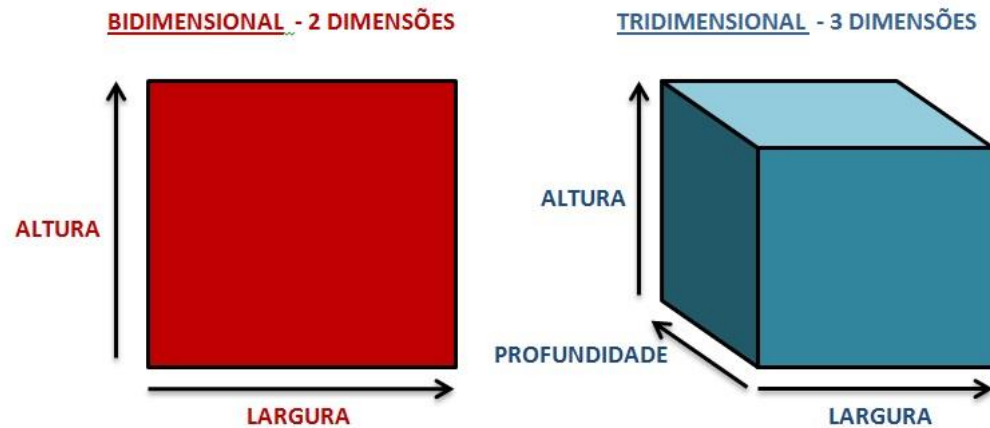


# DESENHO TÉCNICO I

## AULA 04 – PROJEÇÕES ORTOGONAIS

Faculdade Independente do Nordeste - FAINOR  
Colegiado de Engenharia Civil  
Prof. Philipe do Prado Santos

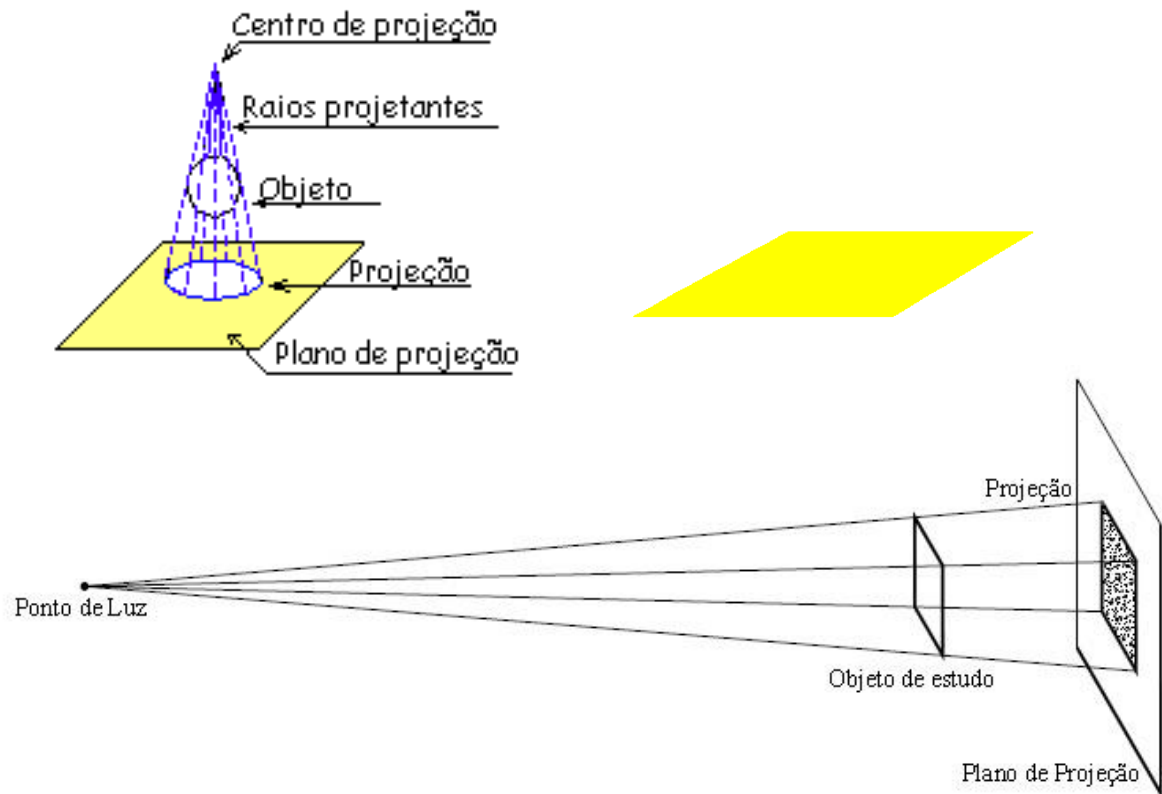
# PROJEÇÕES ORTOGONAIS



A projeção do objeto é sua representação gráfica no plano de projeção. Como os objetos têm três dimensões, sua representação será num **plano bidimensional**.

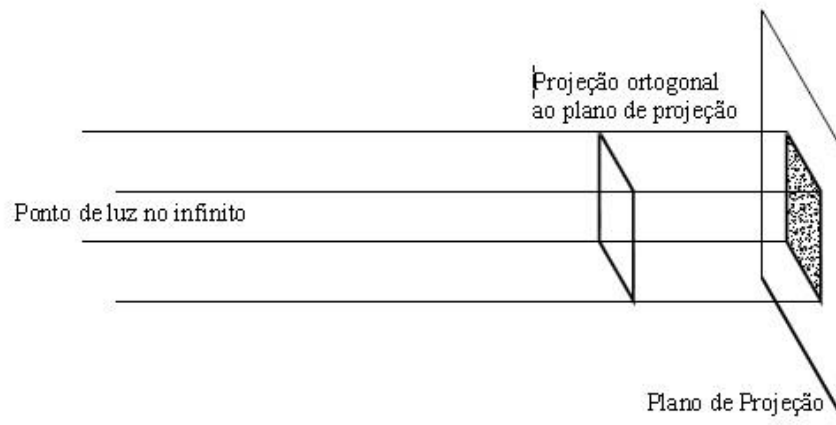
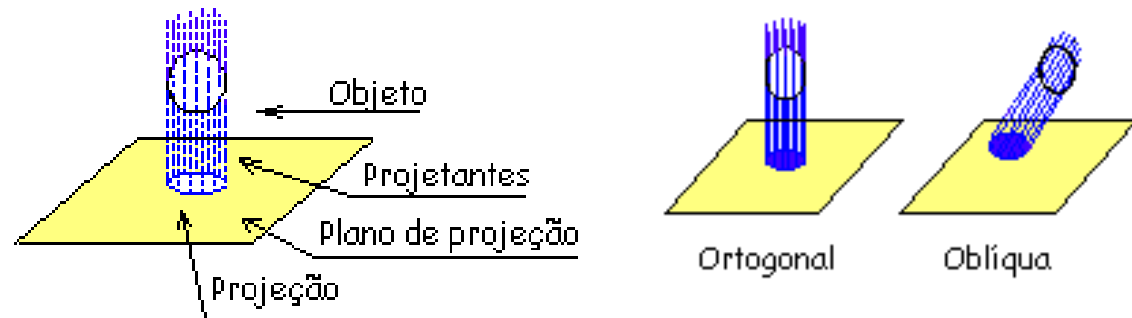
# SISTEMA CÔNICO

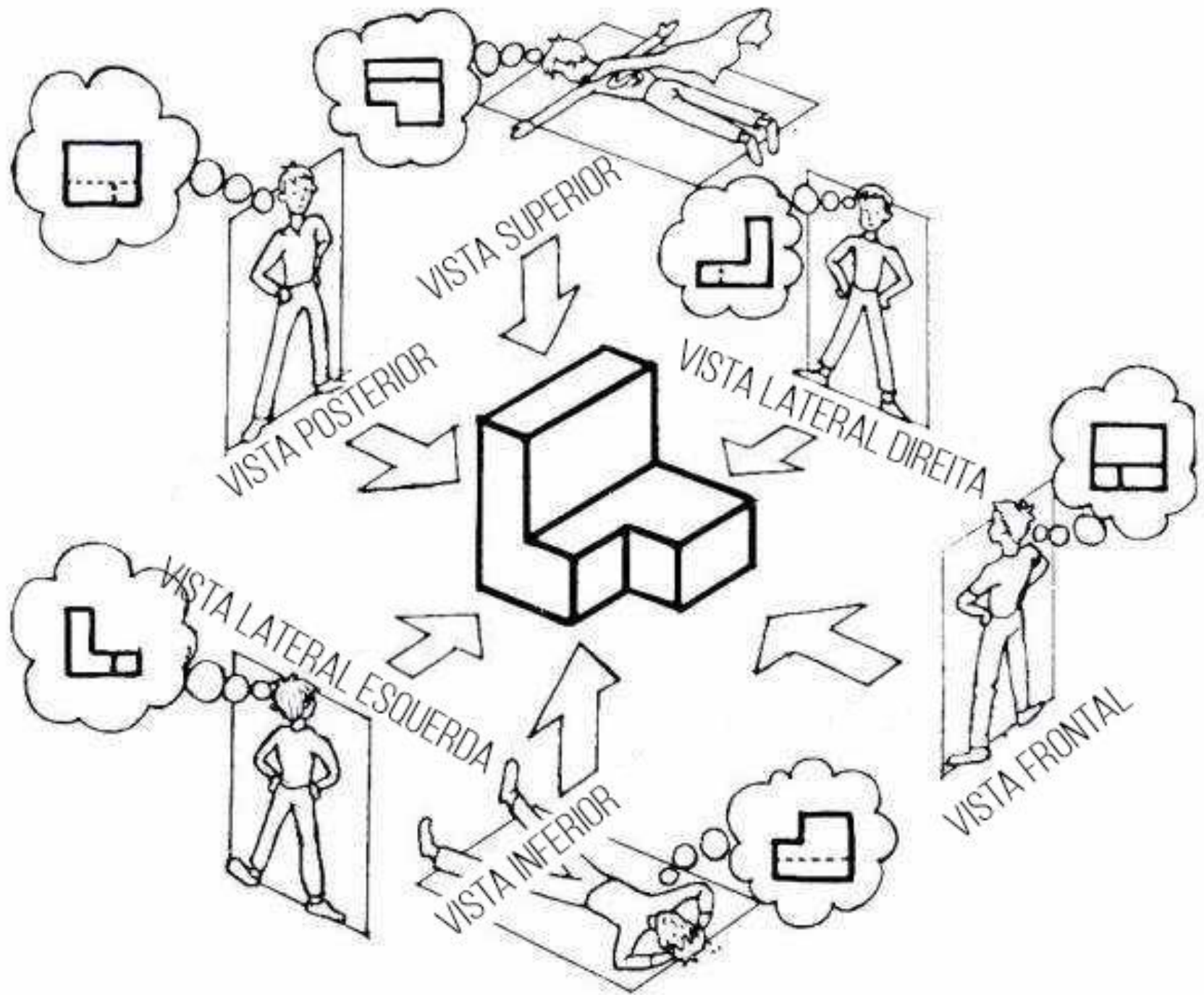
É o tipo de projeção cujos raios que incidem no objeto e no plano de projeção são todos **concorrentes no vértice do cone.**



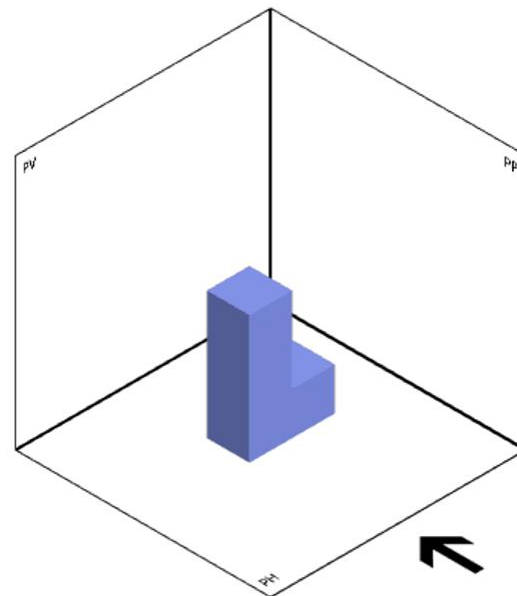
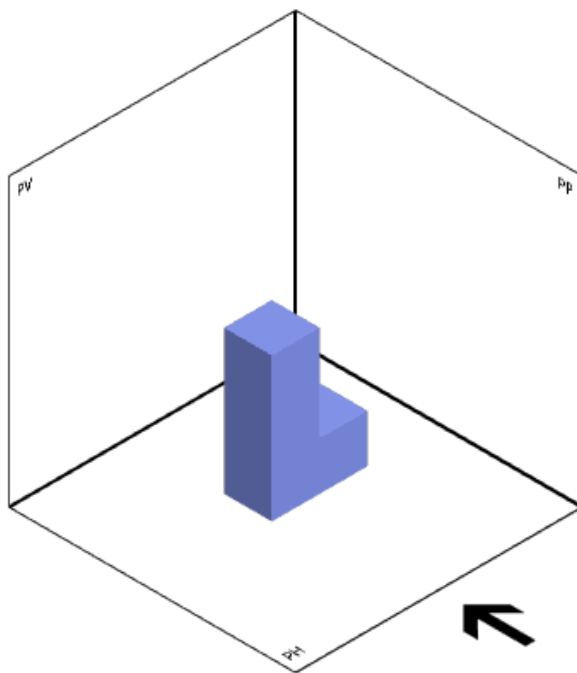
# SISTEMA CILÍNDRICO

É o tipo de projeção, cujos raios projetantes que incidem no objeto e no plano de projeção são todos **paralelos** entre si.



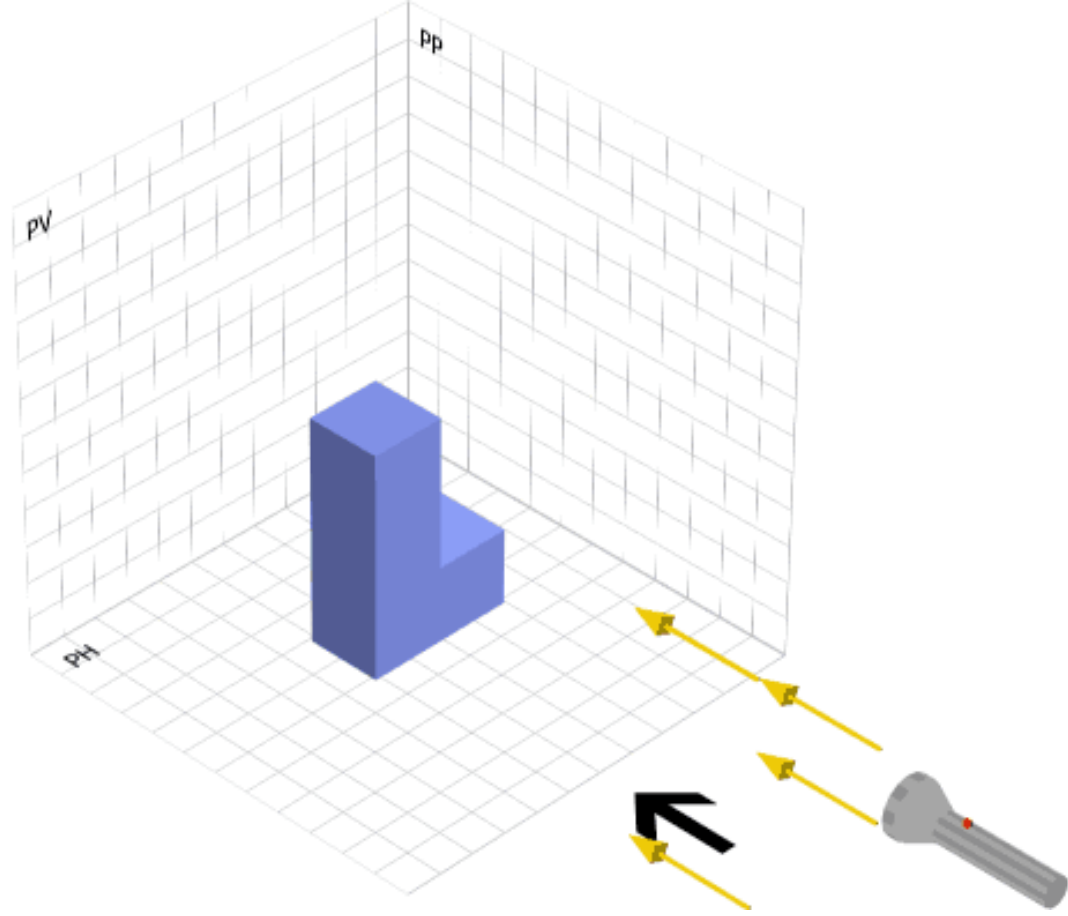


# VISTAS ORTOGRÁFICAS

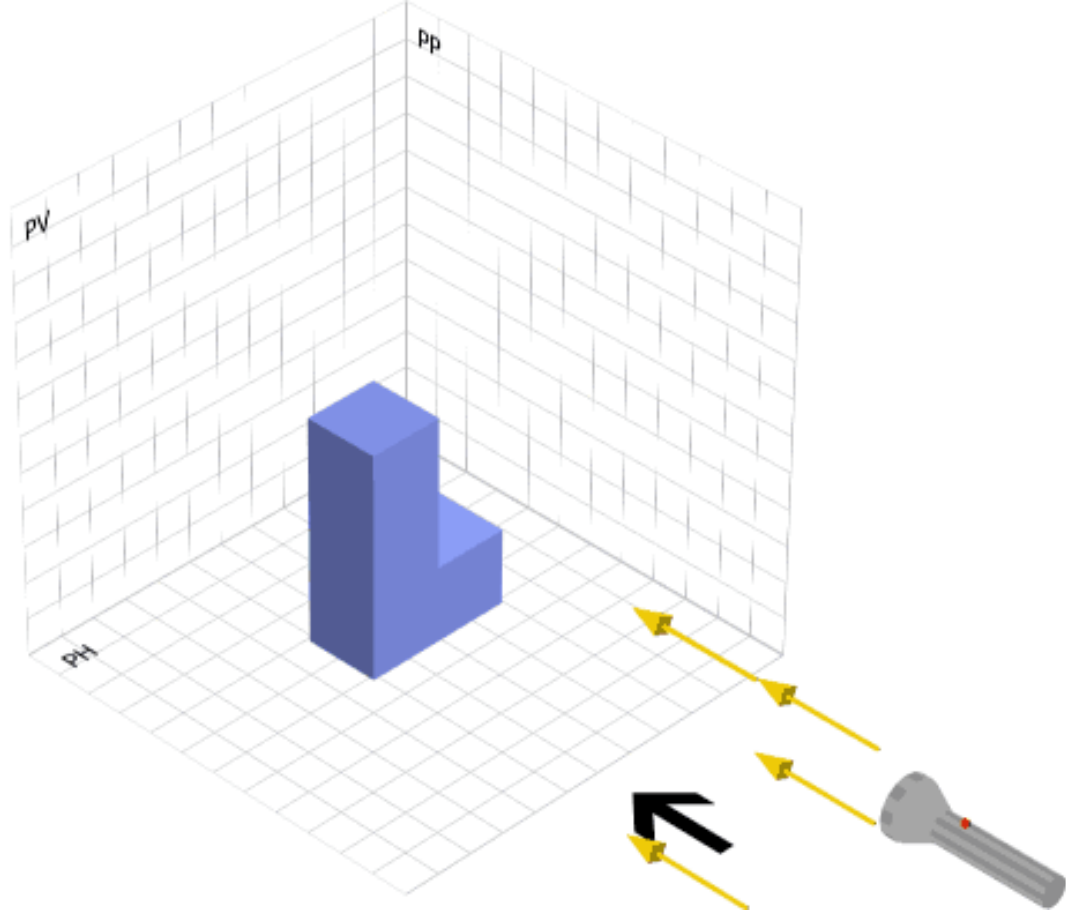


- Vista Frontal (VF)
- Vista Lateral Direita (VLD)
- Vista Lateral Esquerda (VLE)
- Vista Posterior (VP)
- Vista Inferior (VI)
- Vista Superior (VS)

# VISTAS ORTOGRÁFICAS

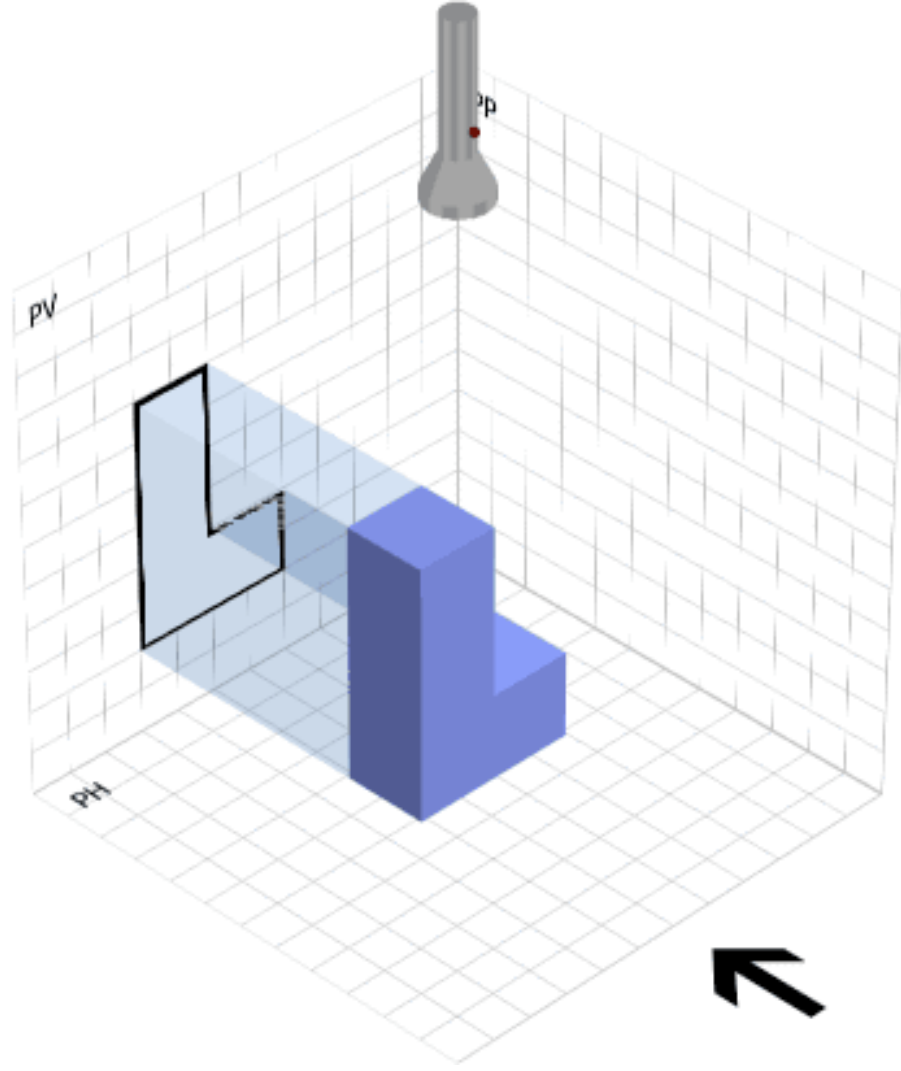


# VISTAS ORTOGRÁFICAS

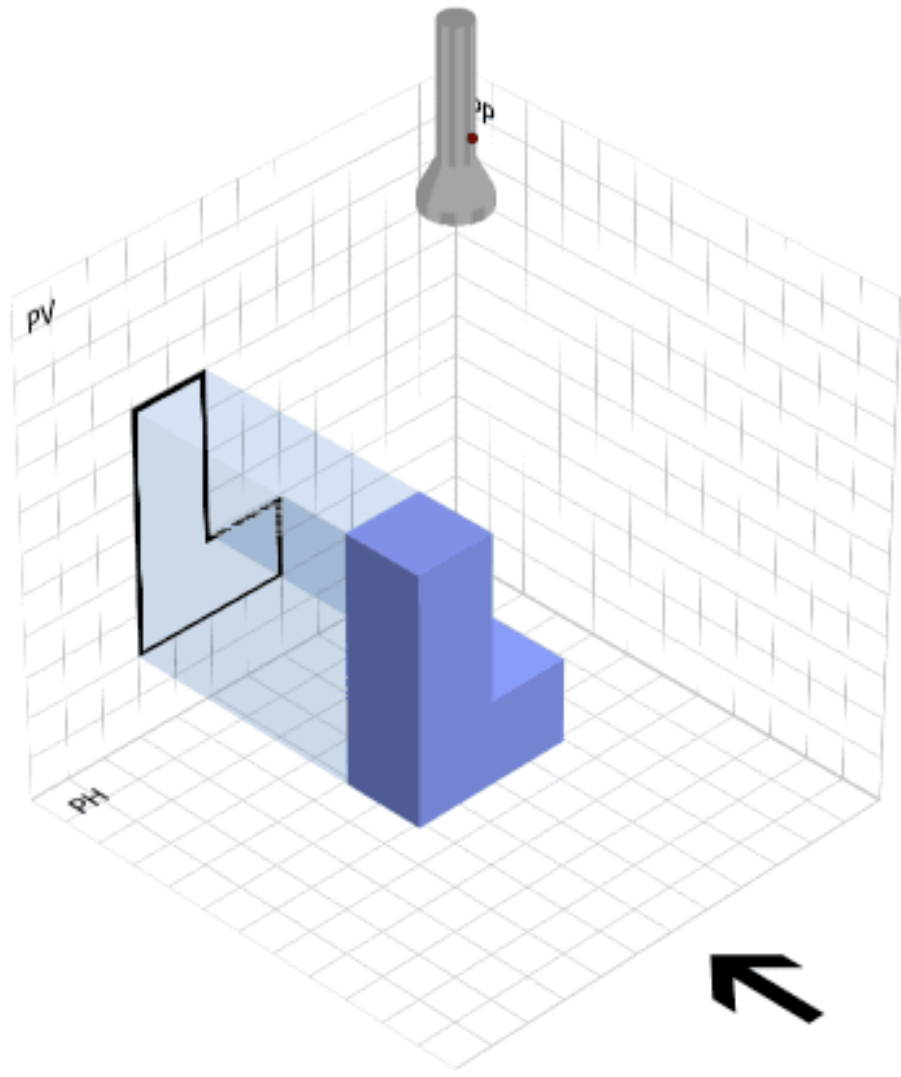




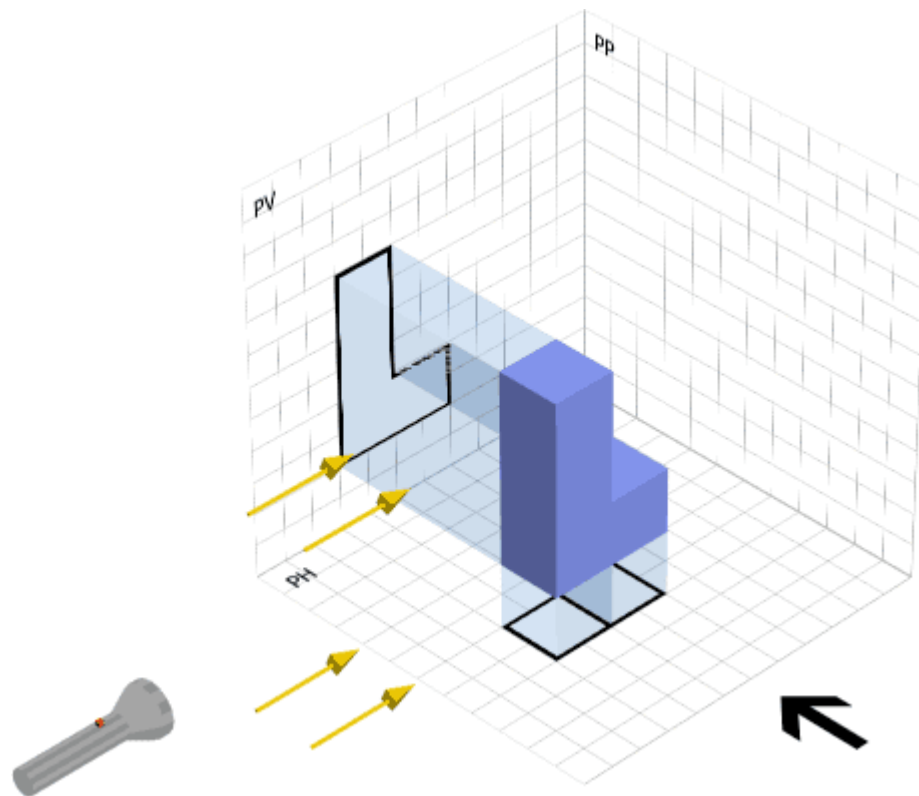
# VISTAS ORTOGRÁFICAS



# VISTAS ORTOGRÁFICAS

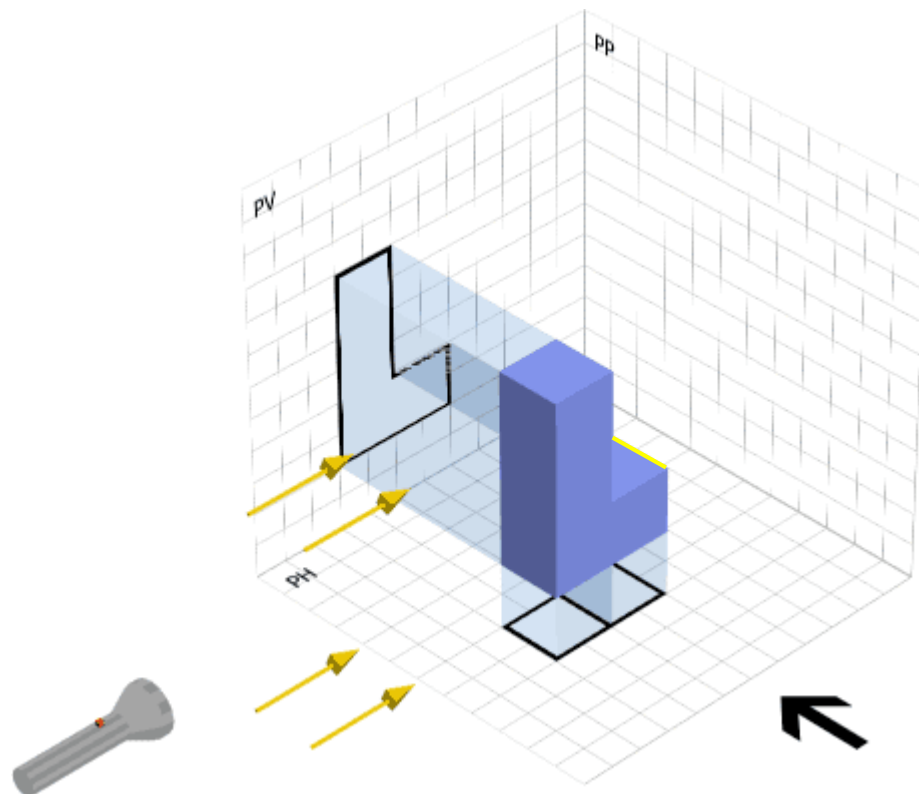


# VISTAS ORTOGRÁFICAS



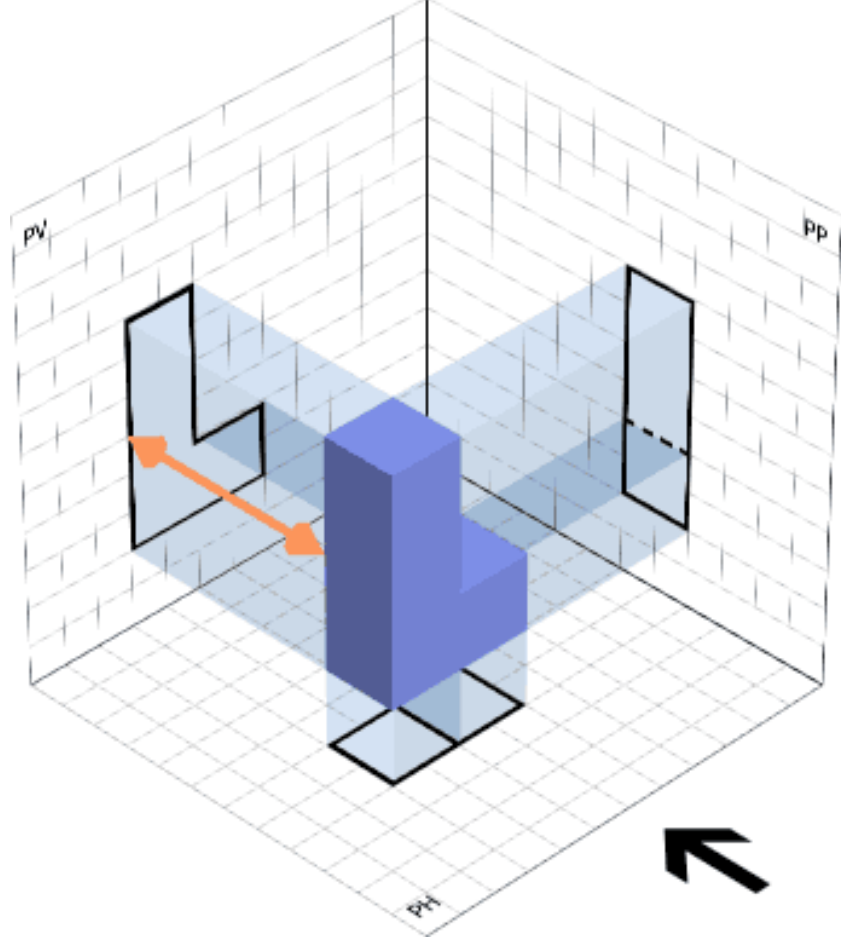
ARESTAS OCULTAS

# VISTAS ORTOGRÁFICAS

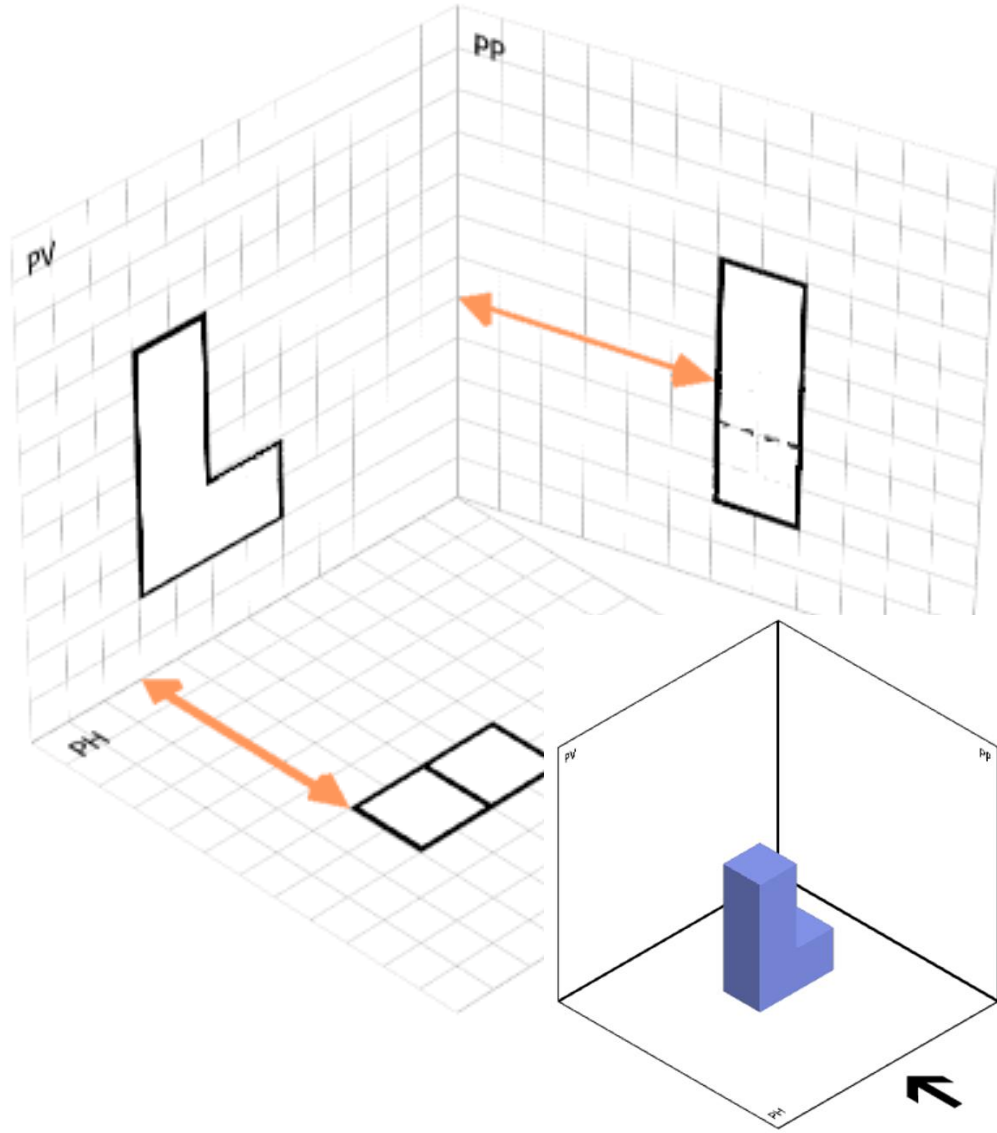


ARESTAS OCULTAS

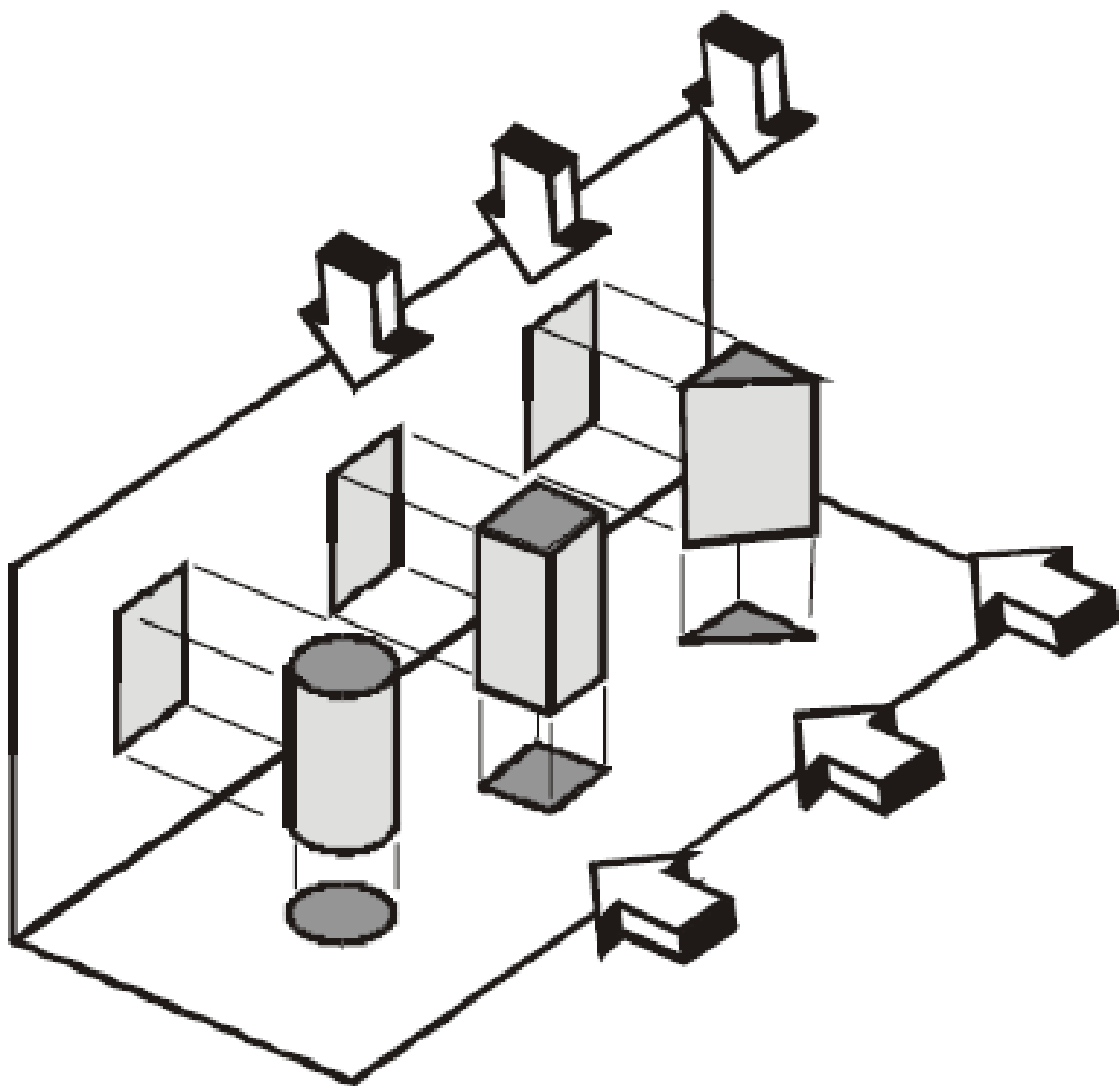
# PROJEÇÕES ORTOGONAIS

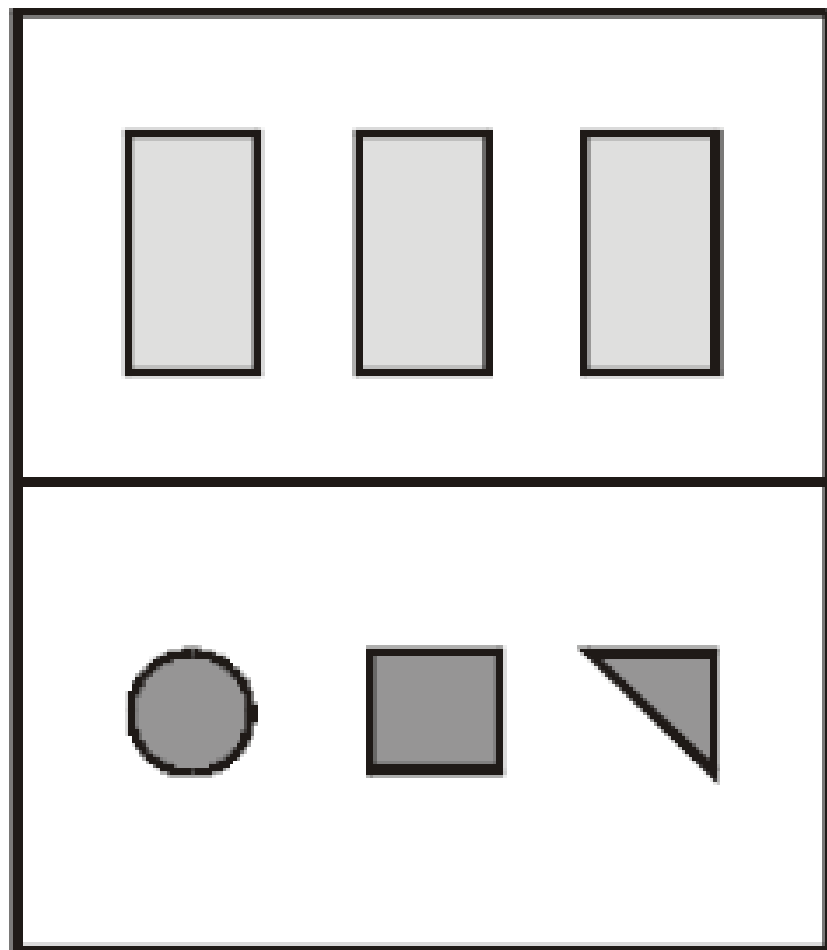
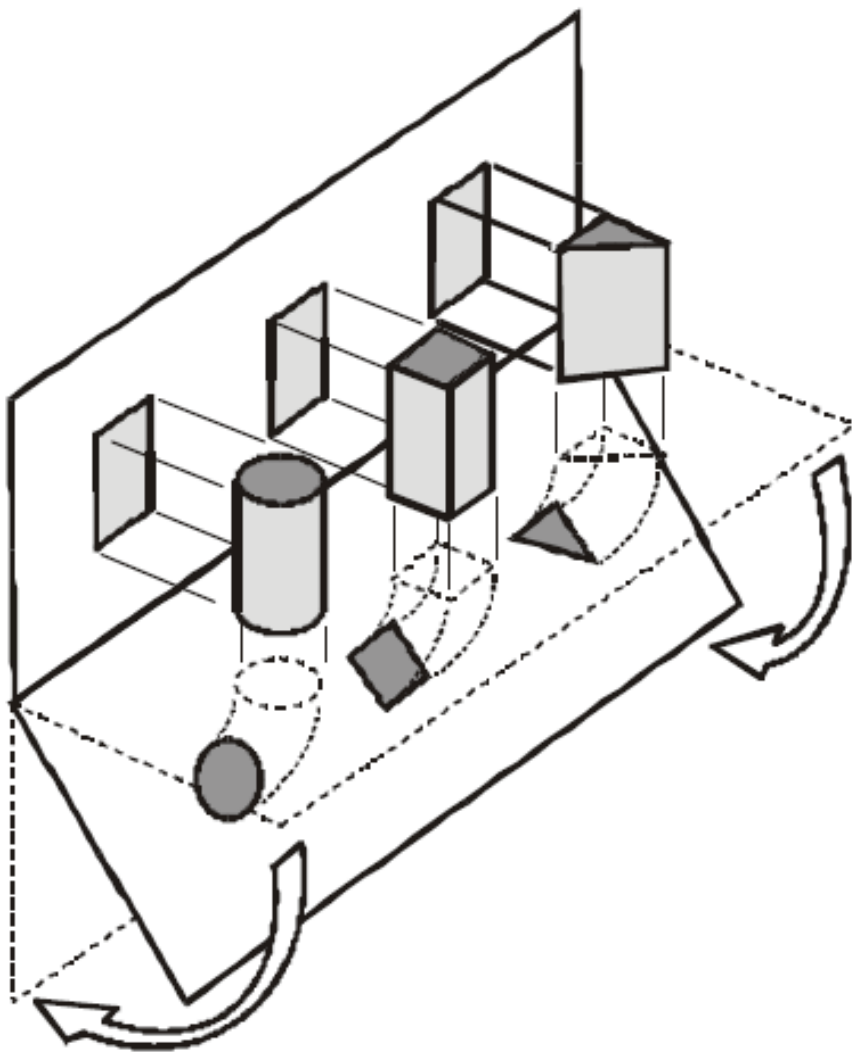


# PROJEÇÕES ORTOGONAIS

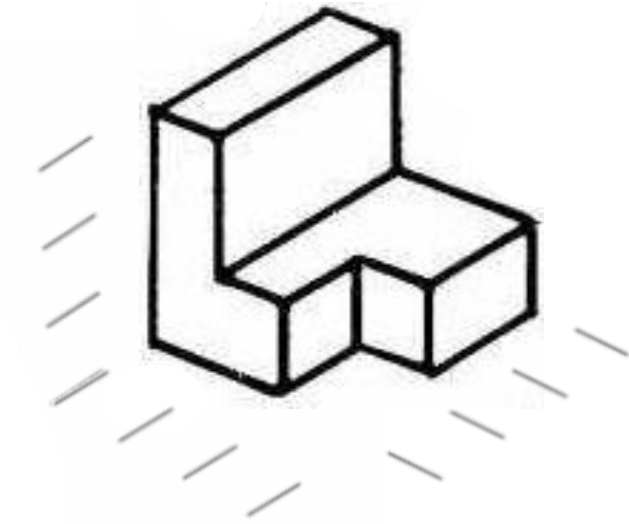
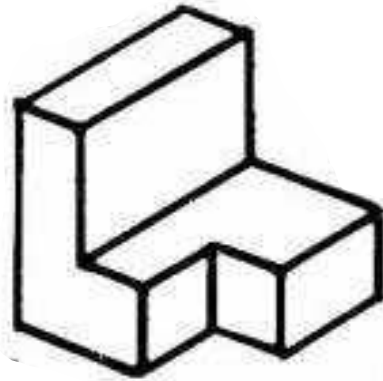


# SISTEMAS DE PROJEÇÃO

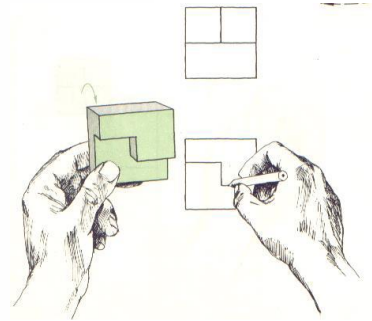


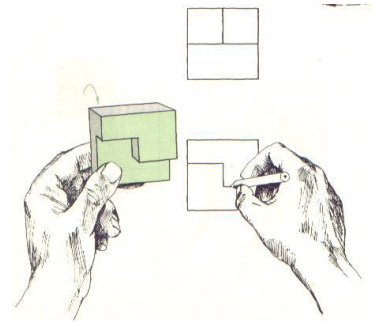
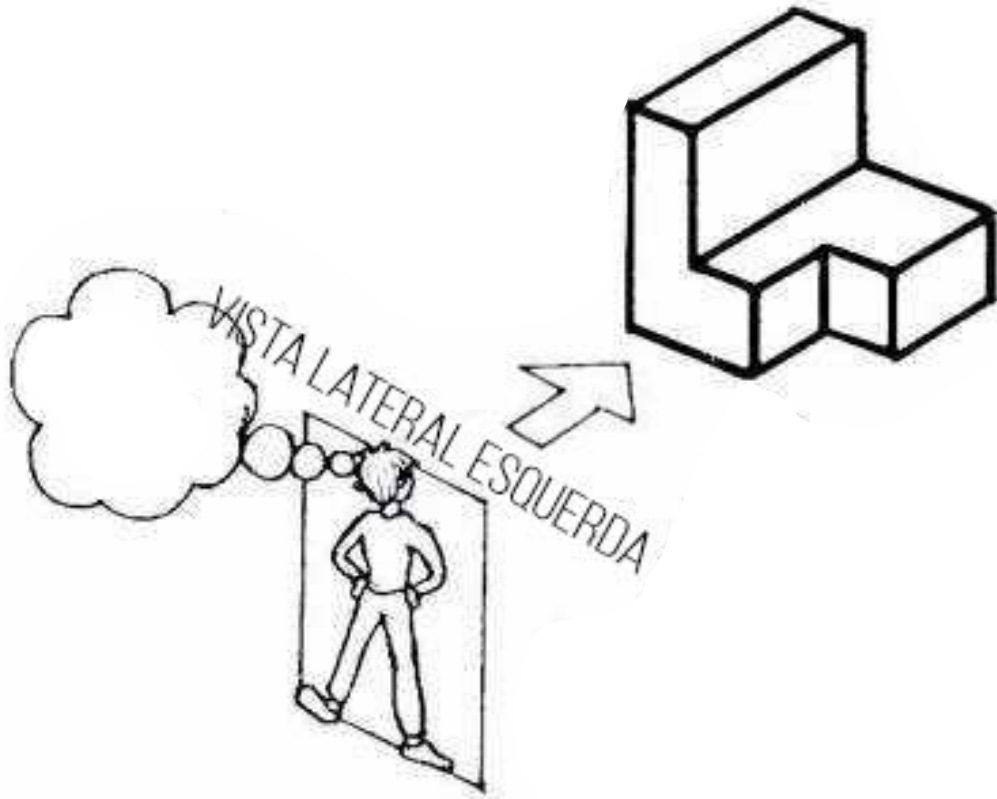
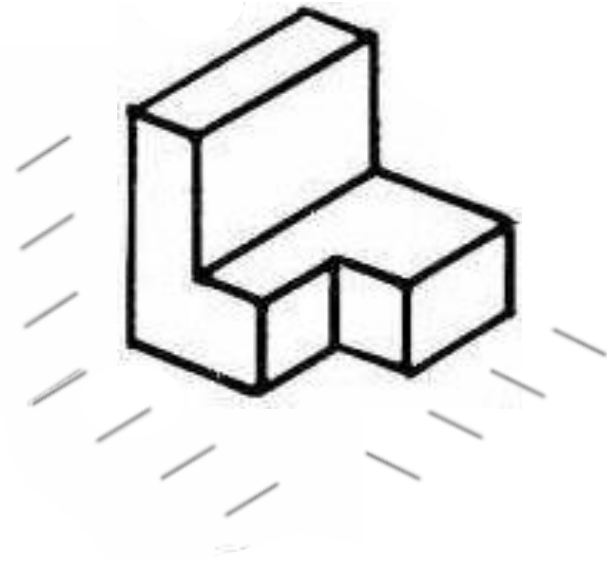


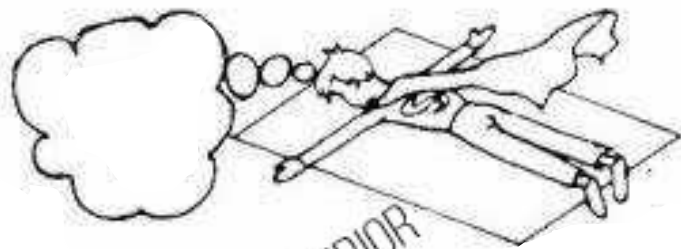




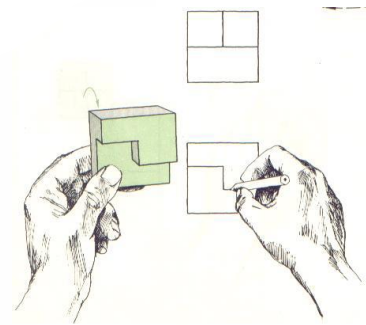
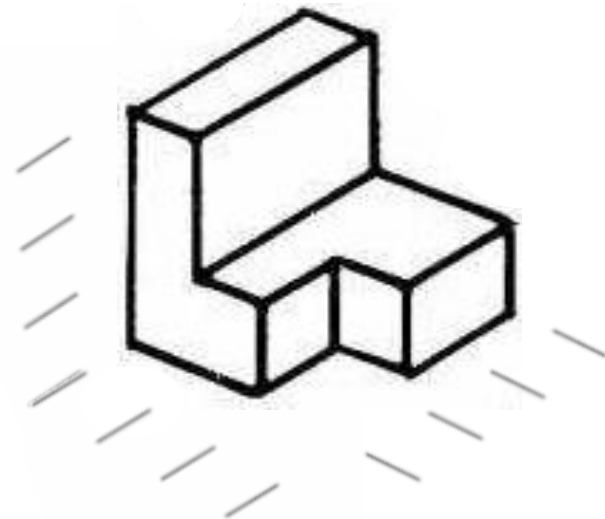
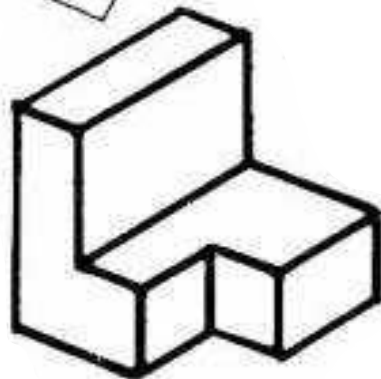
VISTA FRONTAL

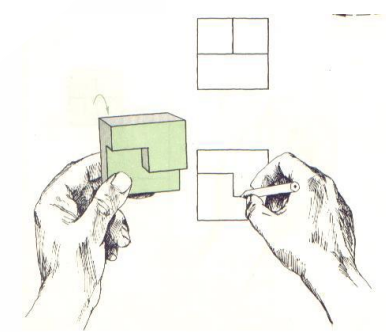
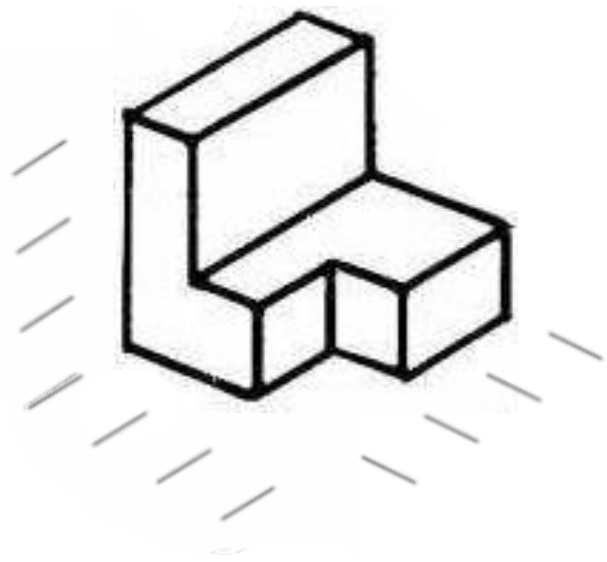
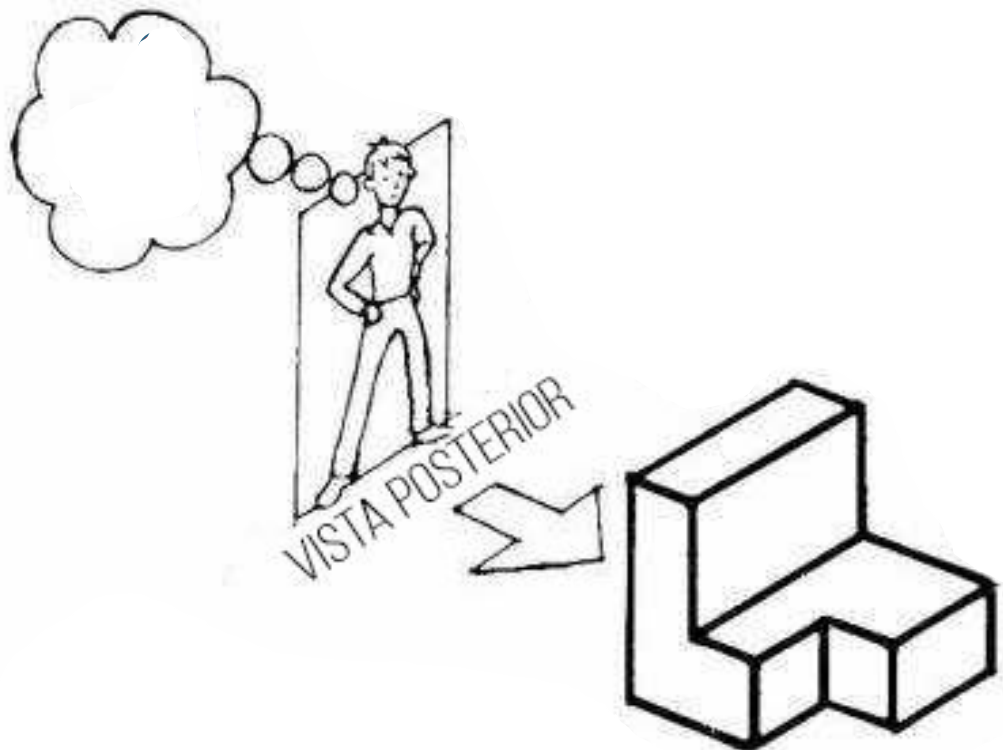


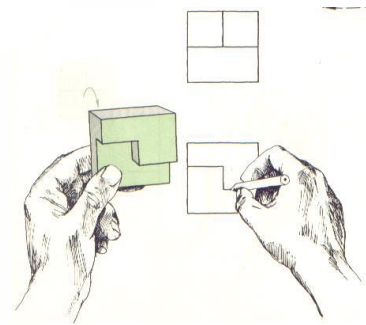
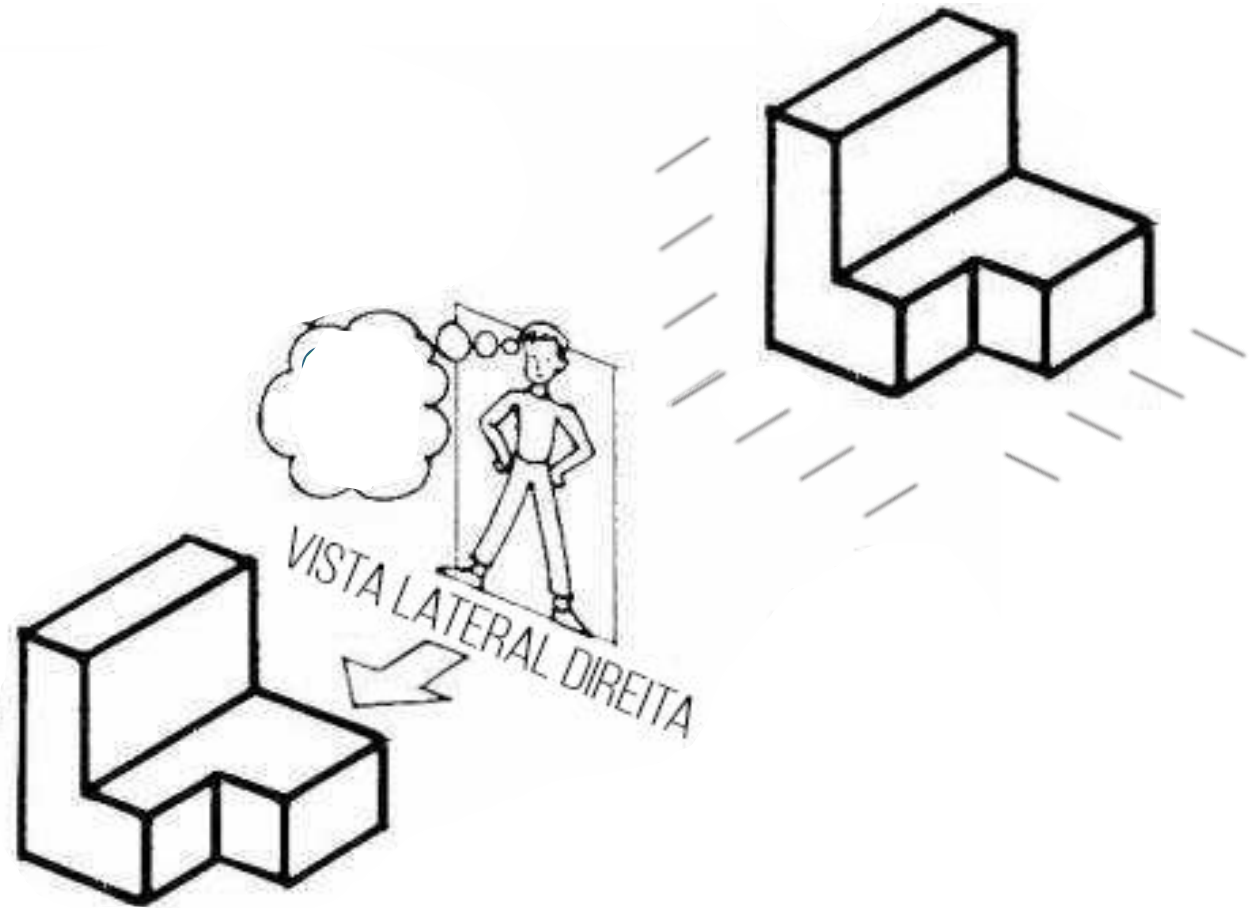


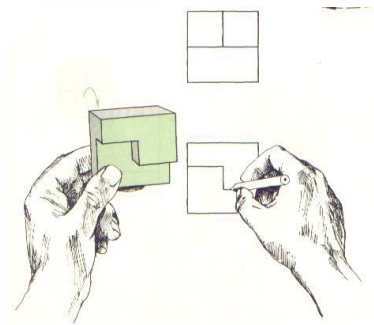
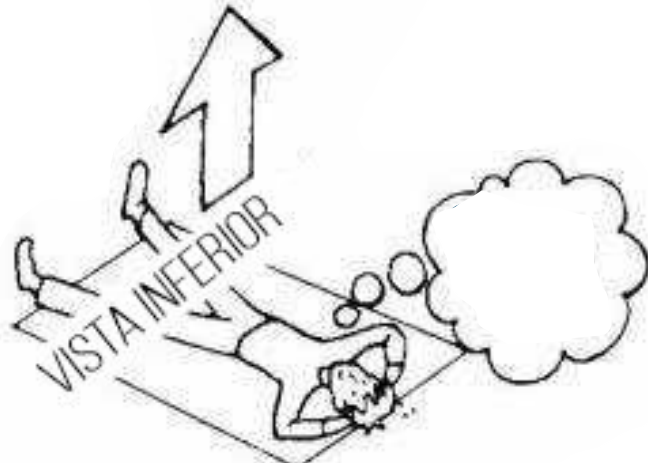
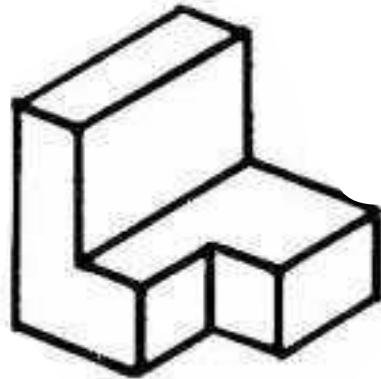
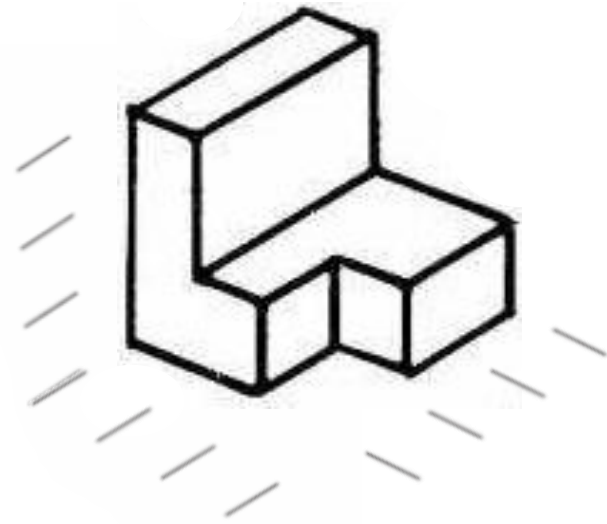


VISTA SUPERIOR

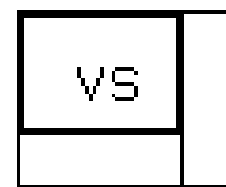
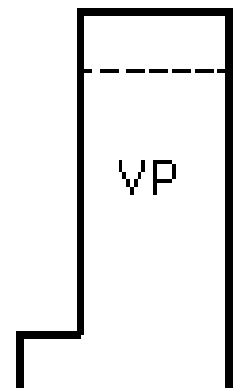
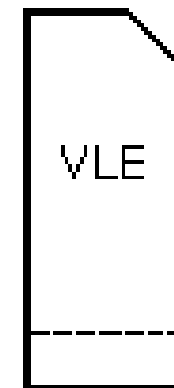
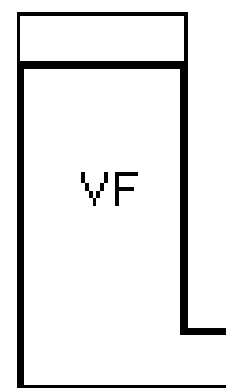
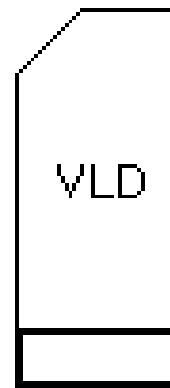
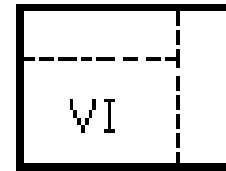
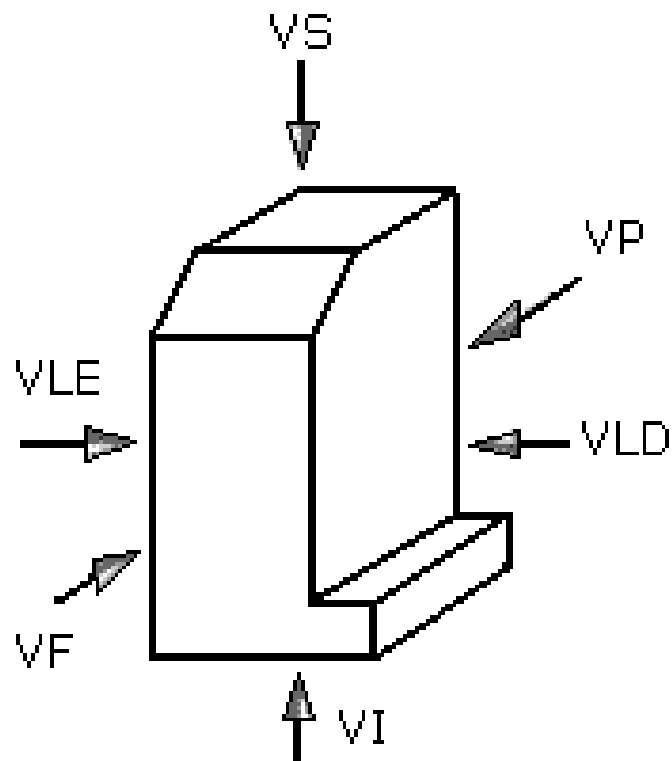








Vista Frontal (VF)  
Vista Superior (VS)  
Vista Lateral Esquerda (VLE)



Vista Lat.Direita (VLD)  
Vista Inferior (VI)  
Vista Posterior (VP)

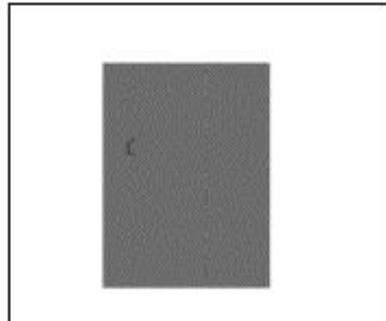
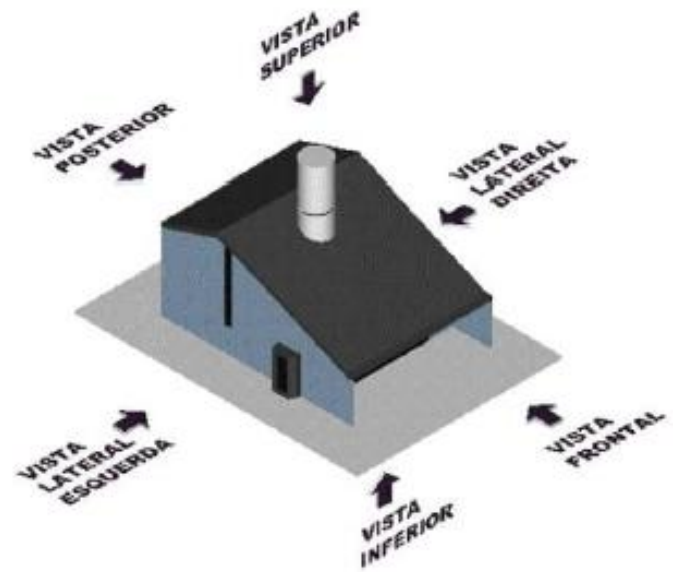


Figura 15 - Vista inferior



Figura 16 - Vista lateral derecha

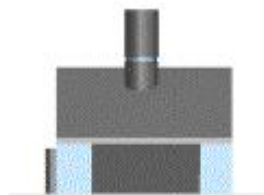


Figura 17 - Vista frontal



Figura 18 - Vista lateral esquerda



Figura 19 - Vista posterior

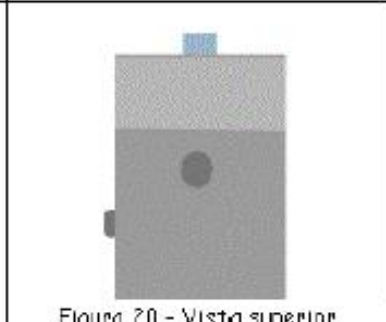


Figura 20 - Vista superior



# EXERCÍCIO 08

- I Desenhe todas as possíveis vistas ortográficas das peças

Vista frontal (VF)

Vista lateral direita (VLD)

Vista lateral esquerda (VLE)

Vista posterior (VP)

Vista inferior (VI)

Vista superior (VS)

OBS: cada espaçamento representa uma unidade de medida. Folha de resposta disponível no site.

