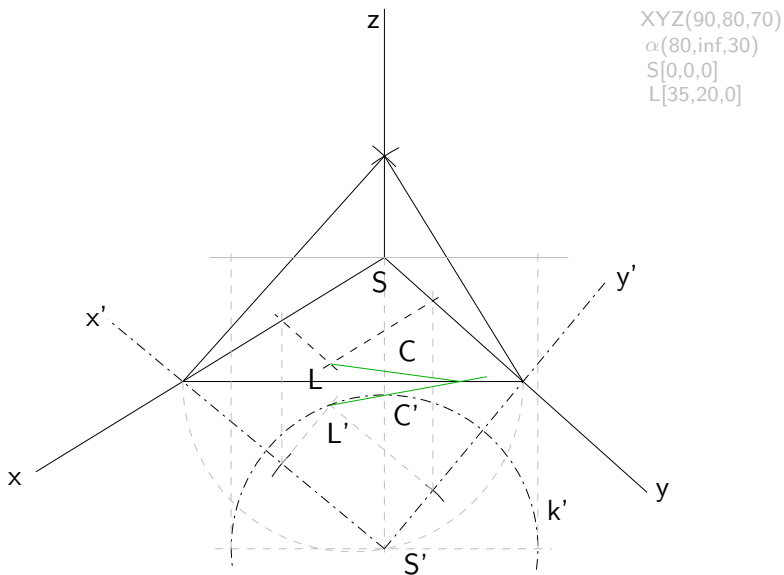
XYZ(90,80,70)

 $\alpha(80, \text{inf}, 30)$ 

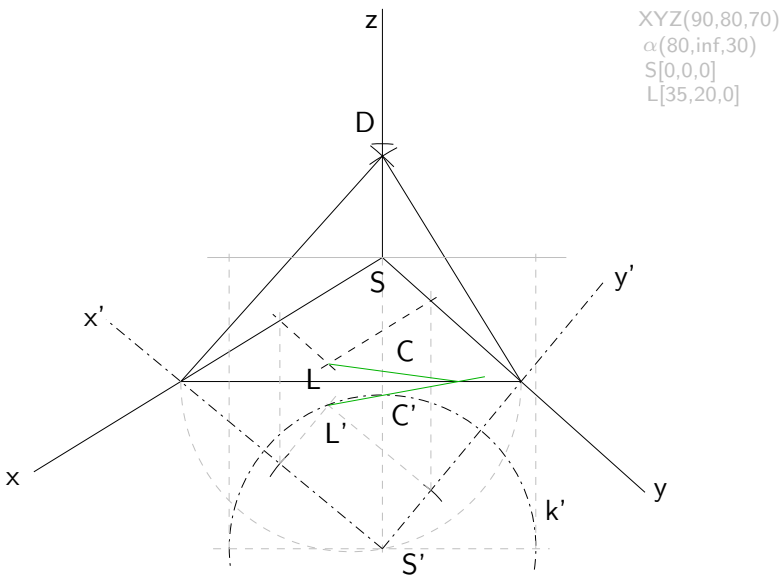
S[0,0,0]

 $L[35,20,0]$ 

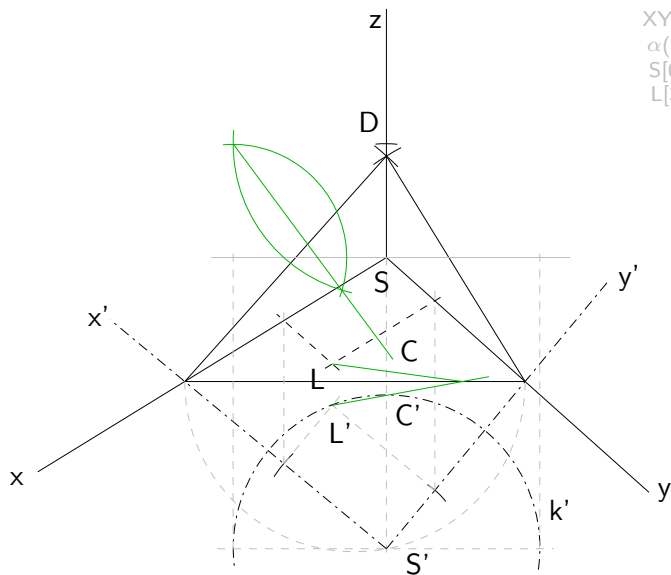
# Kolmá axonometrie - řez válce



## Kolmá axonometrie - řez válce

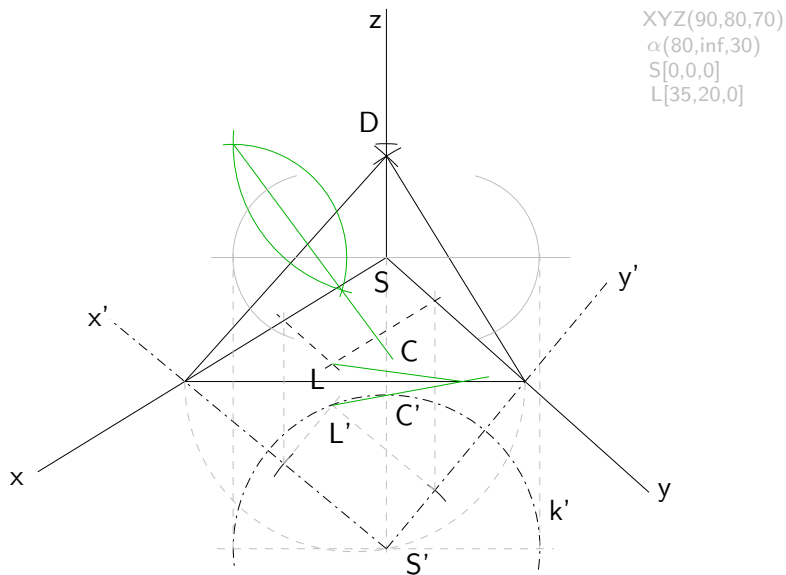


# Kolmá axonometrie - řez válce

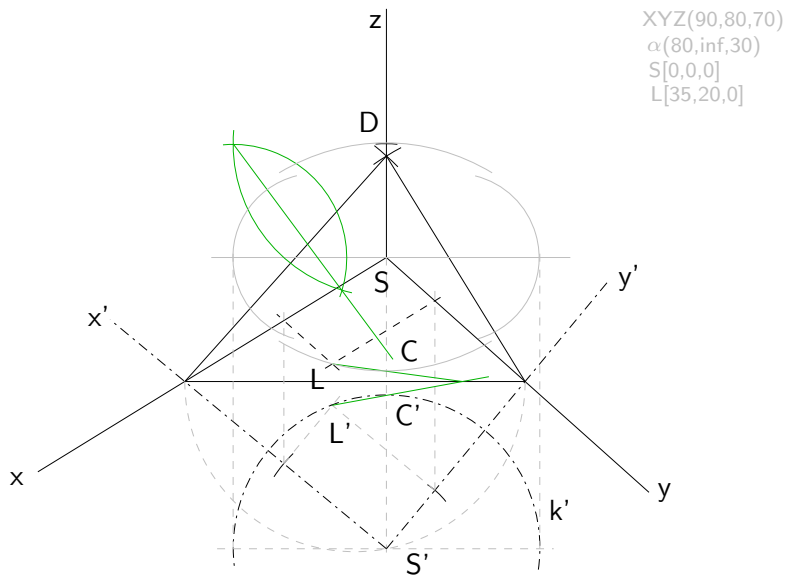


$XYZ(90,80,70)$   
 $\alpha(80,\text{inf},30)$   
 $S[0,0,0]$   
 $L[35,20,0]$

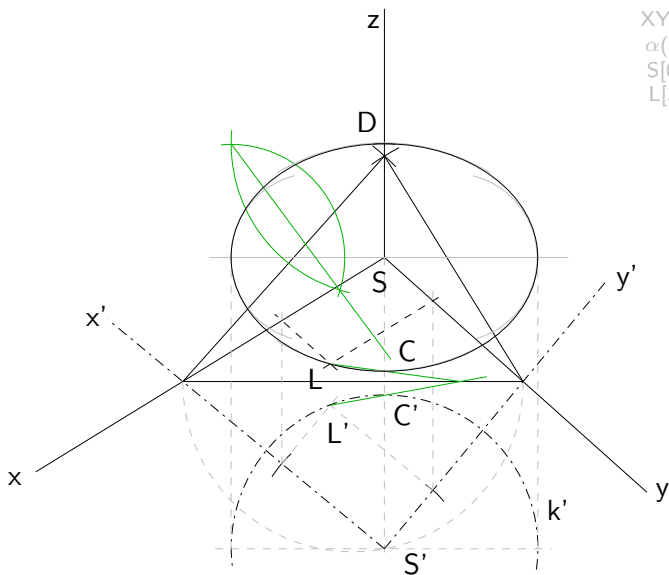
# Kolmá axonometrie - řez válce



# Kolmá axonometrie - řez válce

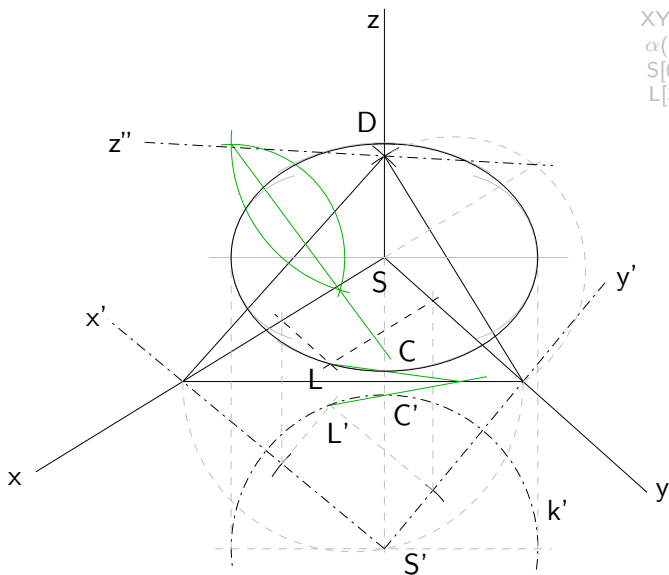


# Kolmá axonometrie - řez válce



$XYZ(90,80,70)$   
 $\alpha(80,\text{inf},30)$   
 $S[0,0,0]$   
 $L[35,20,0]$

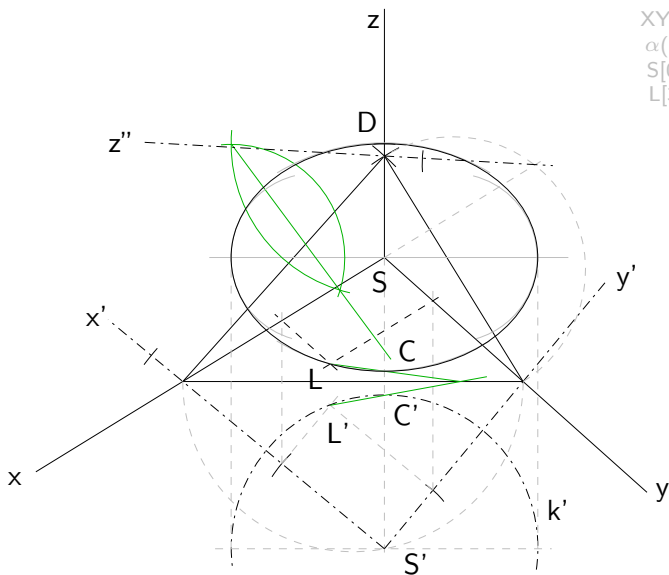
# Kolmá axonometrie - řez válce



XYZ(90,80,70)  
 $\alpha(80,\text{inf},30)$   
S[0,0,0]  
L[35,20,0]



# Kolmá axonometrie - řez válce



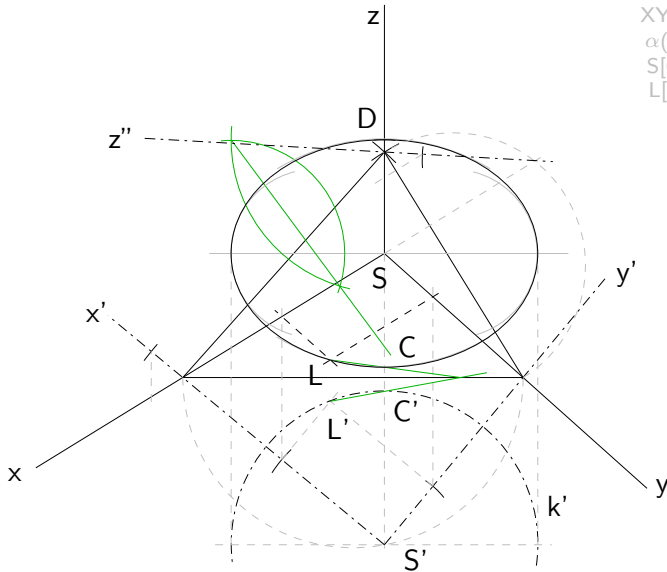
$XYZ(90,80,70)$   
 $\alpha(80,\text{inf},30)$   
 $S[0,0,0]$   
 $L[35,20,0]$

## Kolmá axonometrie - řez válce

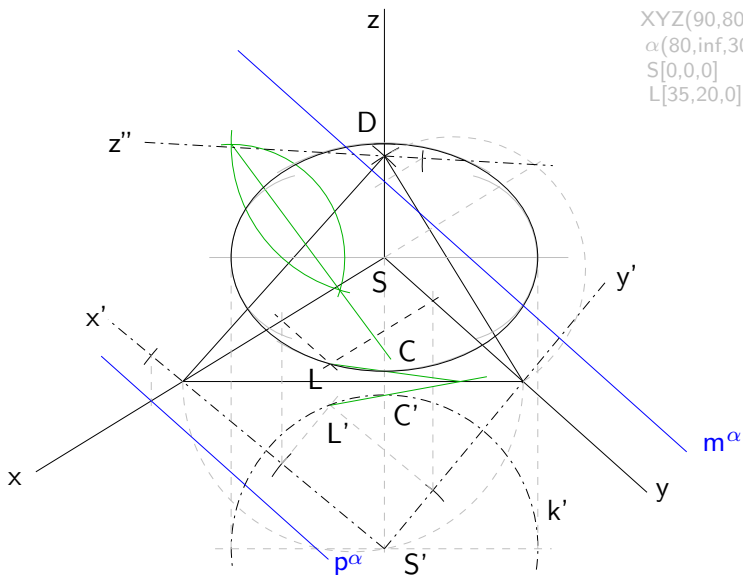
XYZ(90,80,70)

 $\alpha(80, \text{inf}, 30)$ 

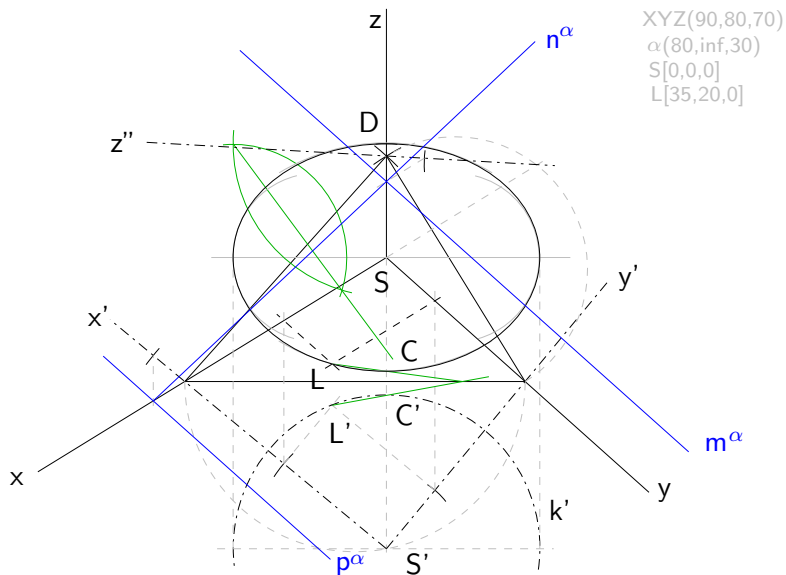
S[0,0,0]

 $L[35,20,0]$ 

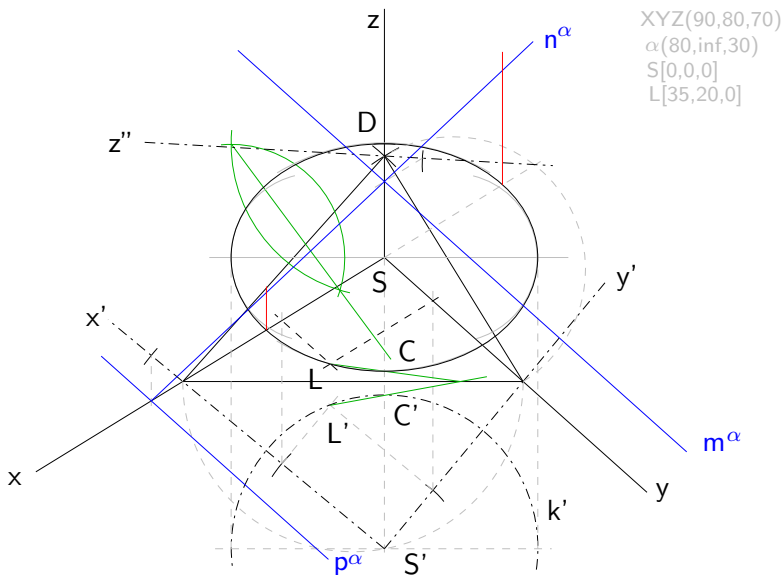
# Kolmá axonometrie - řez válce



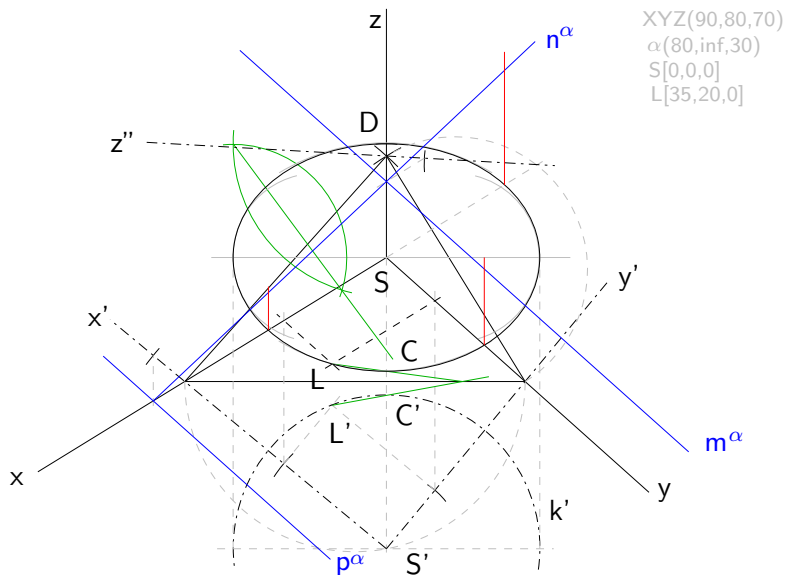
# Kolmá axonometrie - řez válce



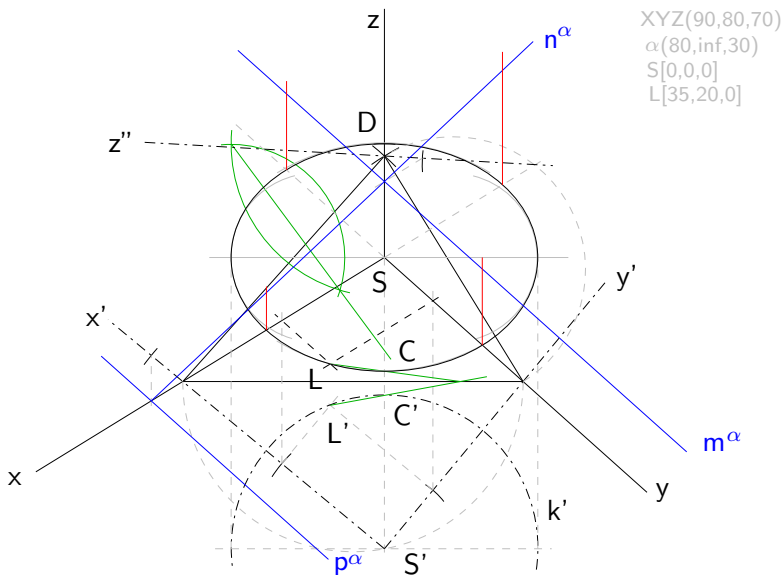
## Kolmá axonometrie - řez válce



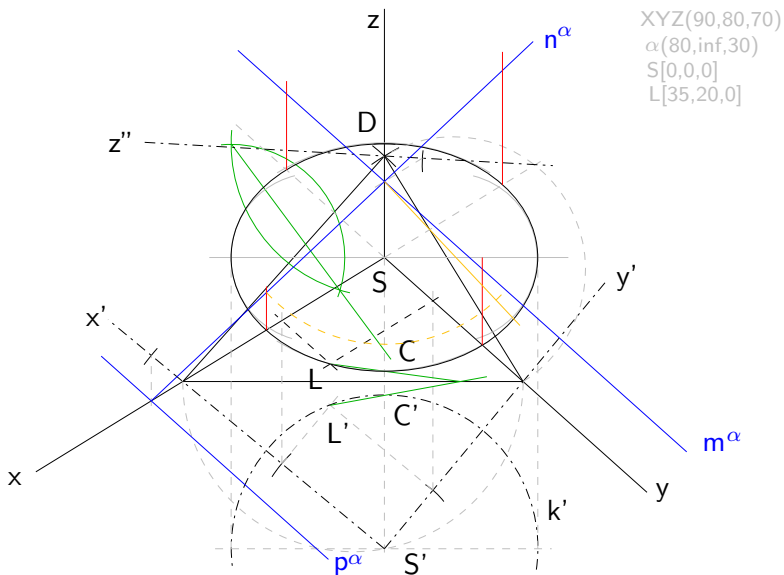
# Kolmá axonometrie - řez válce



# Kolmá axonometrie - řez válce

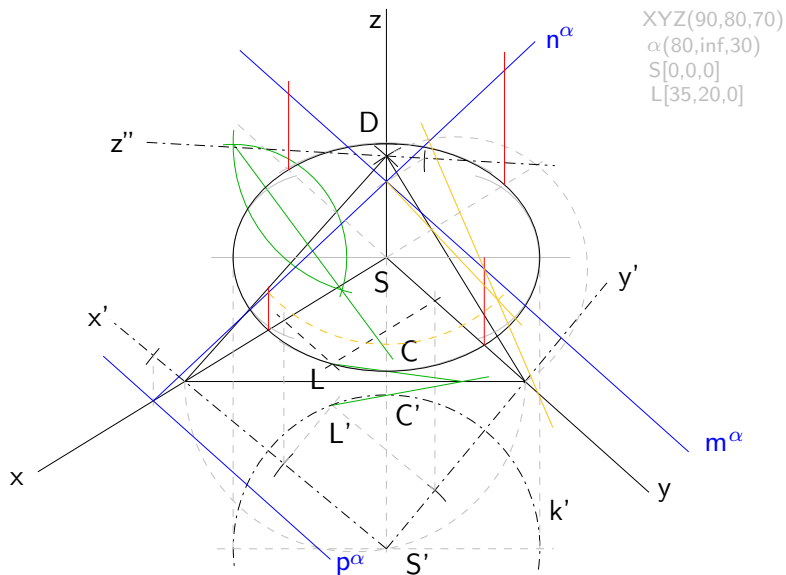


# Kolmá axonometrie - řez válce

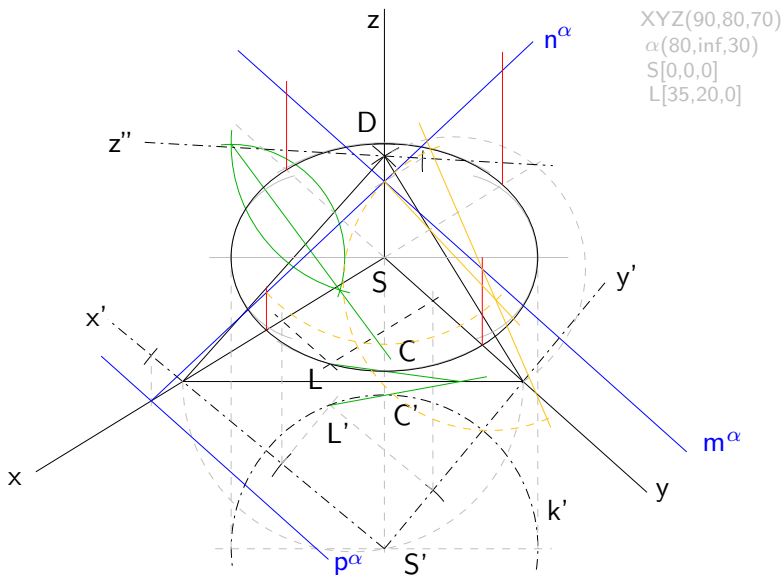




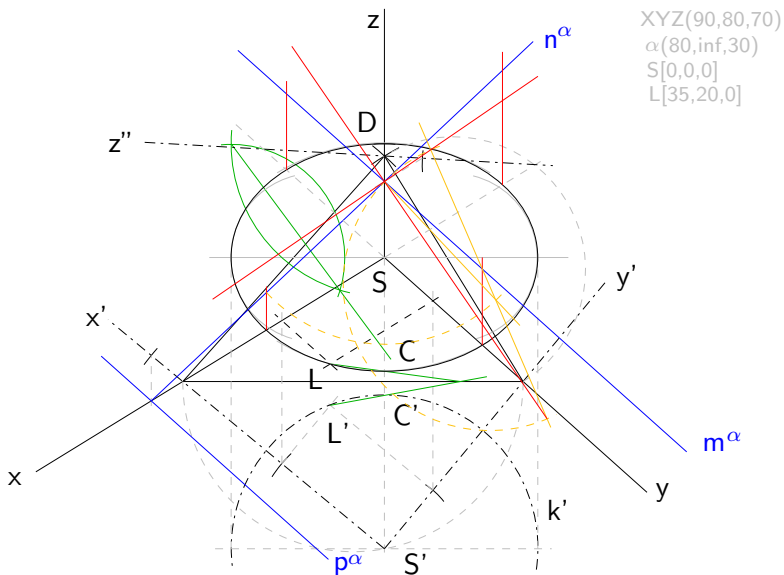
# Kolmá axonometrie - řez válce



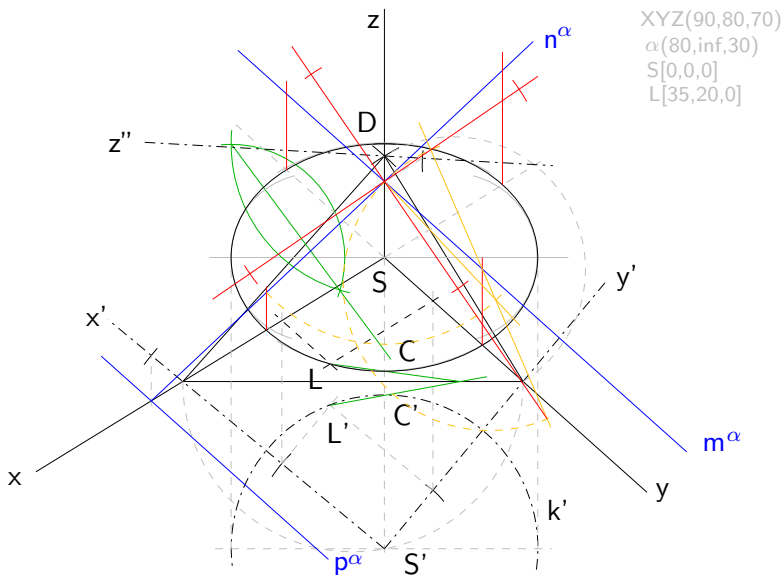
# Kolmá axonometrie - řez válce



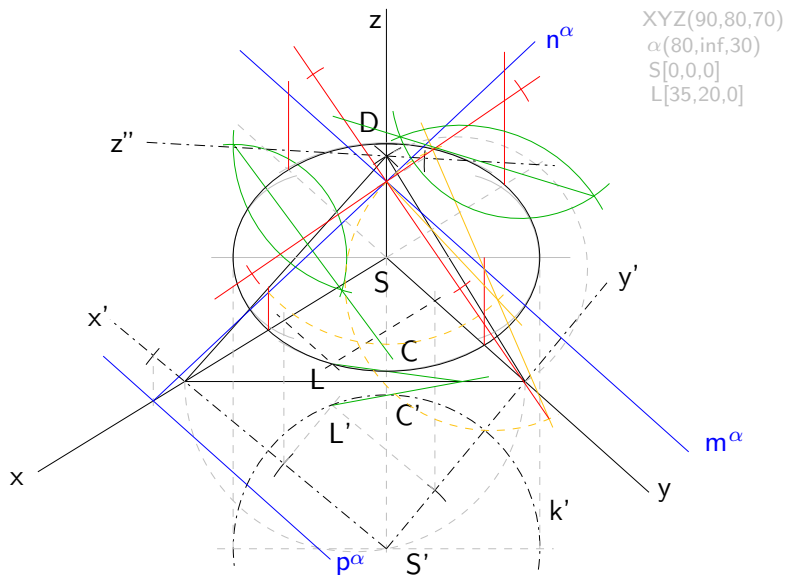
# Kolmá axonometrie - řez válce



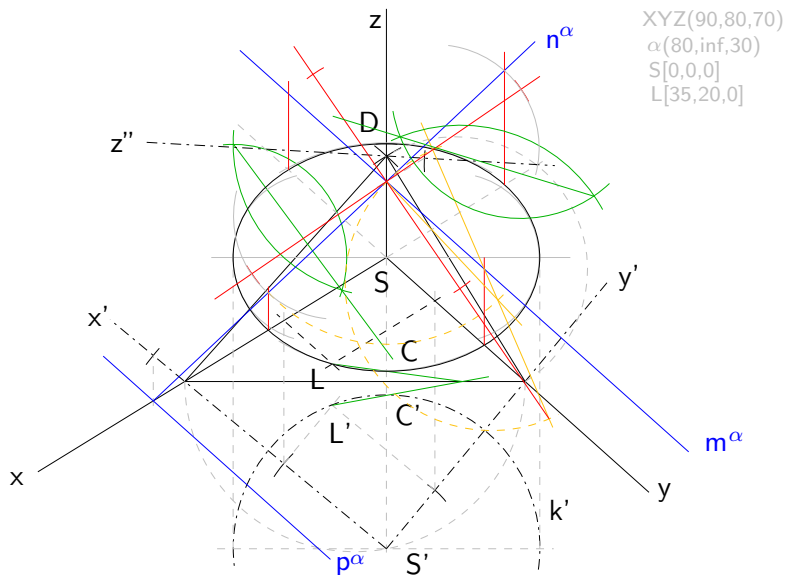
## Kolmá axonometrie - řez válce



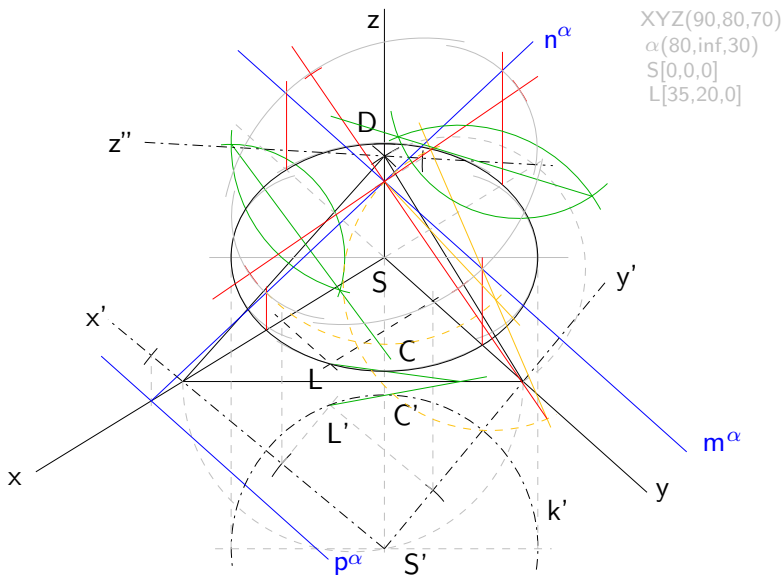
# Kolmá axonometrie - řez válce



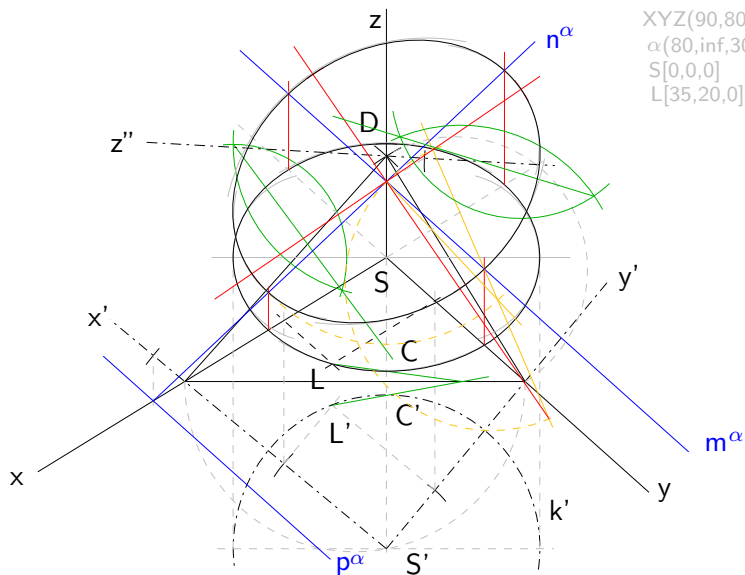
# Kolmá axonometrie - řez válce



# Kolmá axonometrie - řez válce

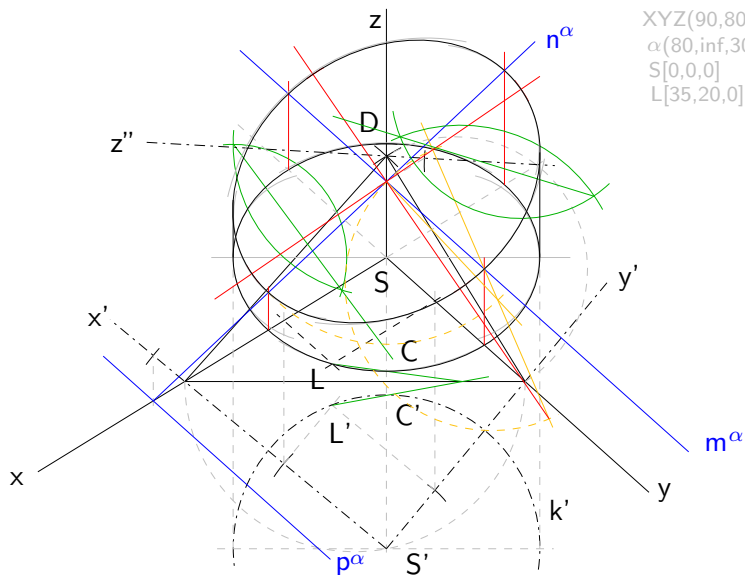


# Kolmá axonometrie - řez válce

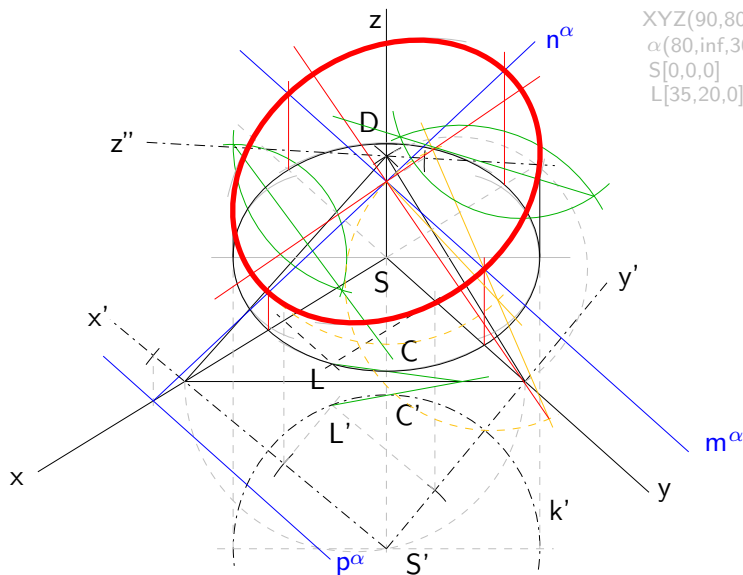




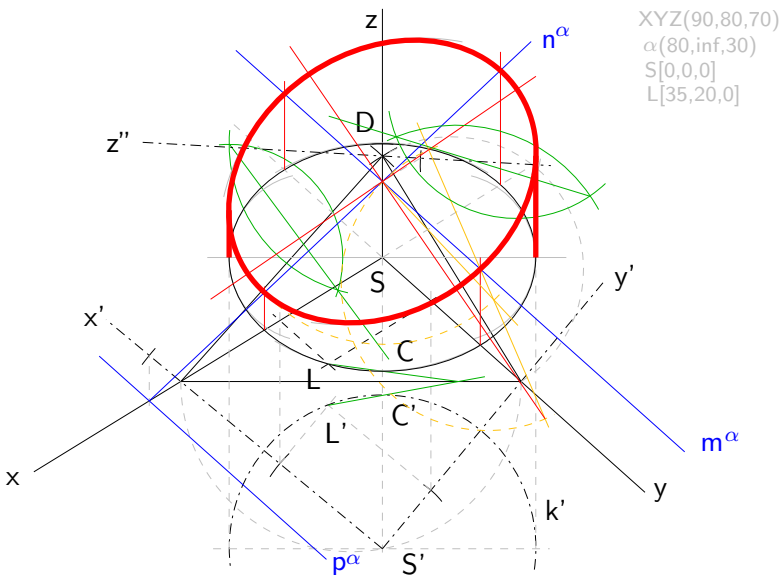
# Kolmá axonometrie - řez válce



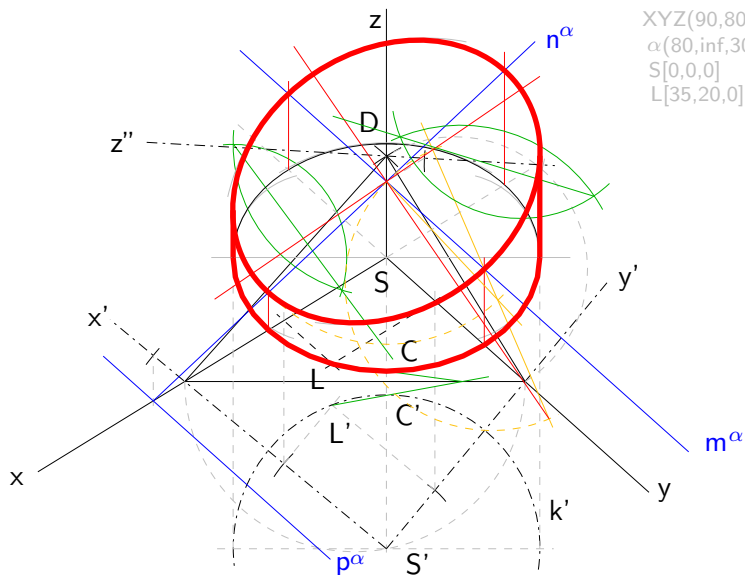
# Kolmá axonometrie - řez válce



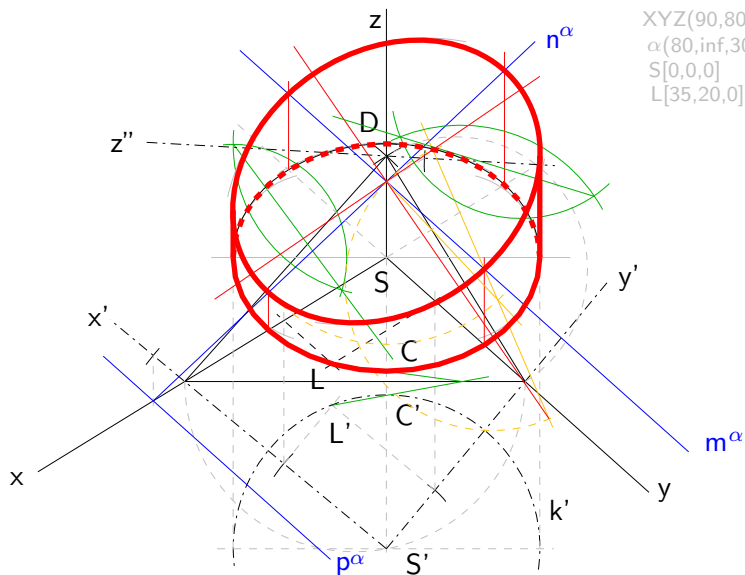
# Kolmá axonometrie - řez válce



# Kolmá axonometrie - řez válce



# Kolmá axonometrie - řez válce



XYZ(90,80,70)  
 $\alpha(80,\text{inf},30)$   
 $S[0,0,0]$   
 $L[35,20,0]$

# Mongeovo promítání - jehlan a přímka

$V[10,70,100]$

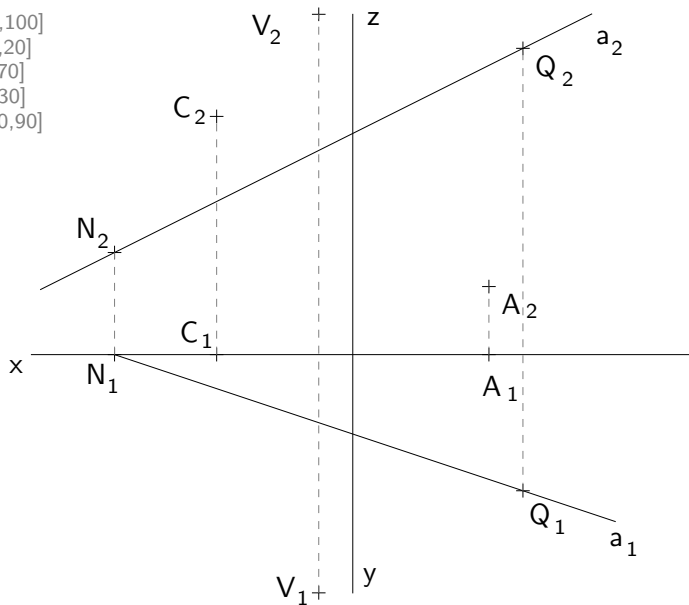
$A[-40,0,20]$

$C[40,0,70]$

$N[70,0,30]$

$Q[-50,40,90]$

$a=NQ$



# Mongeovo promítání - jehlan a přímka

$V[10,70,100]$

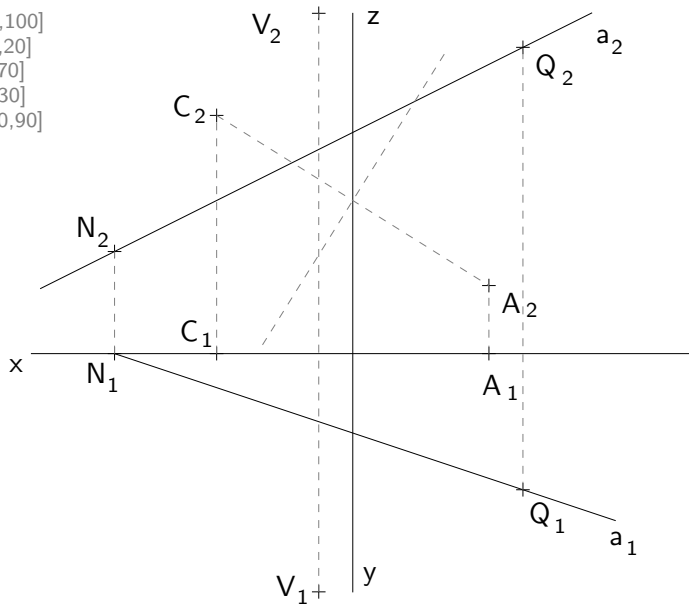
$A[-40,0,20]$

$C[40,0,70]$

$N[70,0,30]$

$Q[-50,40,90]$

$a=NQ$



# Mongeovo promítání - jehlan a přímka

$V[10,70,100]$

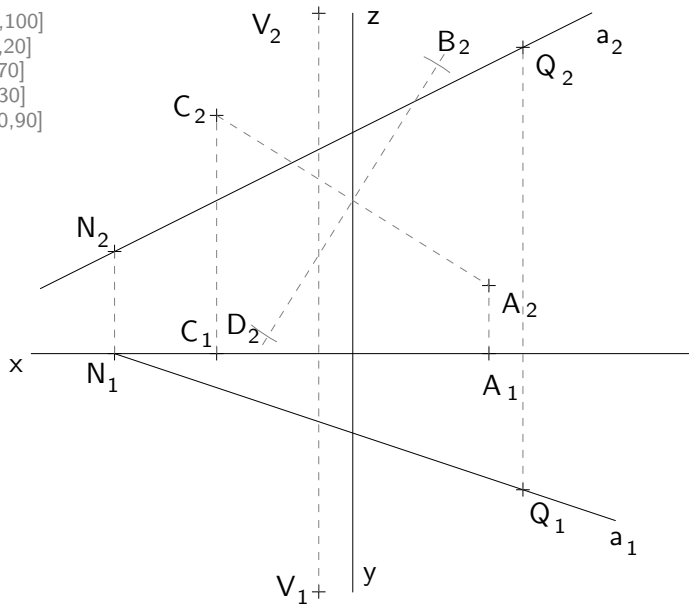
$A[-40,0,20]$

$C[40,0,70]$

$N[70,0,30]$

$Q[-50,40,90]$

$a=NQ$





# Mongeovo promítání - jehlan a přímka

V[10,70,100]

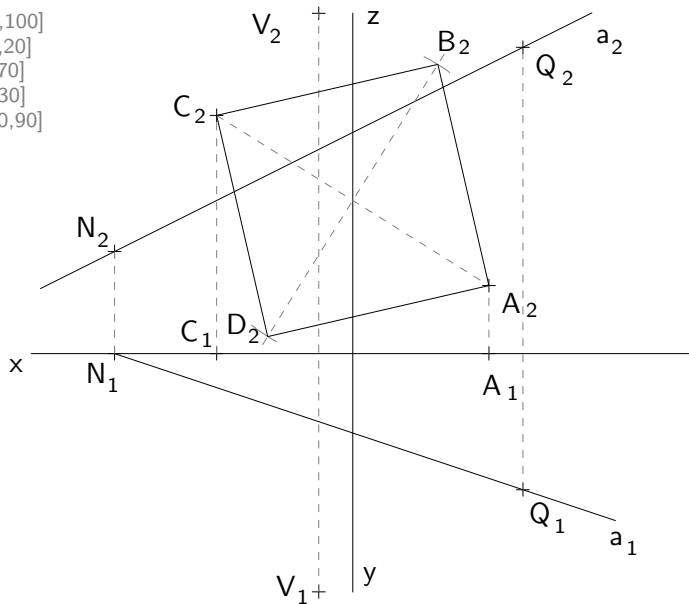
A[-40,0,20]

C[40,0,70]

N[70,0,30]

Q[-50,40,90]

a=NQ



# Mongeovo promítání - jehlan a přímka

V[10,70,100]

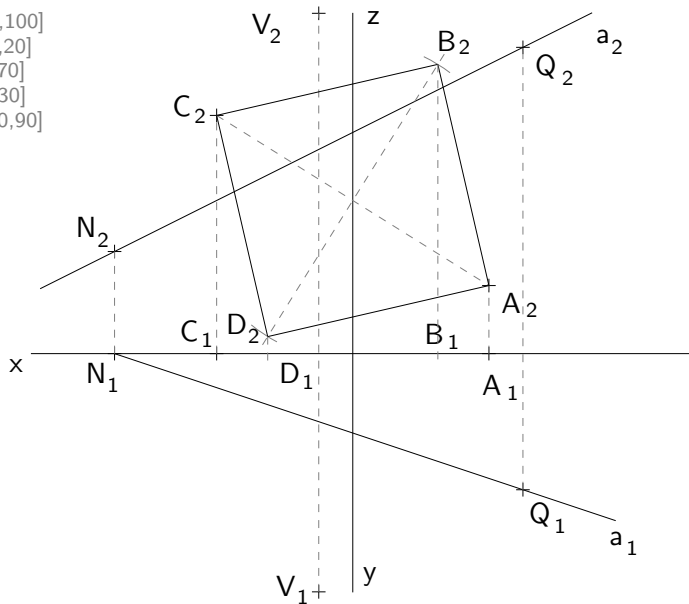
A[-40,0,20]

C[40,0,70]

N[70,0,30]

Q[-50,40,90]

a=NQ



# Mongeovo promítání - jehlan a přímka

$V[10,70,100]$

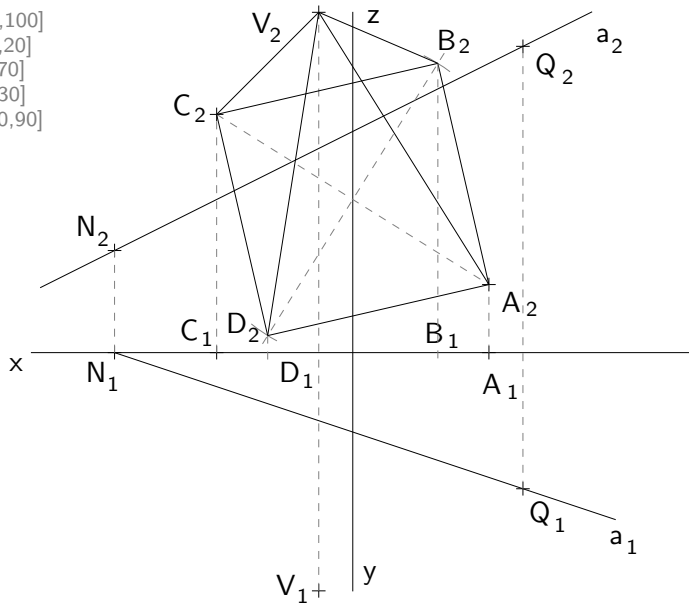
$A[-40,0,20]$

$C[40,0,70]$

$N[70,0,30]$

$Q[-50,40,90]$

$a=NQ$



# Mongeovo promítání - jehlan a přímka

$V[10,70,100]$

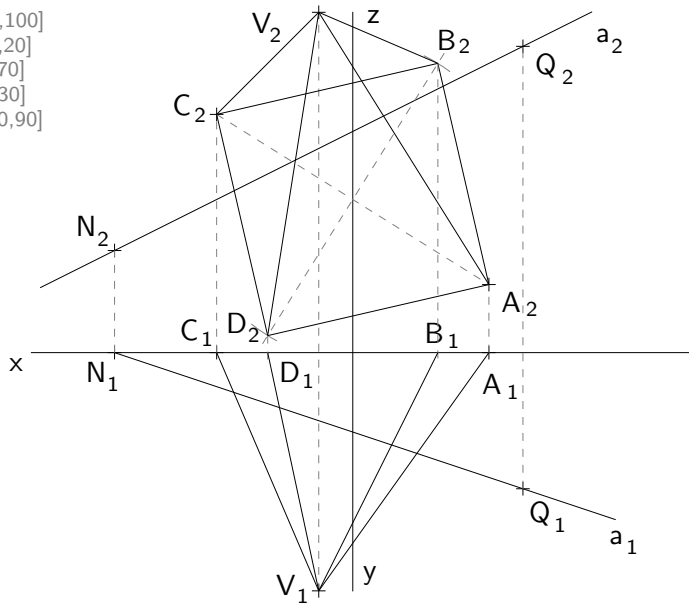
$A[-40,0,20]$

$C[40,0,70]$

$N[70,0,30]$

$Q[-50,40,90]$

$a=NQ$



# Mongeovo promítání - jehlan a přímka

$V[10,70,100]$

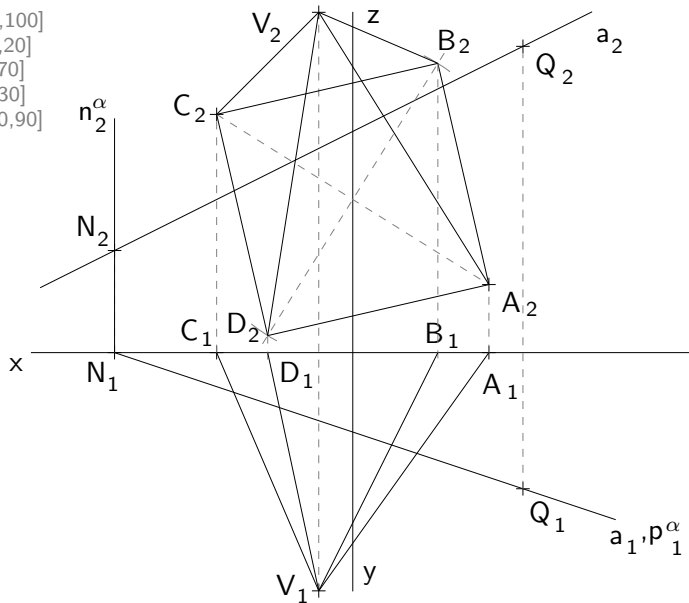
$A[-40,0,20]$

$C[40,0,70]$

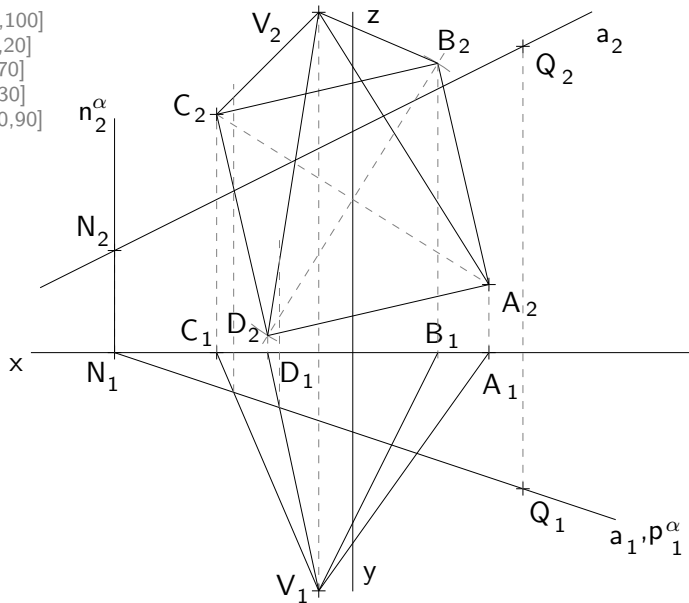
$N[70,0,30]$

$Q[-50,40,90]$

$a=NQ$



## Mongeovo promítání - jehlan a přímka

 $A[-40,0,20]$  $N[70,0,30]$ 
$$a = NQ$$


# Mongeovo promítání - jehlan a přímka

$V[10,70,100]$

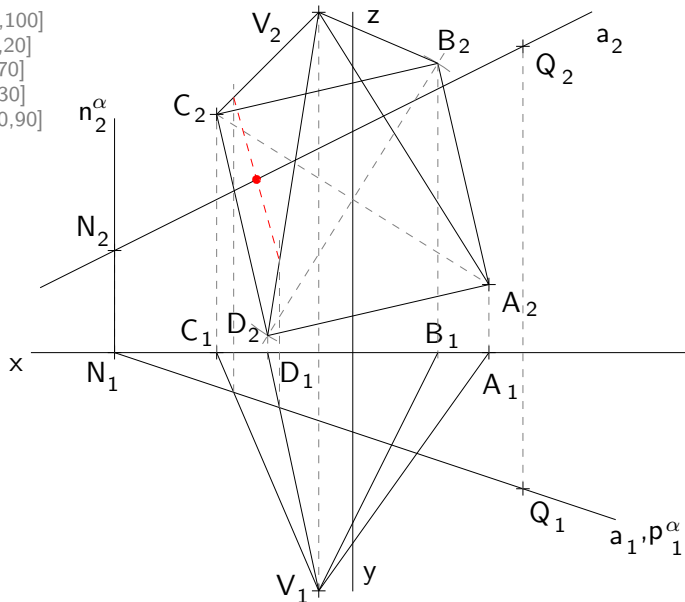
$A[-40,0,20]$

$C[40,0,70]$

$N[70,0,30]$

$Q[-50,40,90]$

$a=NQ$



# Mongeovo promítání - jehlan a přímka

$V[10,70,100]$

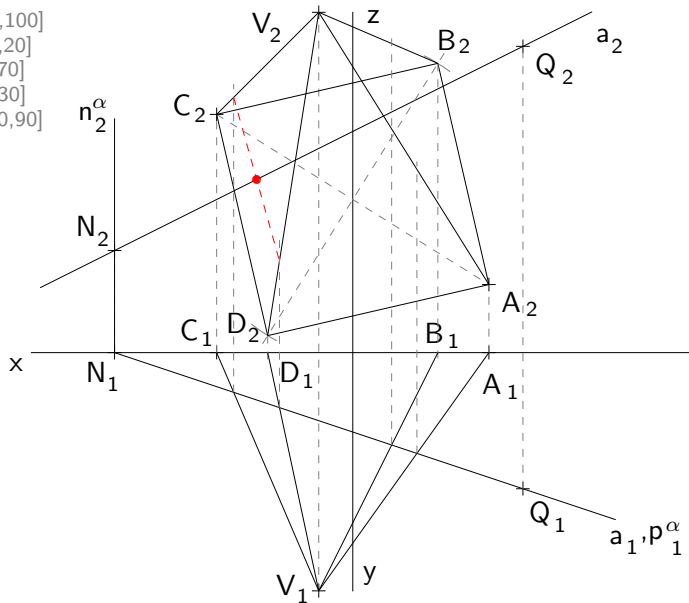
$A[-40,0,20]$

$C[40,0,70]$

$N[70,0,30]$

$Q[-50,40,90]$

$a=NQ$





# Mongeovo promítání - jehlan a přímka

$V[10,70,100]$

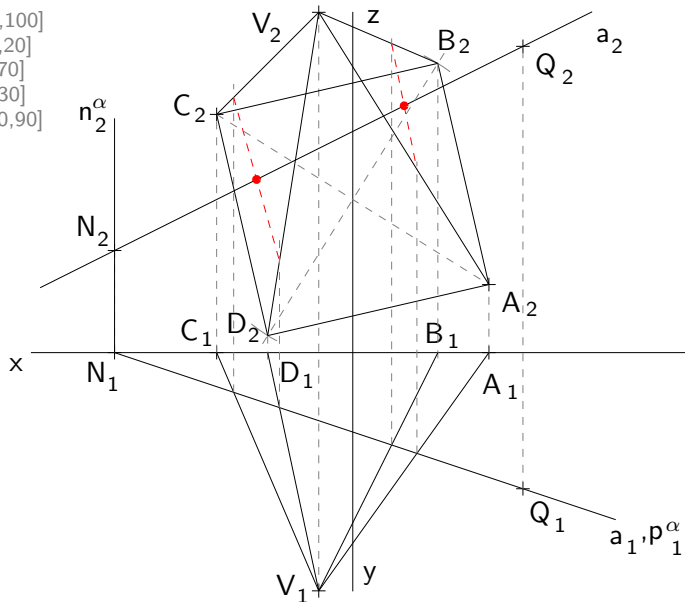
$A[-40,0,20]$

$C[40,0,70]$

$N[70,0,30]$

$Q[-50,40,90]$

$a=NQ$



# Mongeovo promítání - jehlan a přímka

$V[10,70,100]$

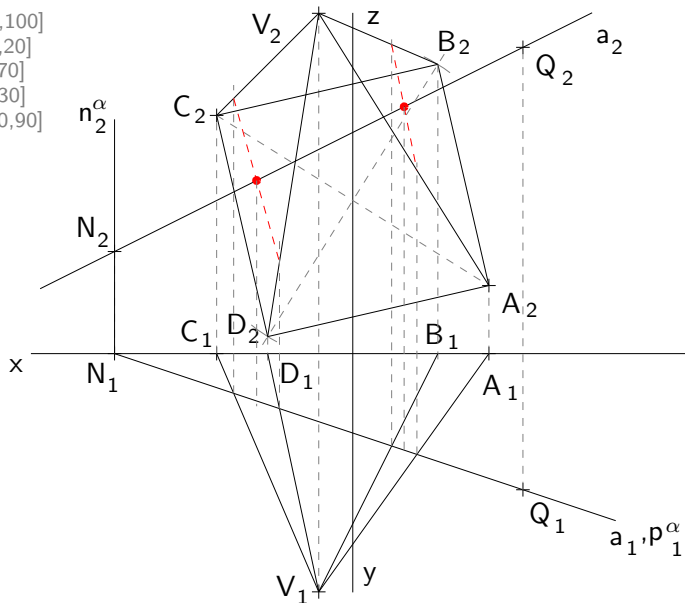
$A[-40,0,20]$

$C[40,0,70]$

$N[70,0,30]$

$Q[-50,40,90]$

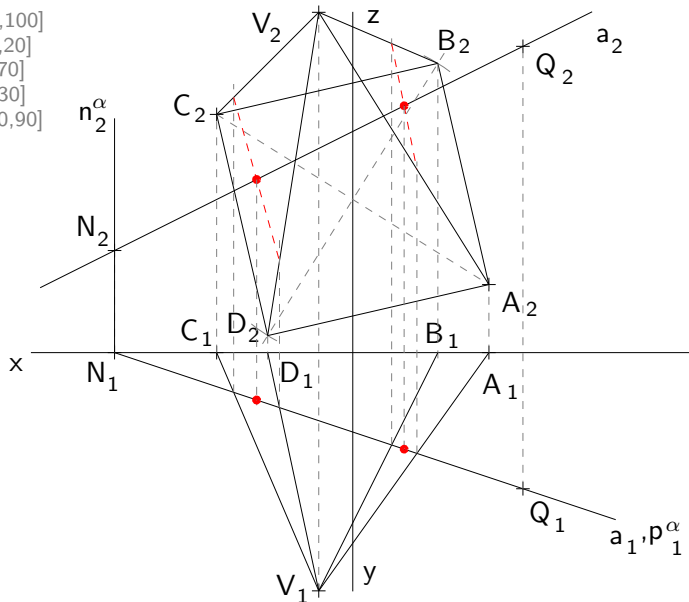
$a=NQ$



## Mongeovo promítání - jehlan a přímka

V[10,70,100]

A[-40,0,20]

 $C[40,0,70]$  $N[70,0,30]$  $Q[-50, 40, 90]$ 
$$a = NQ$$


# Mongeovo promítání - jehlan a přímka

$V[10,70,100]$

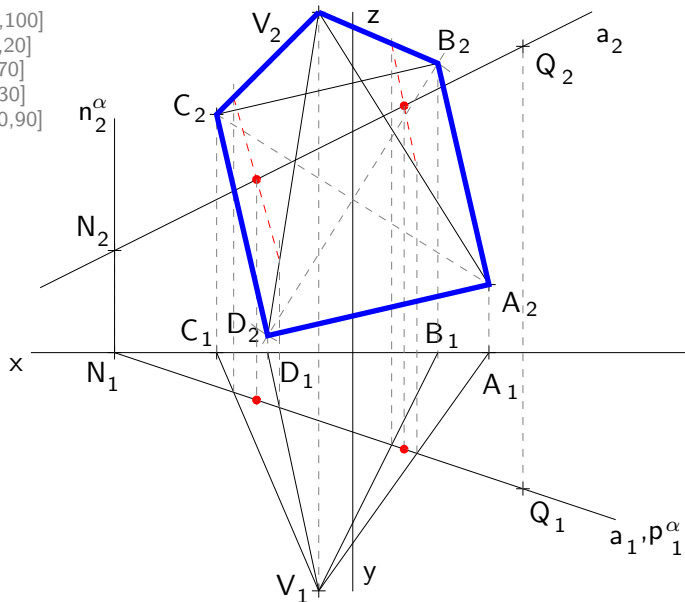
$A[-40,0,20]$

$C[40,0,70]$

$N[70,0,30]$

$Q[-50,40,90]$

$a=NQ$

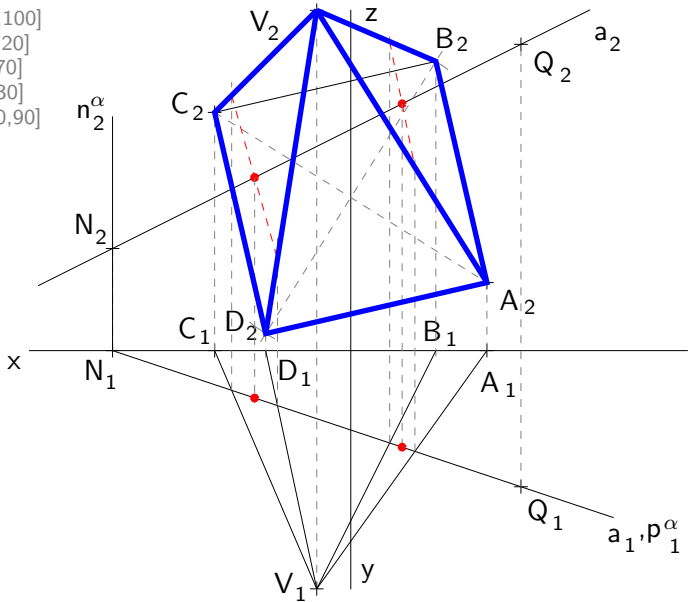


# Mongeovo promítání - jehlan a přímka

 $V[10,70,100]$ 

A[-40,0,20]

C[40,0,70]

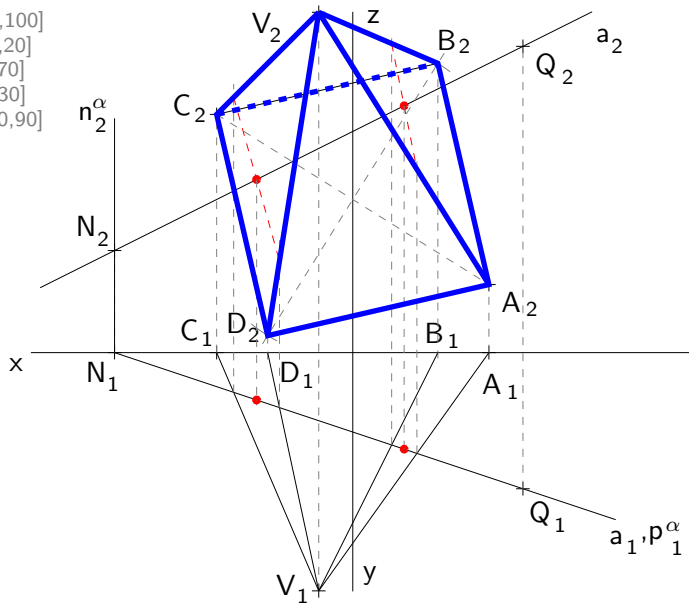
 $N[70,0,30]$  $Q[-50, 40, 90]$ 
$$a = NQ$$


## Mongeovo promítání - jehlan a přímka

A[-40,0,20]

 $N[70,0,30]$ 
$$a = NQ$$

---



# Mongeovo promítání - jehlan a přímka

$V[10,70,100]$

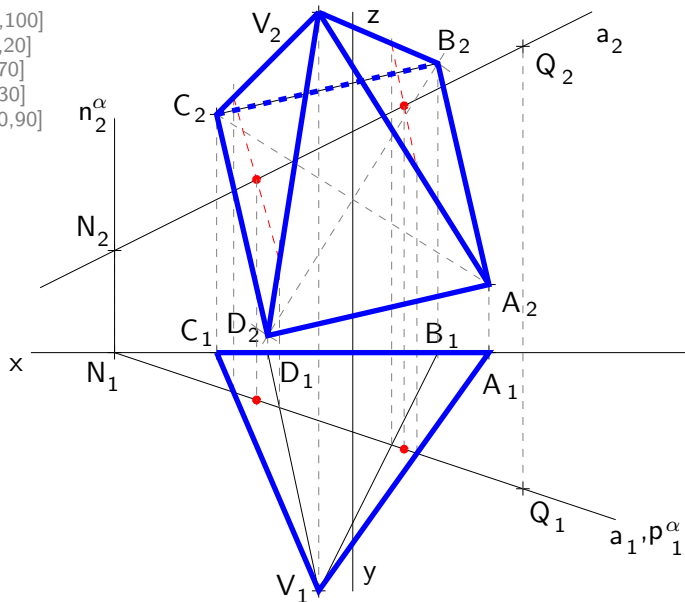
$A[-40,0,20]$

$C[40,0,70]$

$N[70,0,30]$

$Q[-50,40,90]$

$a=NQ$



# Mongeovo promítání - jehlan a přímka

$V[10,70,100]$

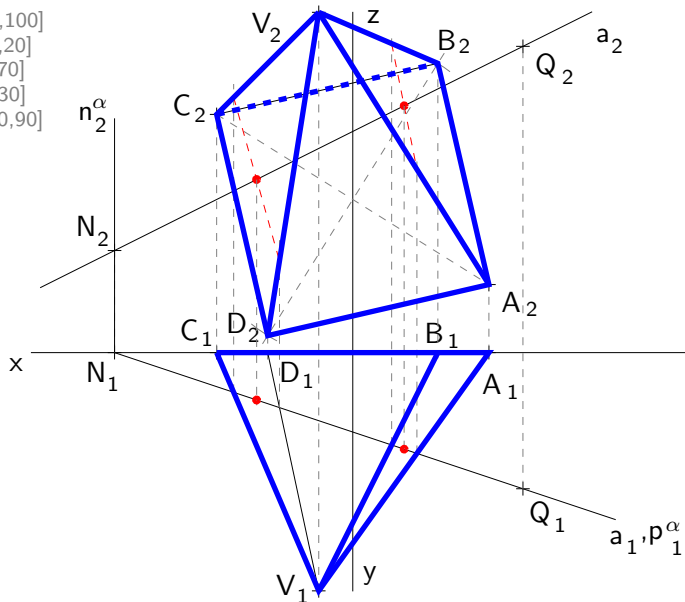
$A[-40,0,20]$

$C[40,0,70]$

$N[70,0,30]$

$Q[-50,40,90]$

$a=NQ$





# Mongeovo promítání - jehlan a přímka

$V[10,70,100]$

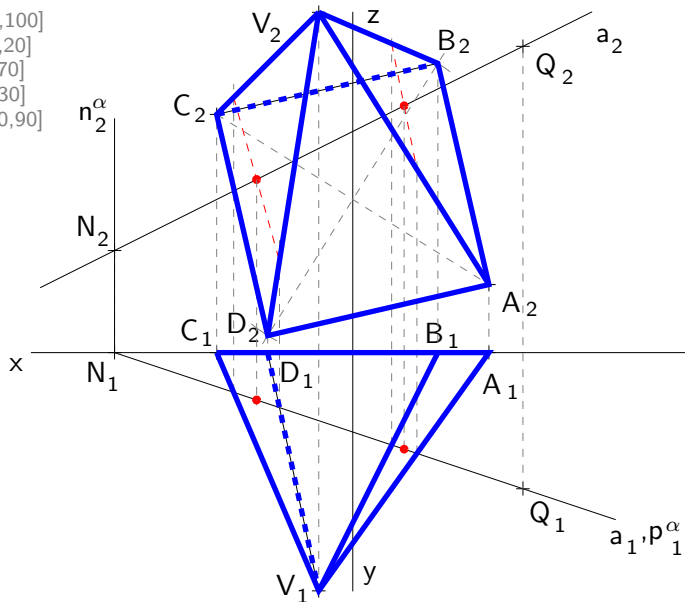
$A[-40,0,20]$

$C[40,0,70]$

$N[70,0,30]$

$Q[-50,40,90]$

$a=NQ$



# Mongeovo promítání - jehlan a přímka

V[10,70,100]

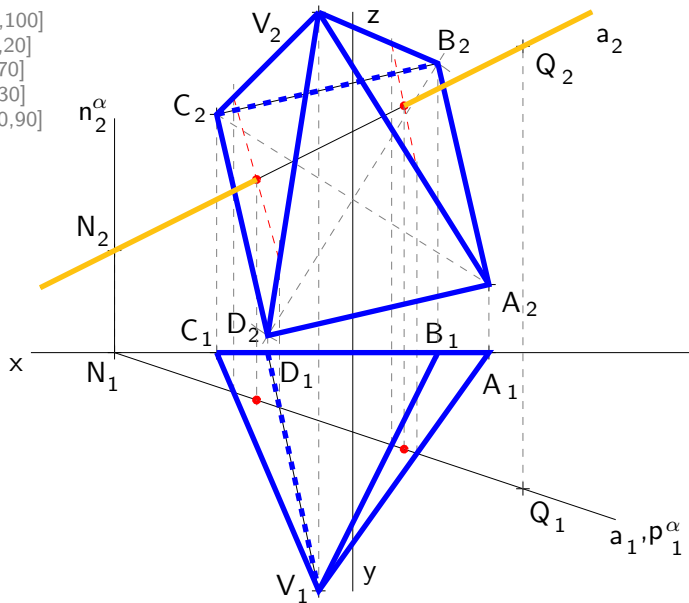
A[-40,0,20]

C[40,0,70]

N[70,0,30]

Q[-50,40,90]

a=NQ



# Mongeovo promítání - jehlan a přímka

$V[10,70,100]$

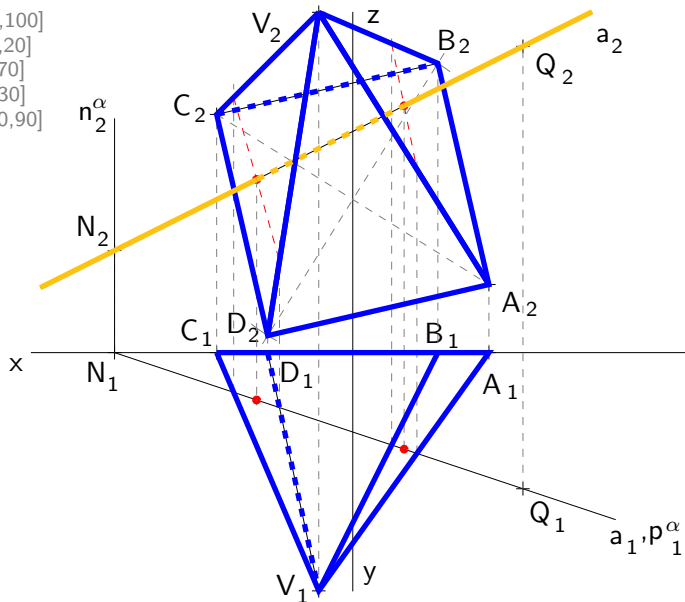
$A[-40,0,20]$

$C[40,0,70]$

$N[70,0,30]$

$Q[-50,40,90]$

$a=NQ$



# Mongeovo promítání - jehlan a přímka

V[10,70,100]

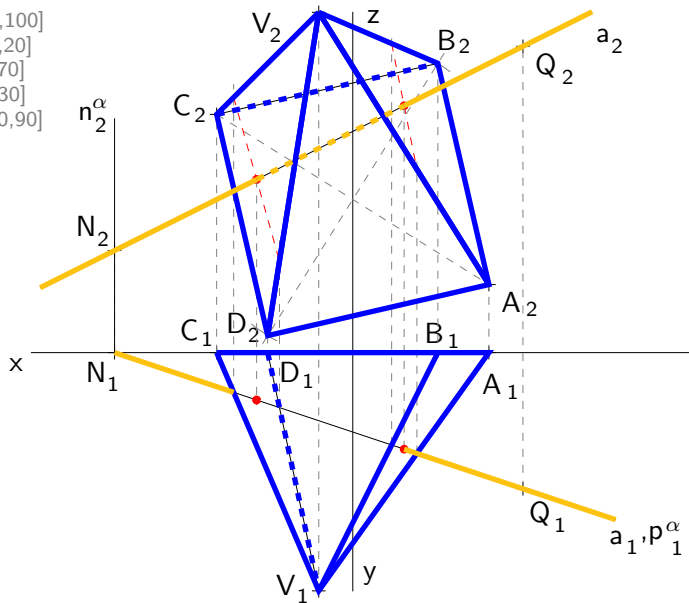
A[-40,0,20]

C[40,0,70]

N[70,0,30]

Q[-50,40,90]

a=NQ



# Mongeovo promítání - jehlan a přímka

$V[10,70,100]$

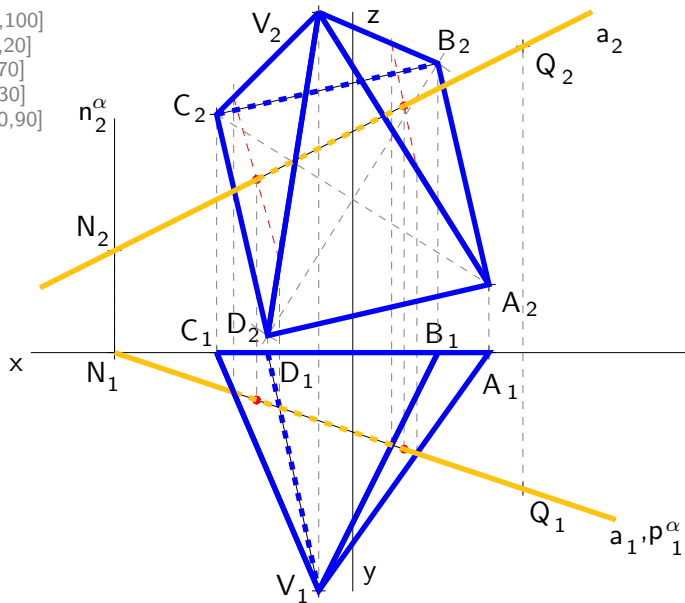
$A[-40,0,20]$

$C[40,0,70]$

$N[70,0,30]$

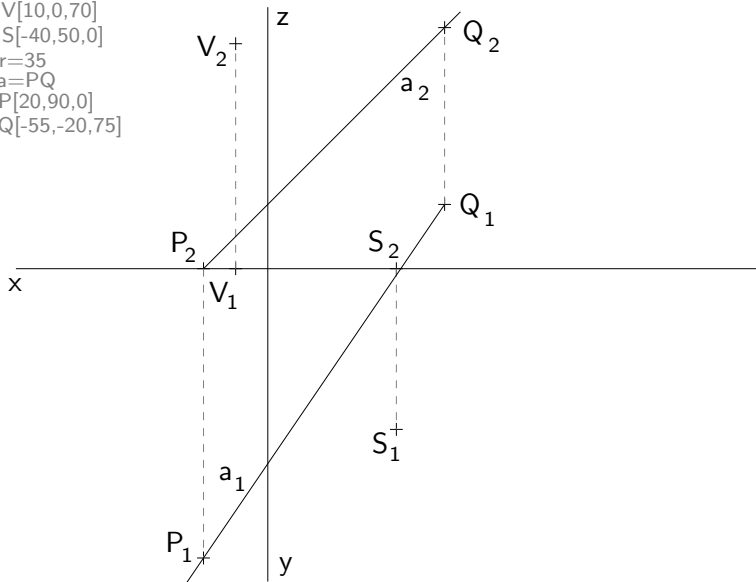
$Q[-50,40,90]$

$a=NQ$



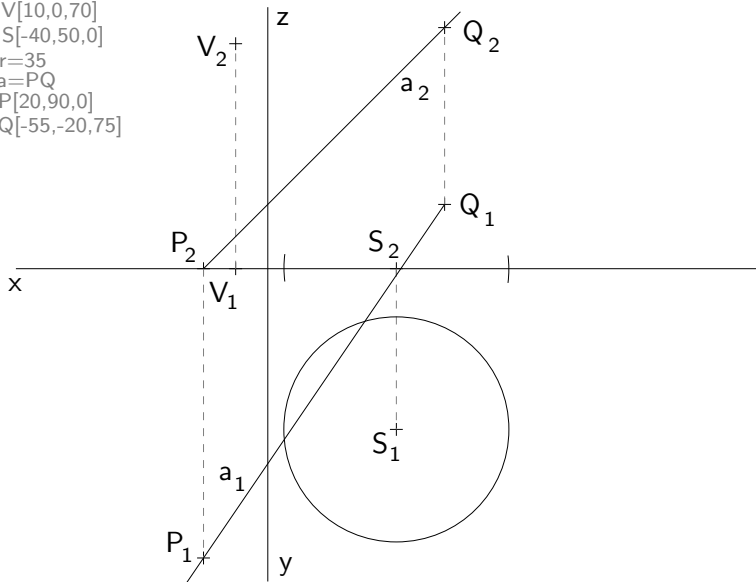
# Mongeovo promítání - kužel a přímka

$V[10,0,70]$   
 $S[-40,50,0]$   
 $r=35$   
 $a=PQ$   
 $P[20,90,0]$   
 $Q[-55,-20,75]$



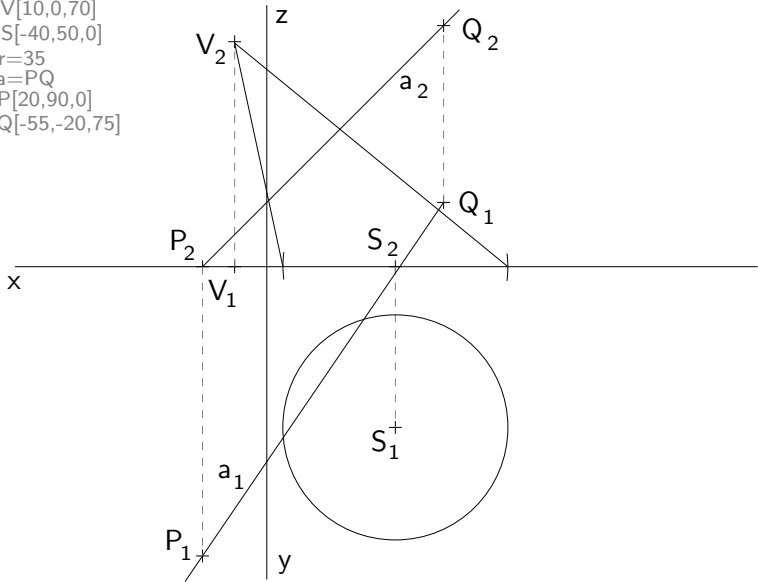
# Mongeovo promítání - kužel a přímka

$V[10,0,70]$   
 $S[-40,50,0]$   
 $r=35$   
 $a=PQ$   
 $P[20,90,0]$   
 $Q[-55,-20,75]$



## Mongeovo promítání - kužel a přímka

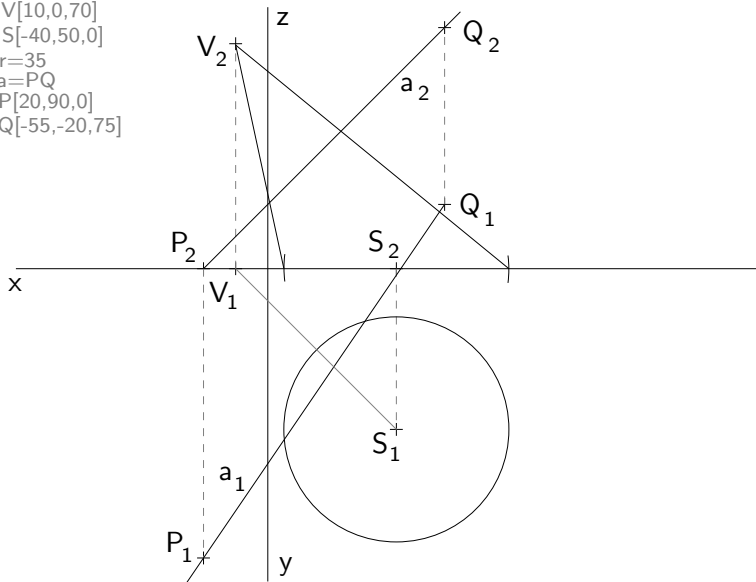
V[10,0,70]  
S[-40,50,0]  
r=35  
a=PQ  
P[20,90,0]  
Q[-55,-20,75]





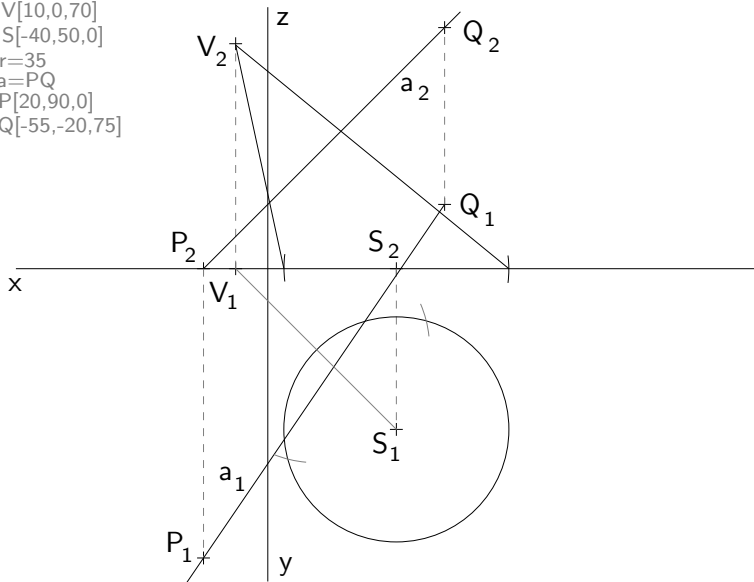
# Mongeovo promítání - kužel a přímka

$V[10,0,70]$   
 $S[-40,50,0]$   
 $r=35$   
 $a=PQ$   
 $P[20,90,0]$   
 $Q[-55,-20,75]$



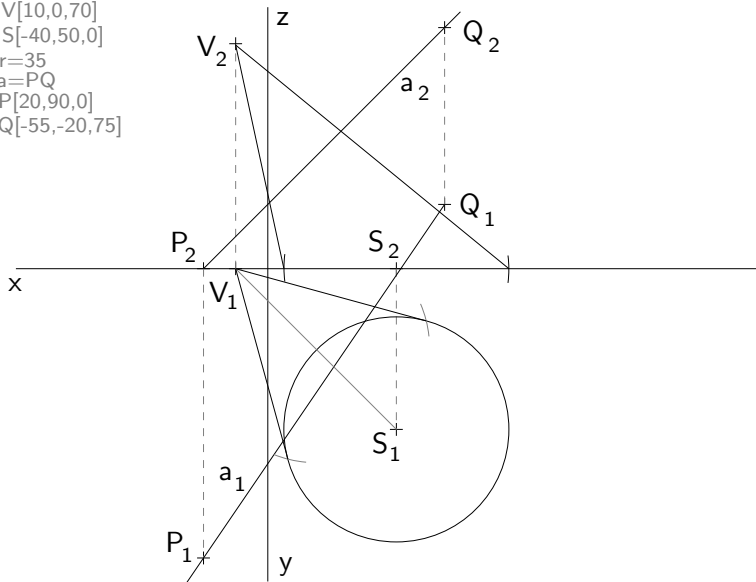
# Mongeovo promítání - kužel a přímka

$V[10,0,70]$   
 $S[-40,50,0]$   
 $r=35$   
 $a=PQ$   
 $P[20,90,0]$   
 $Q[-55,-20,75]$



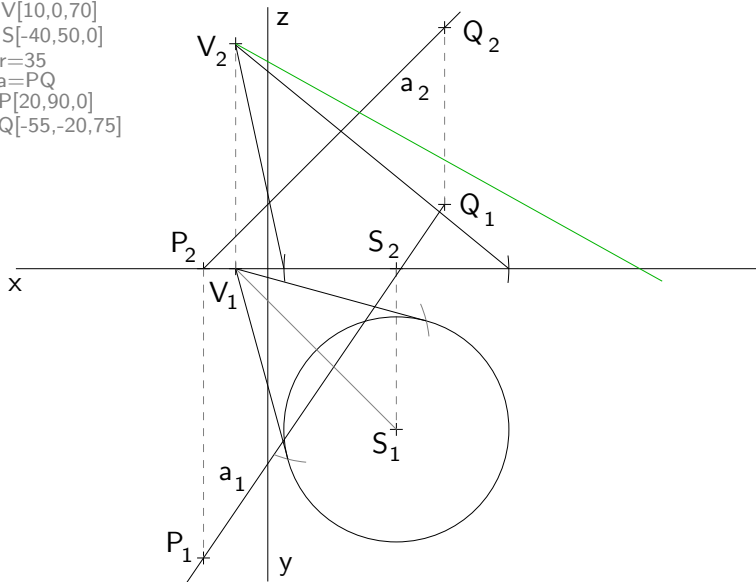
# Mongeovo promítání - kužel a přímka

$V[10,0,70]$   
 $S[-40,50,0]$   
 $r=35$   
 $a=PQ$   
 $P[20,90,0]$   
 $Q[-55,-20,75]$



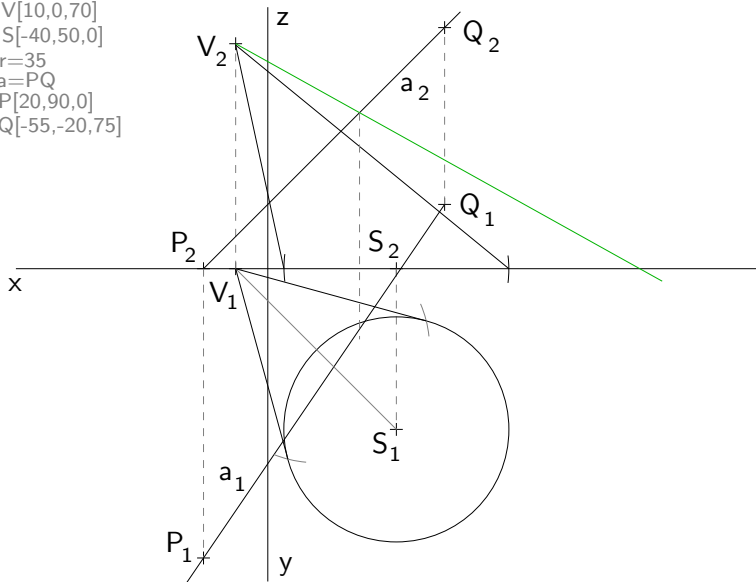
# Mongeovo promítání - kužel a přímka

$V[10,0,70]$   
 $S[-40,50,0]$   
 $r=35$   
 $a=PQ$   
 $P[20,90,0]$   
 $Q[-55,-20,75]$



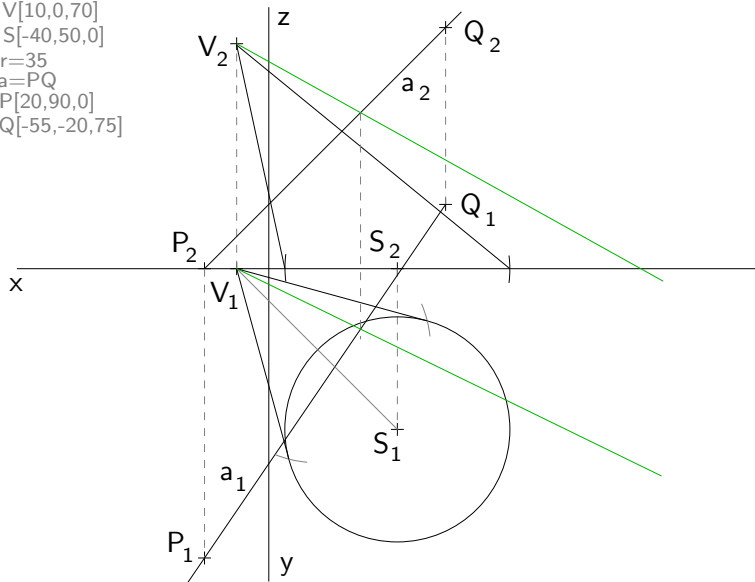
# Mongeovo promítání - kužel a přímka

$V[10,0,70]$   
 $S[-40,50,0]$   
 $r=35$   
 $a=PQ$   
 $P[20,90,0]$   
 $Q[-55,-20,75]$



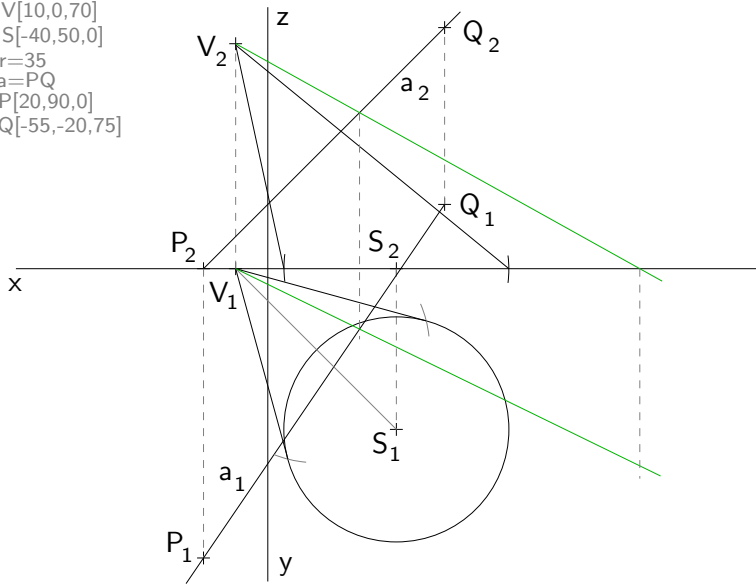
# Mongeovo promítání - kužel a přímka

$V[10,0,70]$   
 $S[-40,50,0]$   
 $r=35$   
 $a=PQ$   
 $P[20,90,0]$   
 $Q[-55,-20,75]$



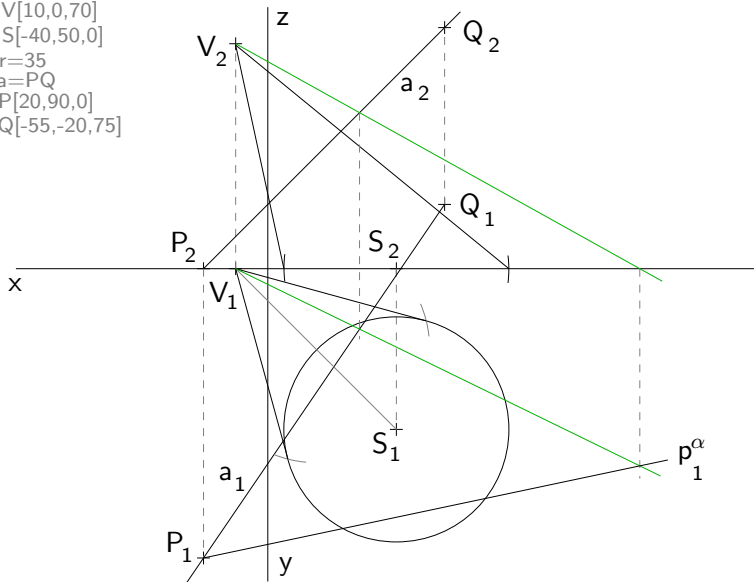
# Mongeovo promítání - kužel a přímka

$V[10,0,70]$   
 $S[-40,50,0]$   
 $r=35$   
 $a=PQ$   
 $P[20,90,0]$   
 $Q[-55,-20,75]$



# Mongeovo promítání - kužel a přímka

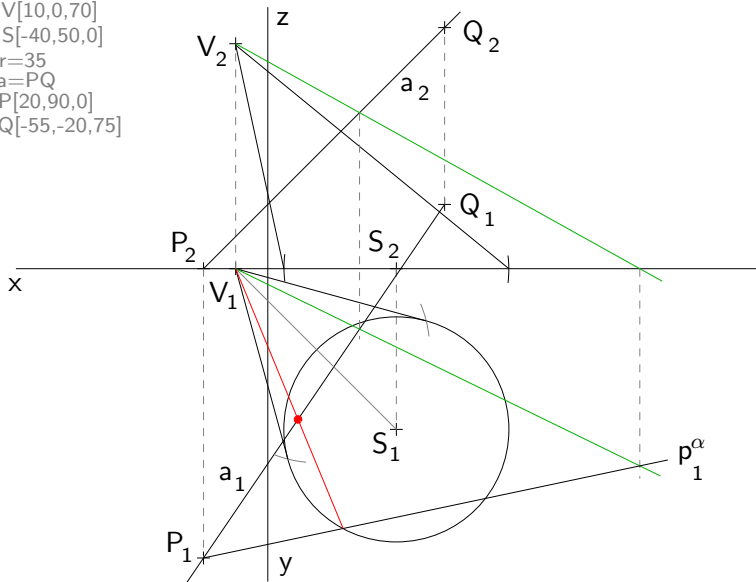
$V[10,0,70]$   
 $S[-40,50,0]$   
 $r=35$   
 $a=PQ$   
 $P[20,90,0]$   
 $Q[-55,-20,75]$





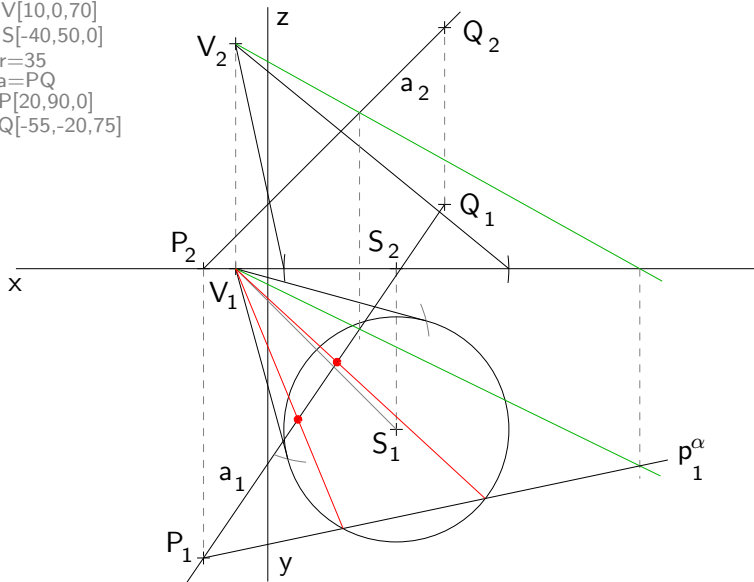
# Mongeovo promítání - kužel a přímka

$V[10,0,70]$   
 $S[-40,50,0]$   
 $r=35$   
 $a=PQ$   
 $P[20,90,0]$   
 $Q[-55,-20,75]$



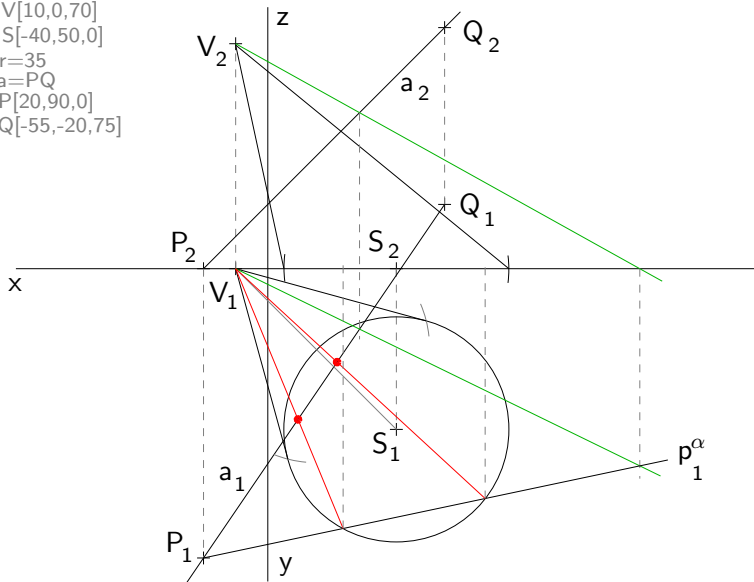
# Mongeovo promítání - kužel a přímka

$V[10,0,70]$   
 $S[-40,50,0]$   
 $r=35$   
 $a=PQ$   
 $P[20,90,0]$   
 $Q[-55,-20,75]$



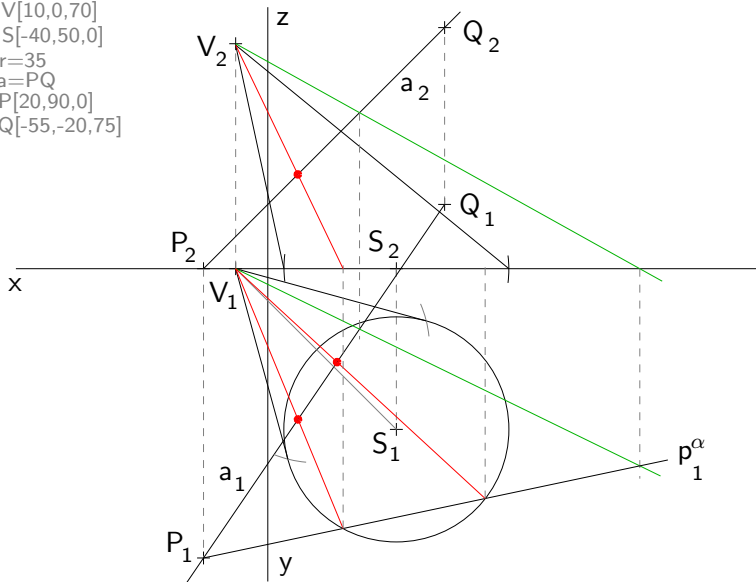
# Mongeovo promítání - kužel a přímka

$V[10,0,70]$   
 $S[-40,50,0]$   
 $r=35$   
 $a=PQ$   
 $P[20,90,0]$   
 $Q[-55,-20,75]$



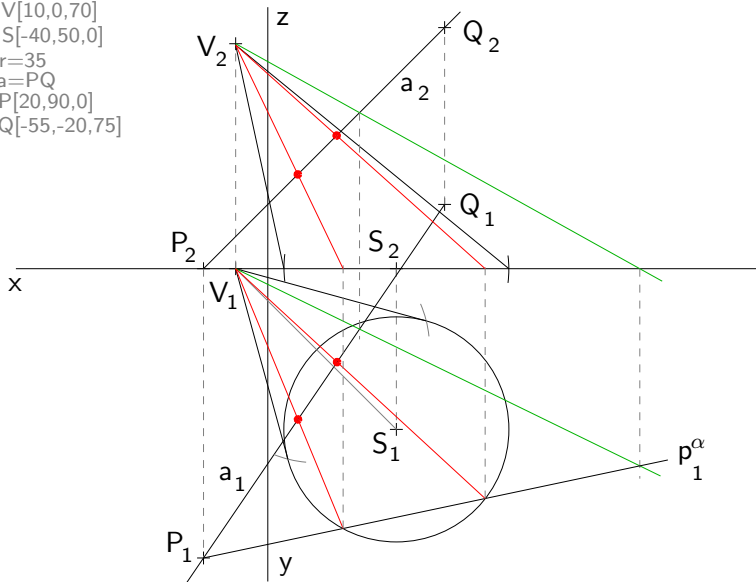
# Mongeovo promítání - kužel a přímka

$V[10,0,70]$   
 $S[-40,50,0]$   
 $r=35$   
 $a=PQ$   
 $P[20,90,0]$   
 $Q[-55,-20,75]$



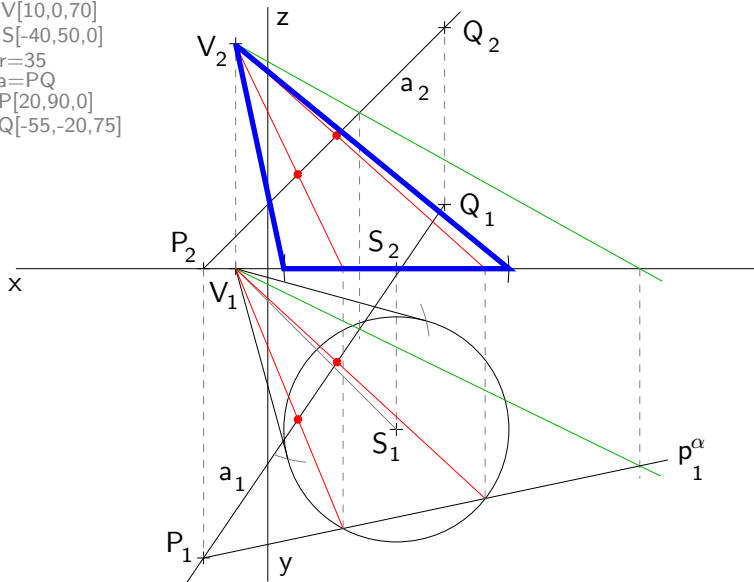
# Mongeovo promítání - kužel a přímka

$V[10,0,70]$   
 $S[-40,50,0]$   
 $r=35$   
 $a=PQ$   
 $P[20,90,0]$   
 $Q[-55,-20,75]$



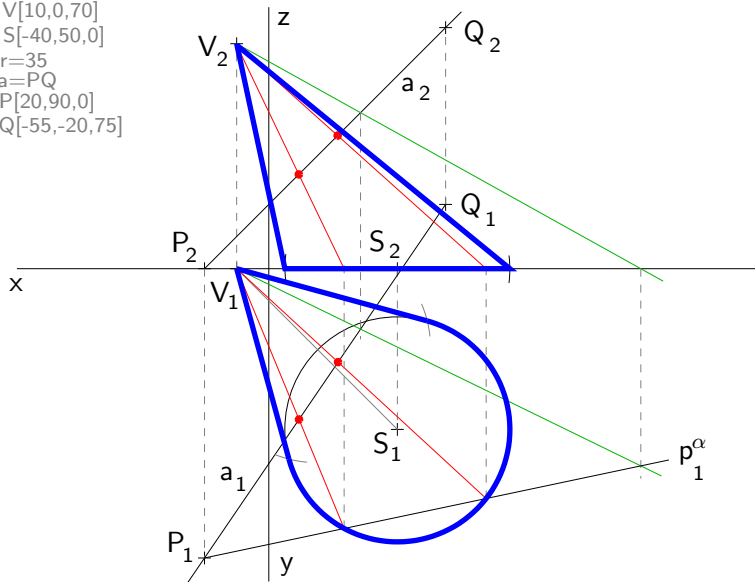
# Mongeovo promítání - kužel a přímka

$V[10,0,70]$   
 $S[-40,50,0]$   
 $r=35$   
 $a=PQ$   
 $P[20,90,0]$   
 $Q[-55,-20,75]$



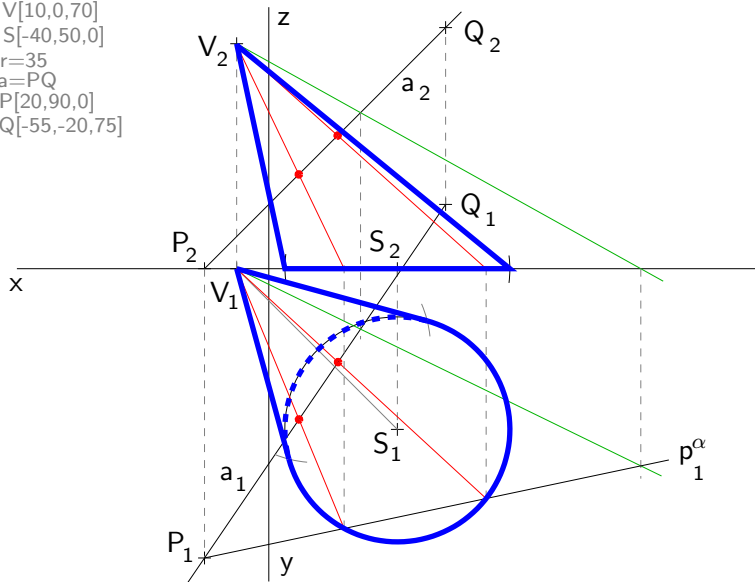
# Mongeovo promítání - kužel a přímka

$V[10,0,70]$   
 $S[-40,50,0]$   
 $r=35$   
 $a=PQ$   
 $P[20,90,0]$   
 $Q[-55,-20,75]$



# Mongeovo promítání - kužel a přímka

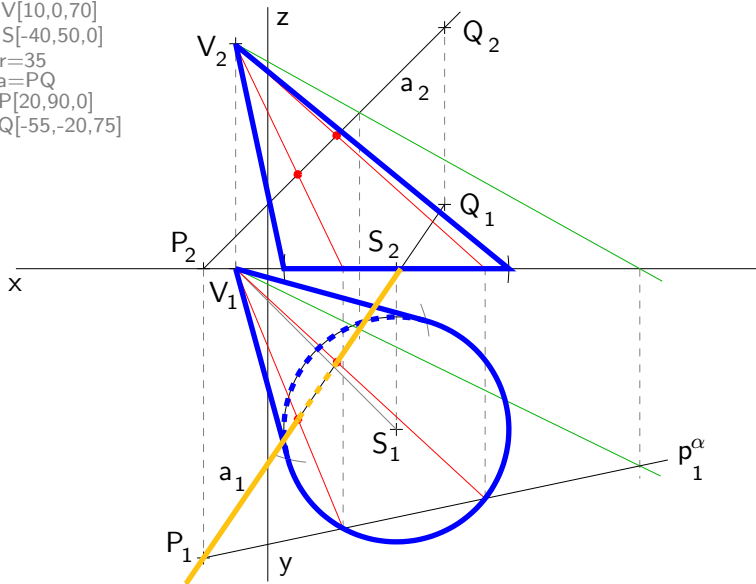
$V[10,0,70]$   
 $S[-40,50,0]$   
 $r=35$   
 $a=PQ$   
 $P[20,90,0]$   
 $Q[-55,-20,75]$





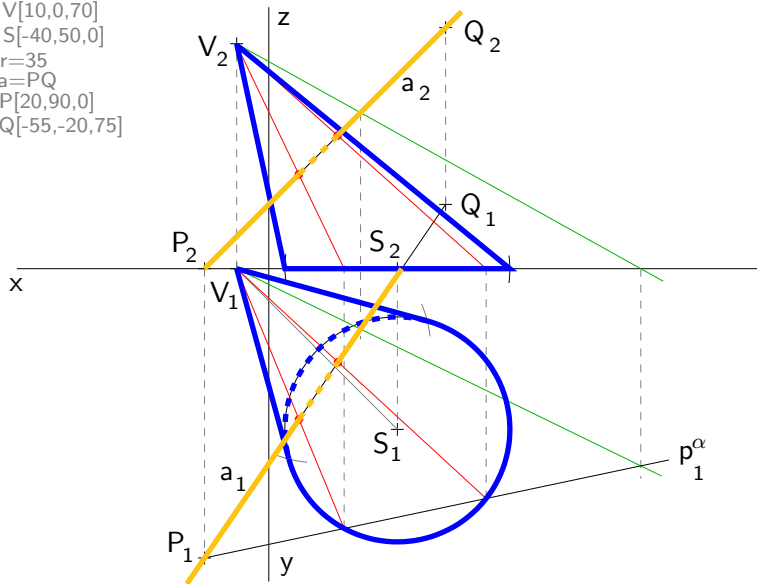
# Mongeovo promítání - kužel a přímka

$V[10,0,70]$   
 $S[-40,50,0]$   
 $r=35$   
 $a=PQ$   
 $P[20,90,0]$   
 $Q[-55,-20,75]$



# Mongeovo promítání - kužel a přímka

$V[10,0,70]$   
 $S[-40,50,0]$   
 $r=35$   
 $a=PQ$   
 $P[20,90,0]$   
 $Q[-55,-20,75]$



# Axonometrie - průnik válce a kužele

XYZ(70,80,70)

$S=[0,0,0]$

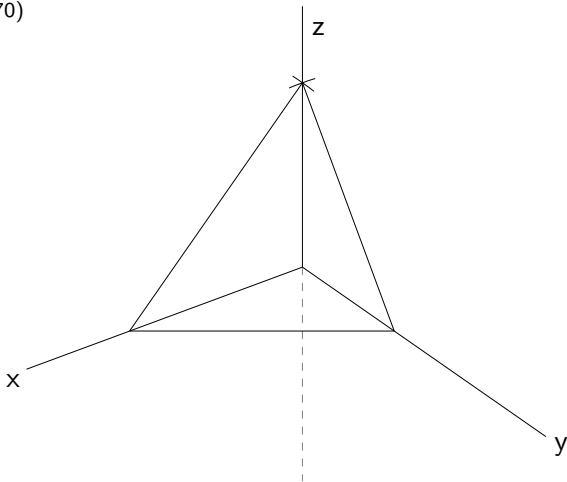
$r=30$

$v=60$

$S'=[0,30,0]$

$r'=40$

$v'=60$



# Axonometrie - průnik válce a kužele

XYZ(70,80,70)

$S=[0,0,0]$

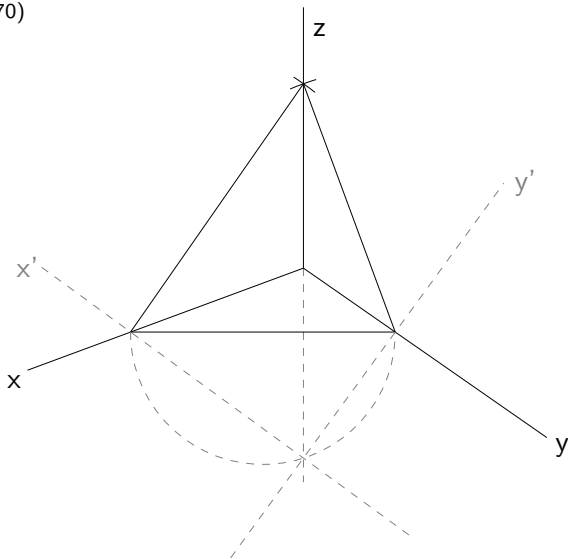
$r=30$

$v=60$

$S'=[0,30,0]$

$r'=40$

$v'=60$



# Axonometrie - průnik válce a kužele

XYZ(70,80,70)

$S=[0,0,0]$

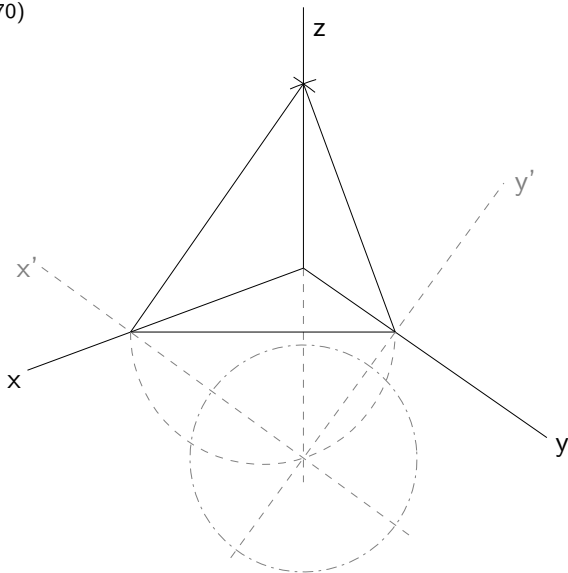
$r=30$

$v=60$

$S'=[0,30,0]$

$r'=40$

$v'=60$



# Axonometrie - průnik válce a kužele

XYZ(70,80,70)

$S=[0,0,0]$

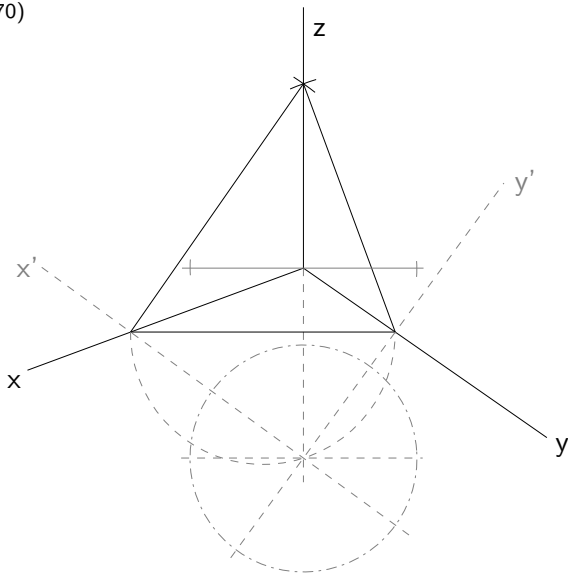
$r=30$

$v=60$

$S'=[0,30,0]$

$r'=40$

$v'=60$



# Axonometrie - průnik válce a kužele

XYZ(70,80,70)

$S=[0,0,0]$

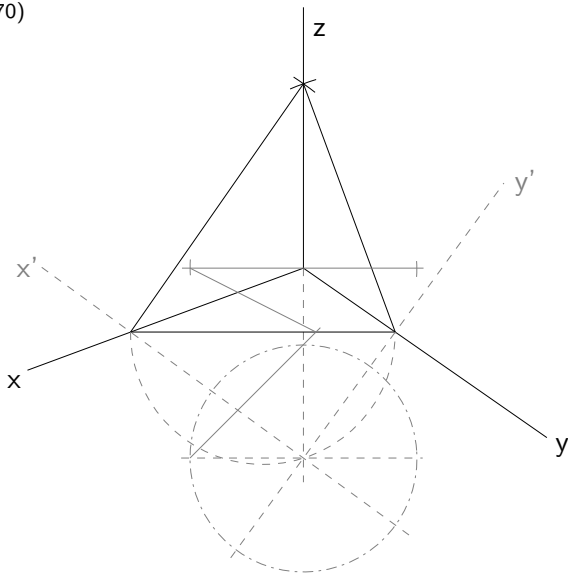
$r=30$

$v=60$

$S'=[0,30,0]$

$r'=40$

$v'=60$



# Axonometrie - průnik válce a kužele

XYZ(70,80,70)

$S=[0,0,0]$

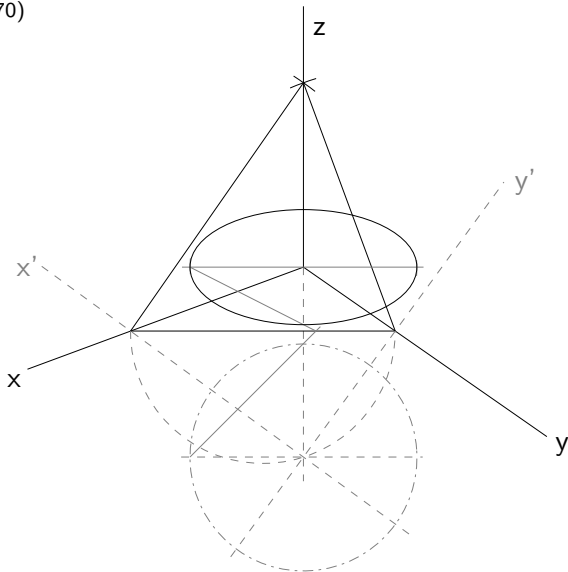
$r=30$

$v=60$

$S'=[0,30,0]$

$r'=40$

$v'=60$





# Axonometrie - průnik válce a kužele

XYZ(70,80,70)

$S=[0,0,0]$

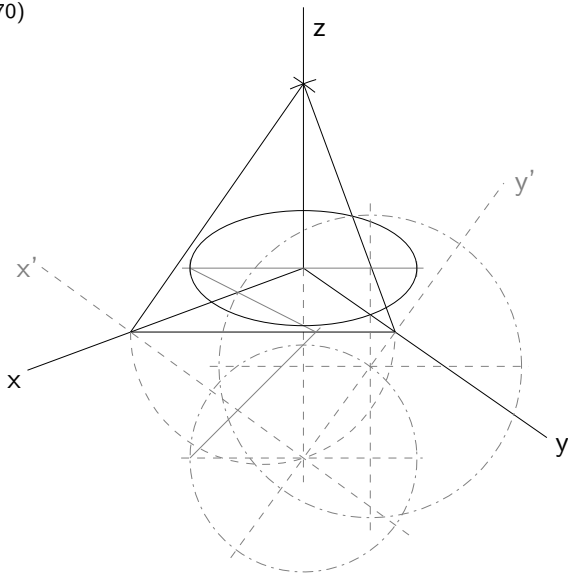
$r=30$

$v=60$

$S'=[0,30,0]$

$r'=40$

$v'=60$



# Axonometrie - průnik válce a kužele

XYZ(70,80,70)

$S=[0,0,0]$

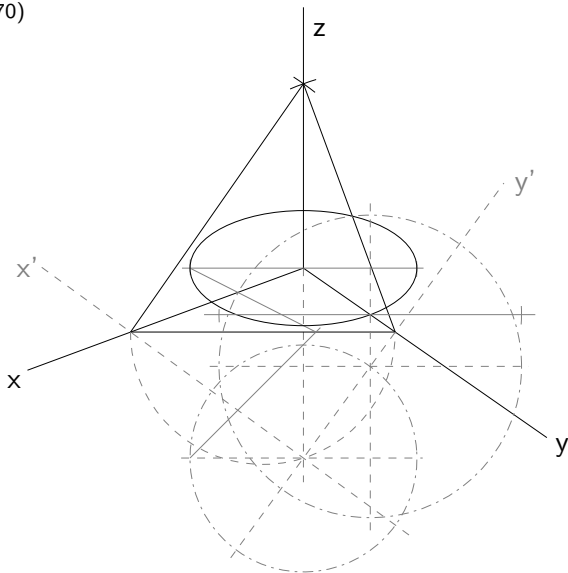
$r=30$

$v=60$

$S'=[0,30,0]$

$r'=40$

$v'=60$



# Axonometrie - průnik válce a kužele

XYZ(70,80,70)

$S=[0,0,0]$

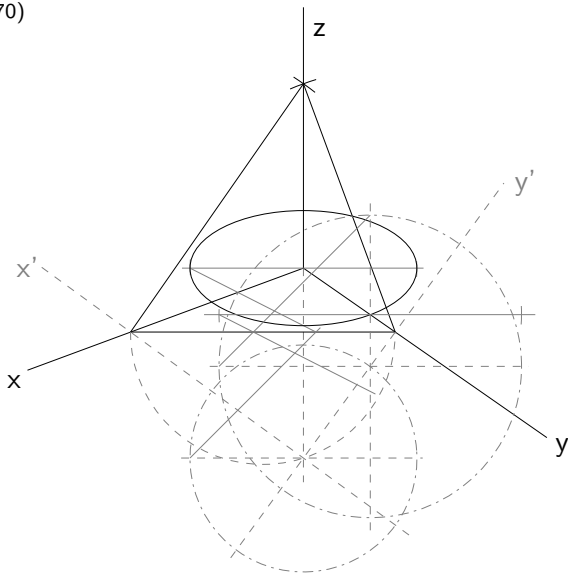
$r=30$

$v=60$

$S'=[0,30,0]$

$r'=40$

$v'=60$



# Axonometrie - průnik válce a kužele

XYZ(70,80,70)

$S=[0,0,0]$

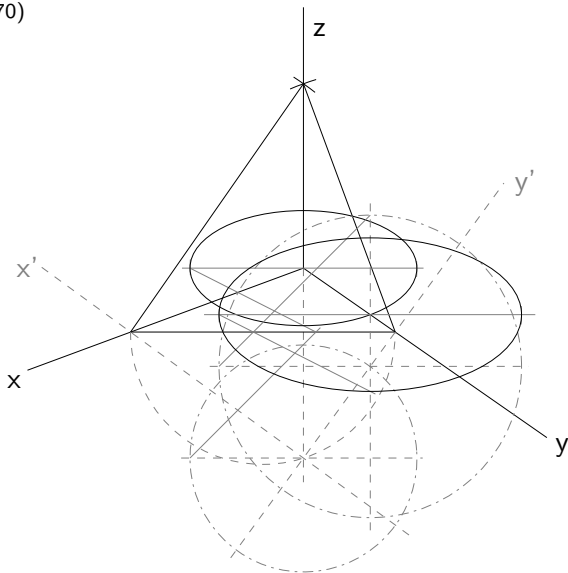
$r=30$

$v=60$

$S'=[0,30,0]$

$r'=40$

$v'=60$



# Axonometrie - průnik válce a kužele

XYZ(70,80,70)

$S=[0,0,0]$

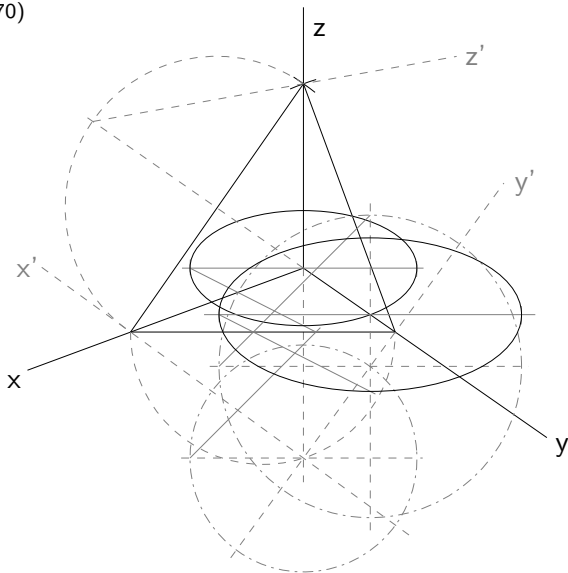
$r=30$

$v=60$

$S'=[0,30,0]$

$r'=40$

$v'=60$



# Axonometrie - průnik válce a kužele

XYZ(70,80,70)

$S=[0,0,0]$

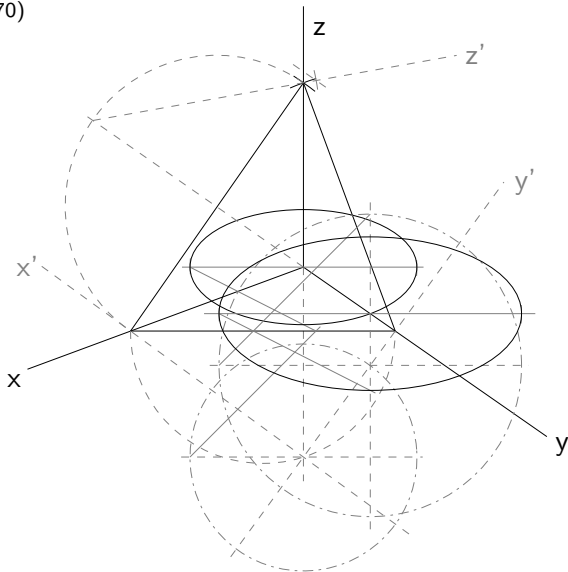
$r=30$

$v=60$

$S'=[0,30,0]$

$r'=40$

$v'=60$



# Axonometrie - průnik válce a kužele

XYZ(70,80,70)

$S=[0,0,0]$

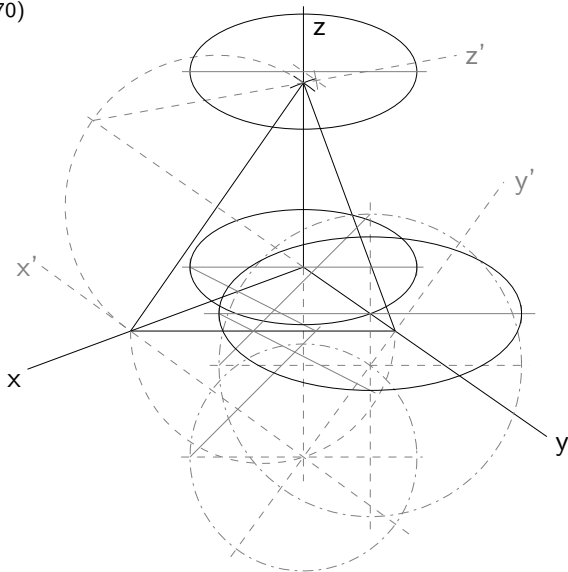
$r=30$

$v=60$

$S'=[0,30,0]$

$r'=40$

$v'=60$



# Axonometrie - průnik válce a kužele

XYZ(70,80,70)

$S=[0,0,0]$

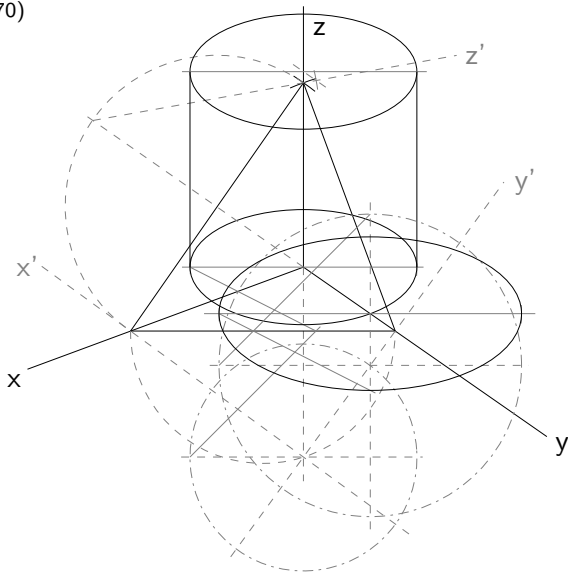
$r=30$

$v=60$

$S'=[0,30,0]$

$r'=40$

$v'=60$





# Axonometrie - průnik válce a kužele

XYZ(70,80,70)

$S=[0,0,0]$

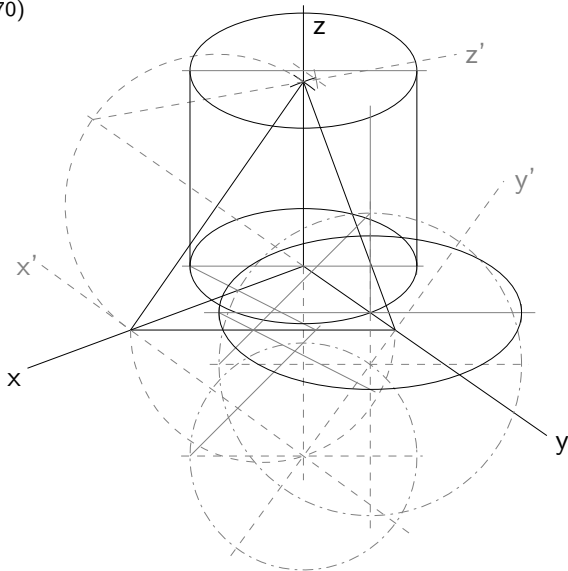
$r=30$

$v=60$

$S'=[0,30,0]$

$r'=40$

$v'=60$



# Axonometrie - průnik válce a kužele

XYZ(70,80,70)

$S=[0,0,0]$

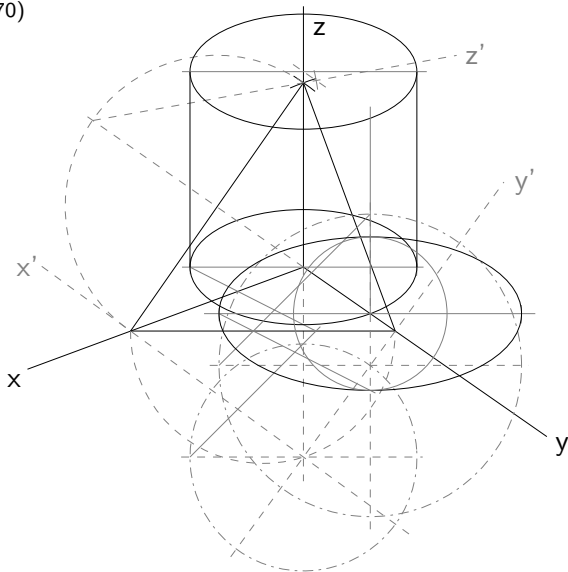
$r=30$

$v=60$

$S'=[0,30,0]$

$r'=40$

$v'=60$



# Axonometrie - průnik válce a kužele

XYZ(70,80,70)

$S=[0,0,0]$

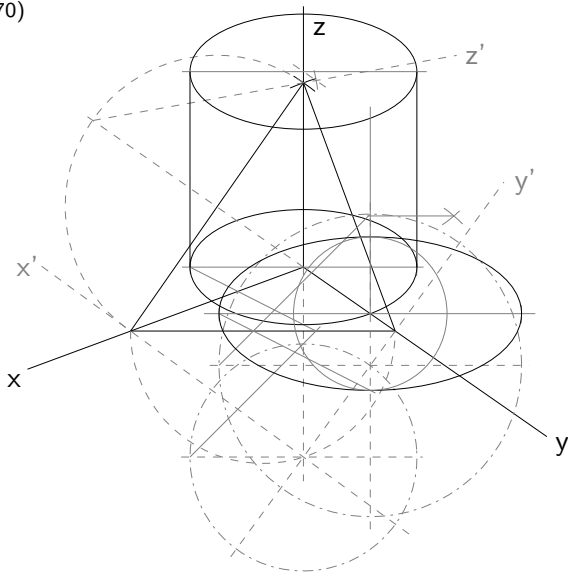
$r=30$

$v=60$

$S'=[0,30,0]$

$r'=40$

$v'=60$



# Axonometrie - průnik válce a kužele

XYZ(70,80,70)

$S=[0,0,0]$

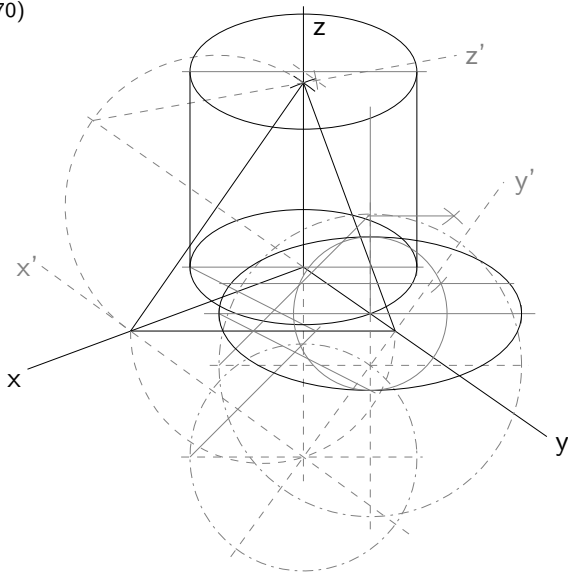
$r=30$

$v=60$

$S'=[0,30,0]$

$r'=40$

$v'=60$



# Axonometrie - průnik válce a kužele

XYZ(70,80,70)

$S=[0,0,0]$

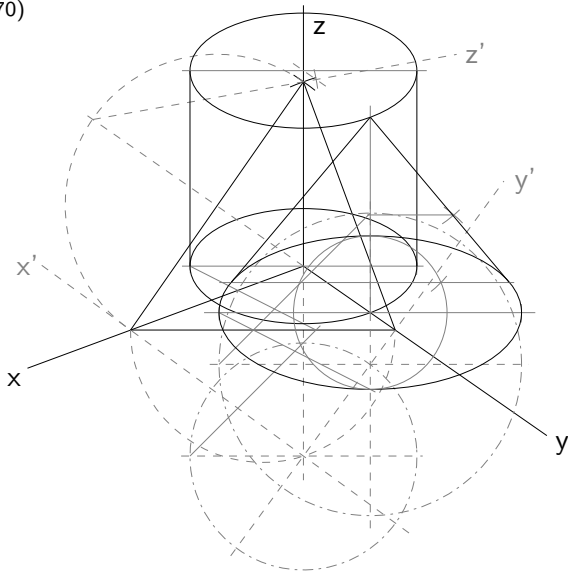
$r=30$

$v=60$

$S'=[0,30,0]$

$r'=40$

$v'=60$



# Axonometrie - průnik válce a kužele

XYZ(70,80,70)

$S=[0,0,0]$

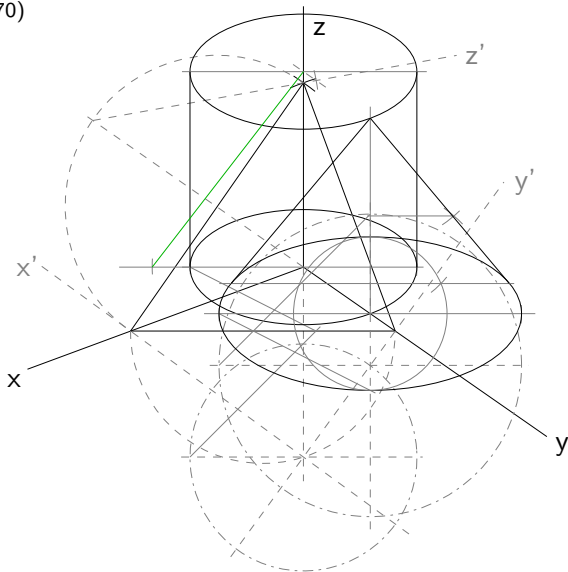
$r=30$

$v=60$

$S'=[0,30,0]$

$r'=40$

$v'=60$



# Axonometrie - průnik válce a kužele

XYZ(70,80,70)

$S=[0,0,0]$

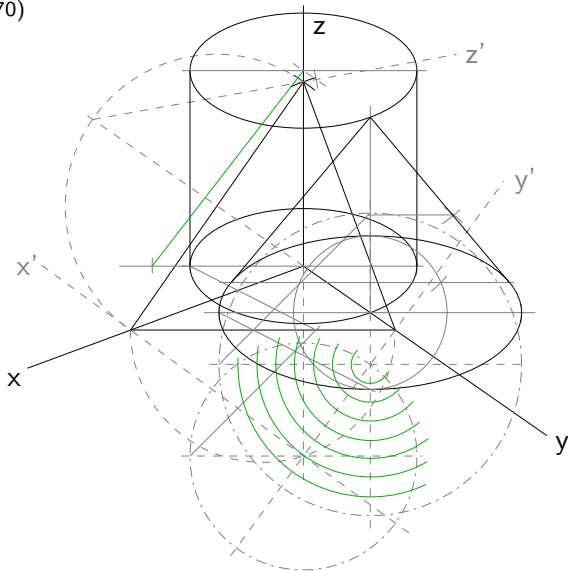
$r=30$

$v=60$

$S'=[0,30,0]$

$r'=40$

$v'=60$



# Axonometrie - průnik válce a kužele

XYZ(70,80,70)

$S=[0,0,0]$

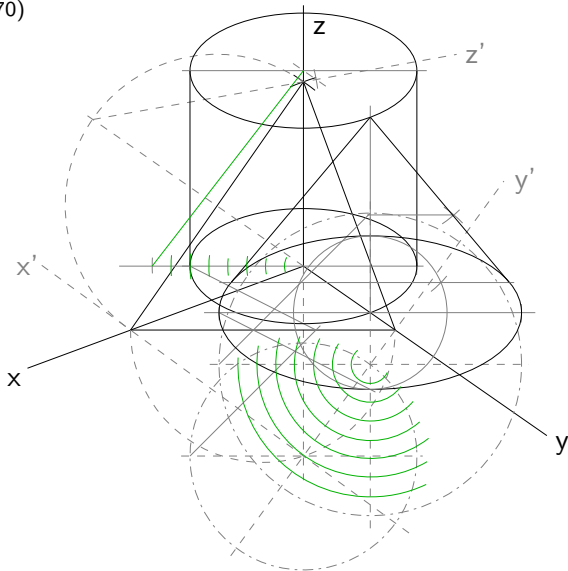
$r=30$

$v=60$

$S'=[0,30,0]$

$r'=40$

$v'=60$





# Axonometrie - průnik válce a kužele

XYZ(70,80,70)

$S=[0,0,0]$

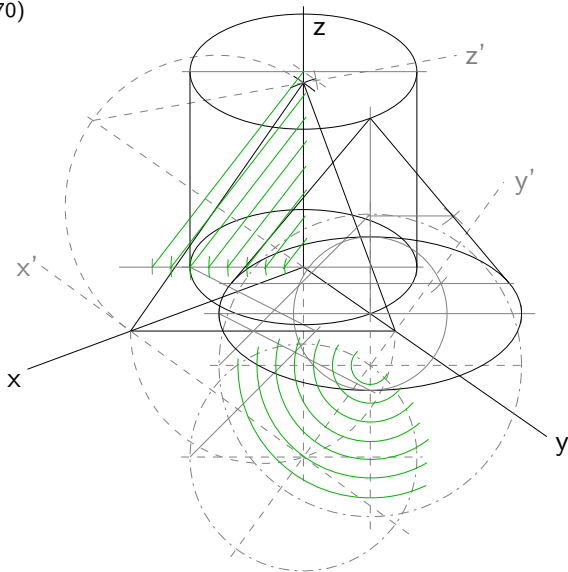
$r=30$

$v=60$

$S'=[0,30,0]$

$r'=40$

$v'=60$



# Axonometrie - průnik válce a kužele

XYZ(70,80,70)

$S=[0,0,0]$

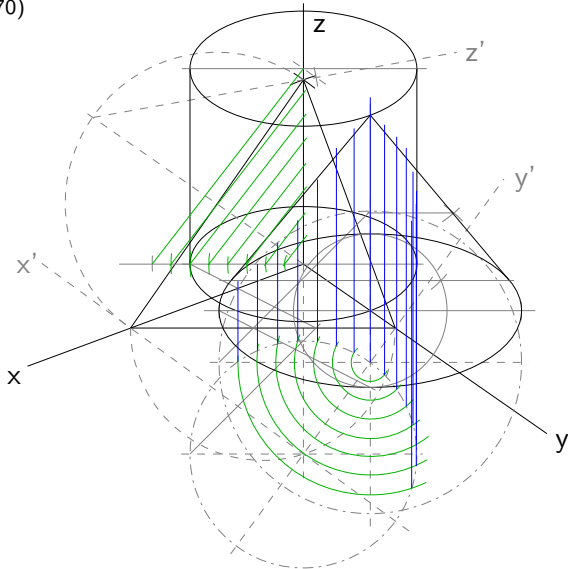
$r=30$

$v=60$

$S'=[0,30,0]$

$r'=40$

$v'=60$



# Axonometrie - průnik válce a kužele

XYZ(70,80,70)

$S=[0,0,0]$

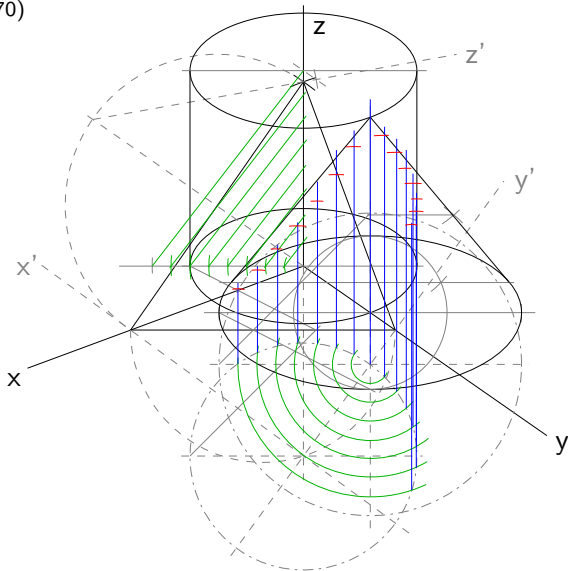
$r=30$

$v=60$

$S'=[0,30,0]$

$r'=40$

$v'=60$



# Axonometrie - průnik válce a kužele

XYZ(70,80,70)

$S=[0,0,0]$

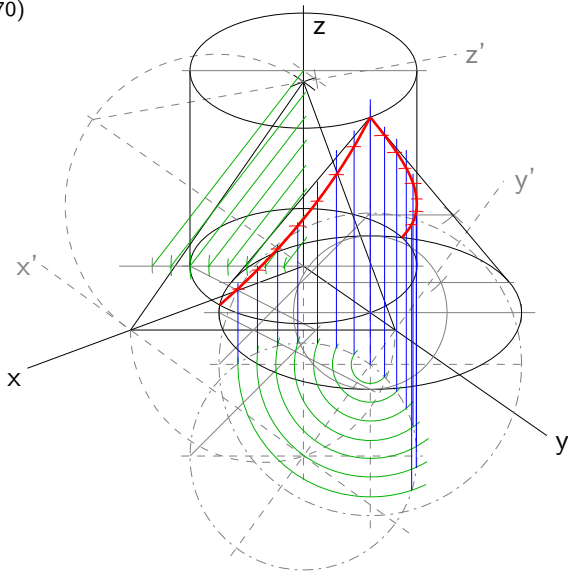
$r=30$

$v=60$

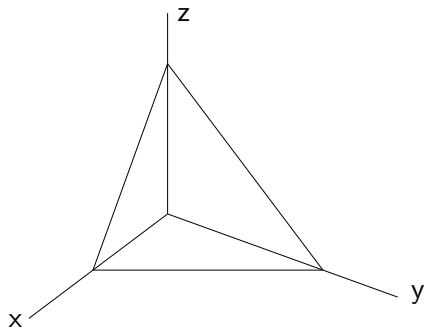
$S'=[0,30,0]$

$r'=40$

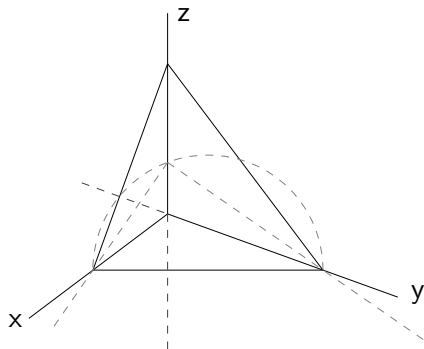
$v'=60$



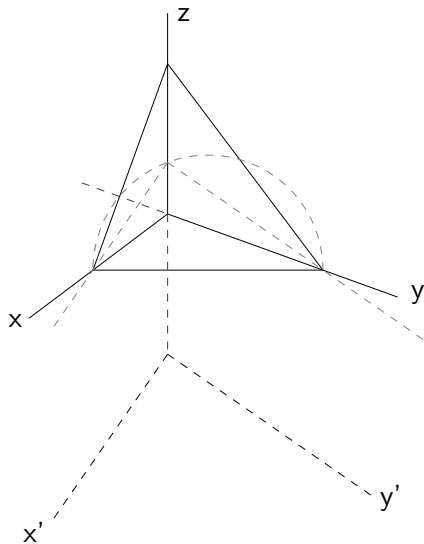
# Axonometrie - zářezová metoda



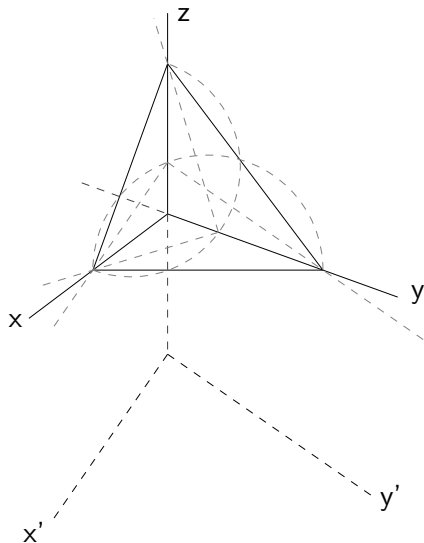
# Axonometrie - zářezová metoda



# Axonometrie - zářezová metoda

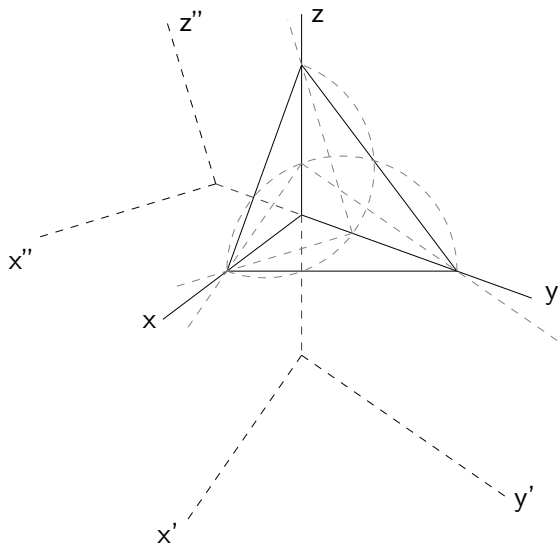


# Axonometrie - zářezová metoda

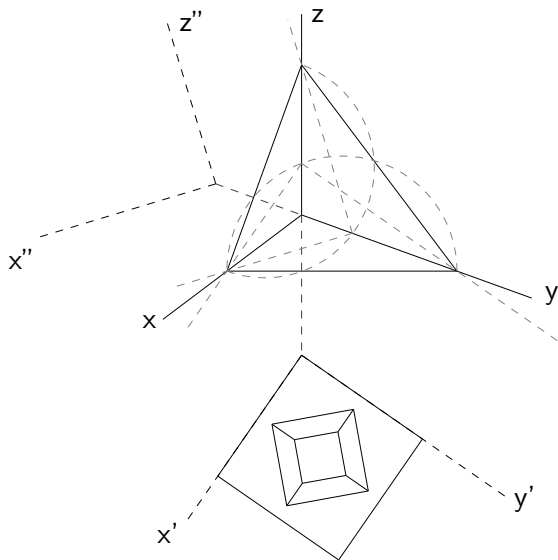




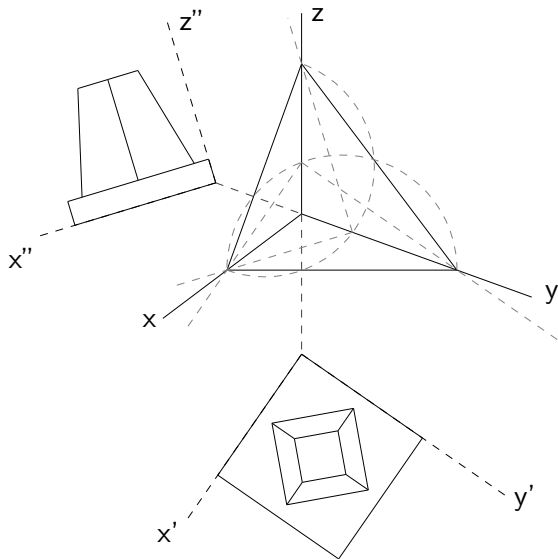
# Axonometrie - zářezová metoda



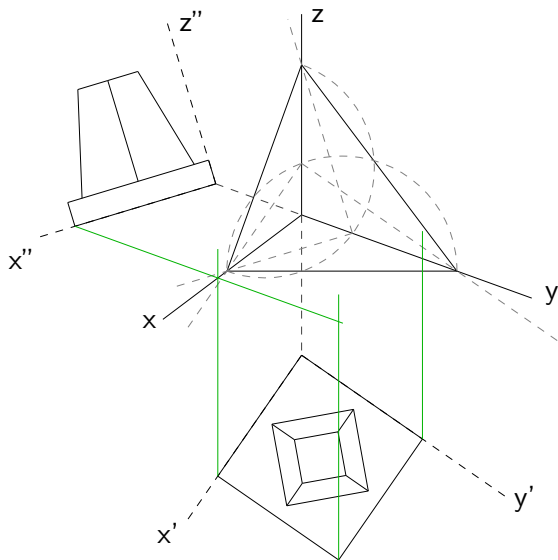
# Axonometrie - zářezová metoda



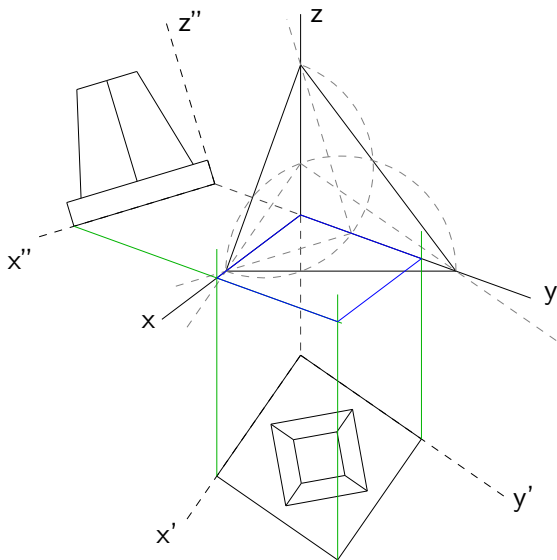
# Axonometrie - zářezová metoda



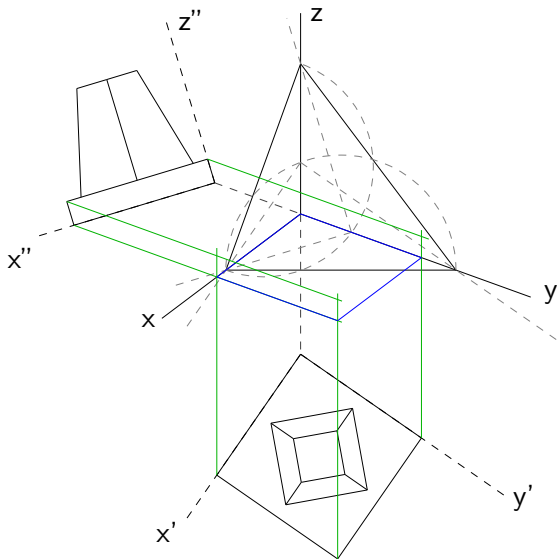
# Axonometrie - zřezová metoda



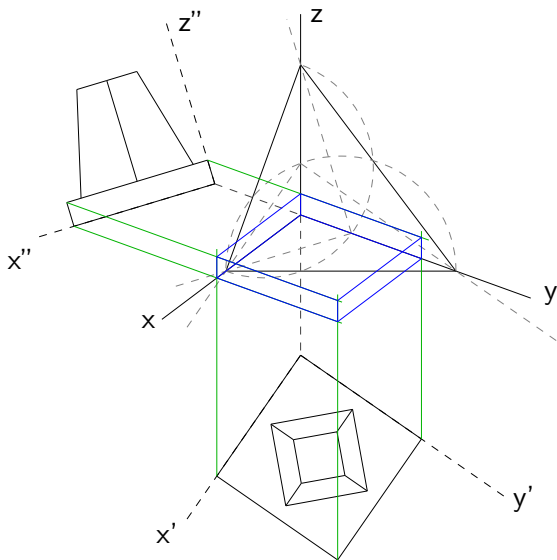
# Axonometrie - zářezová metoda



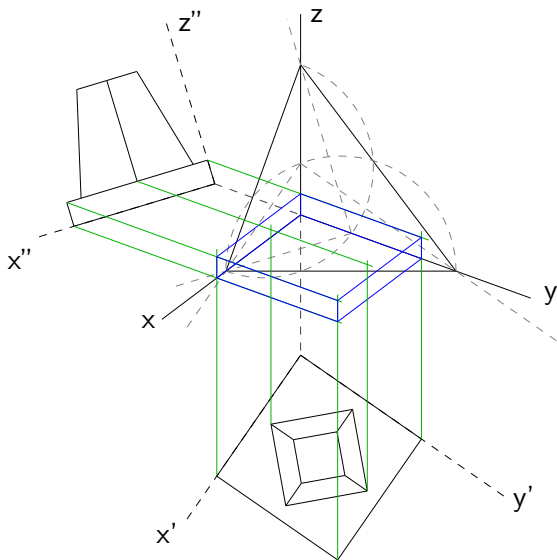
# Axonometrie - zářezová metoda



# Axonometrie - zářezová metoda

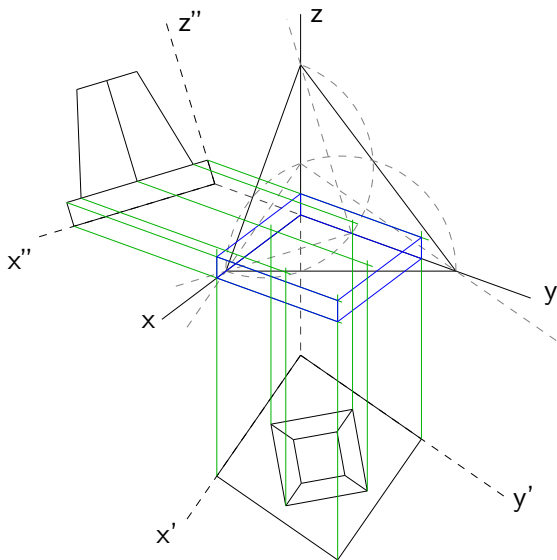


# Axonometrie - zřezová metoda

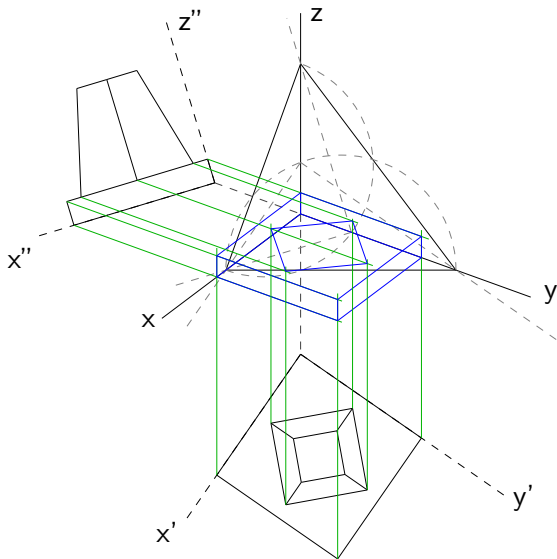




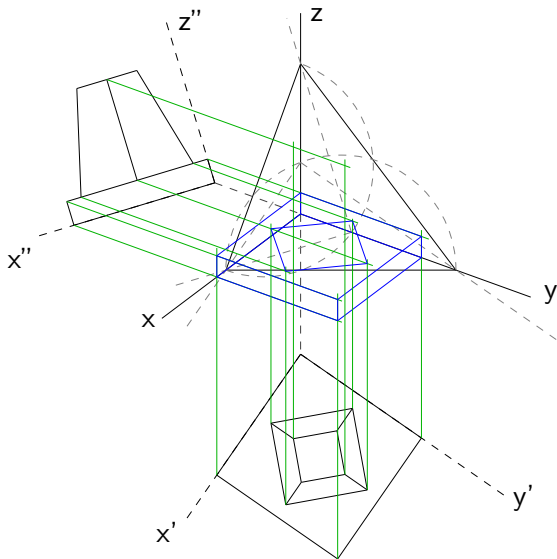
# Axonometrie - zářezová metoda



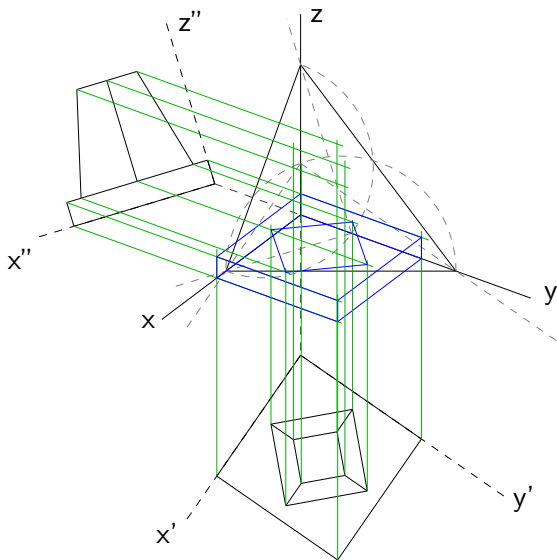
# Axonometrie - zřezová metoda



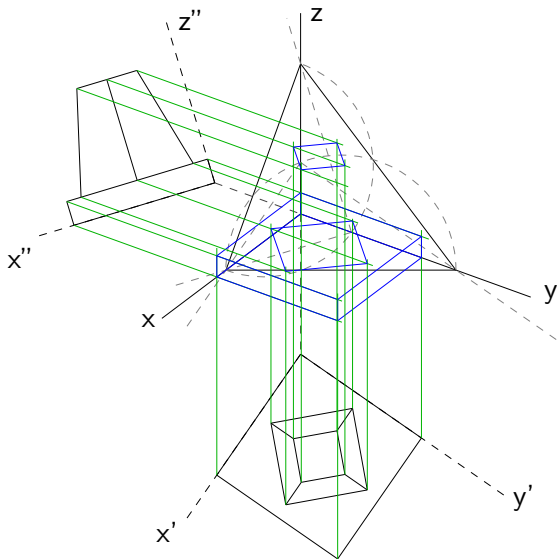
# Axonometrie - zářezová metoda



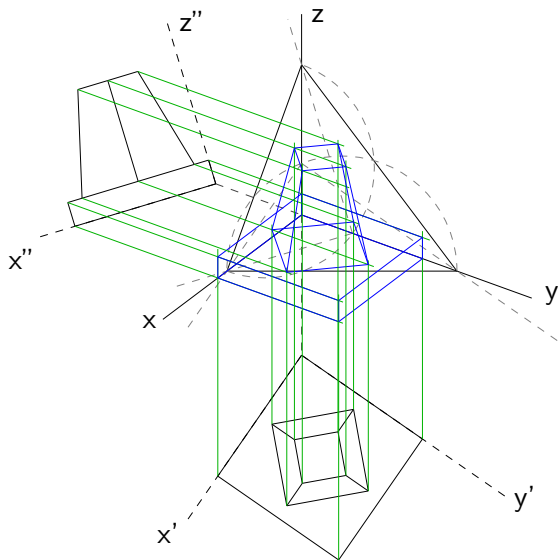
# Axonometrie - zřezová metoda



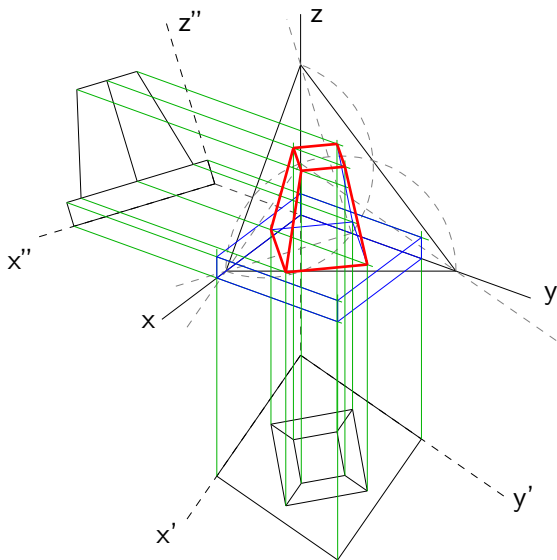
# Axonometrie - zřezová metoda



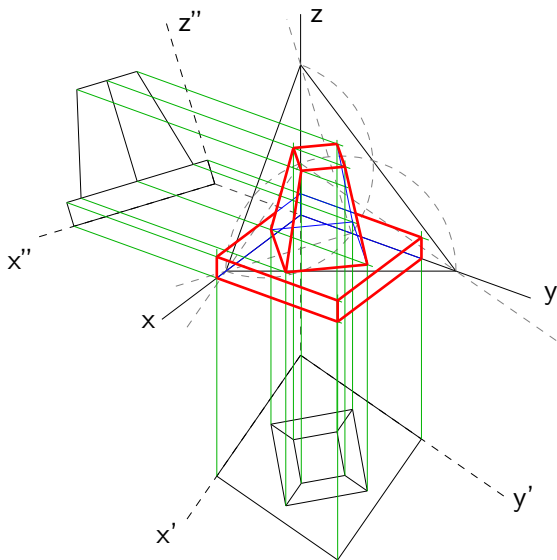
# Axonometrie - zářezová metoda



# Axonometrie - zřezová metoda

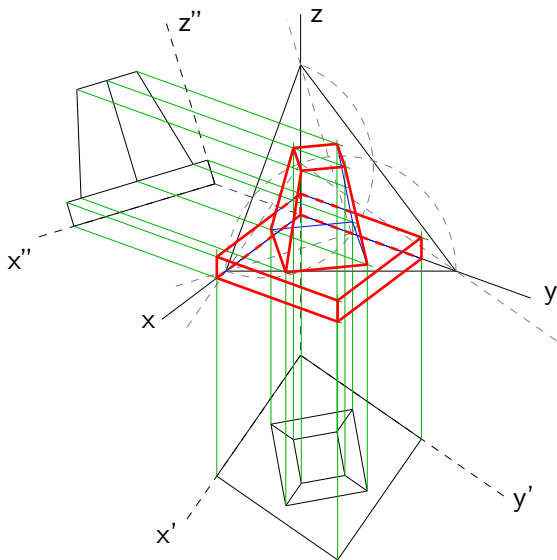


# Axonometrie - zřezová metoda





# Axonometrie - zřezová metoda



# Axonometrie - zřezová metoda

