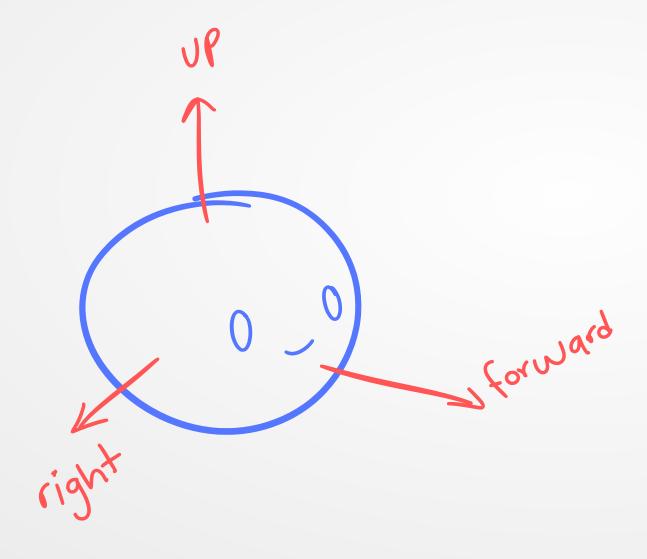
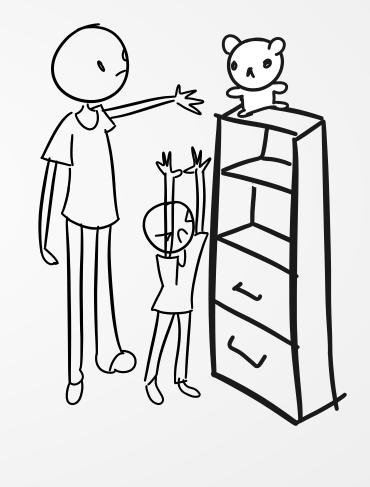
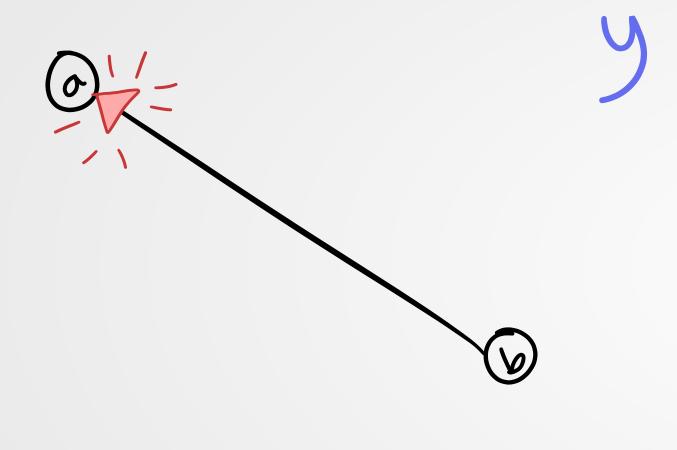
# Pov y Scene

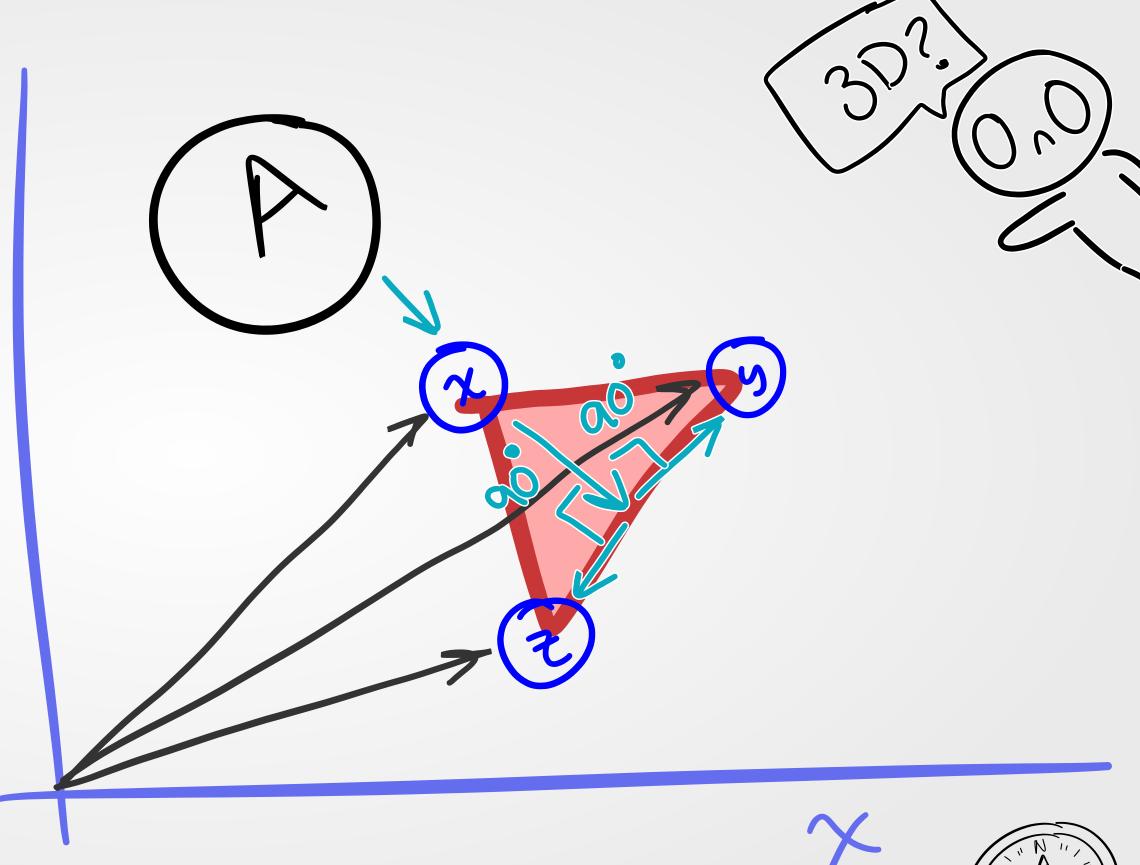






# Pov y Scene









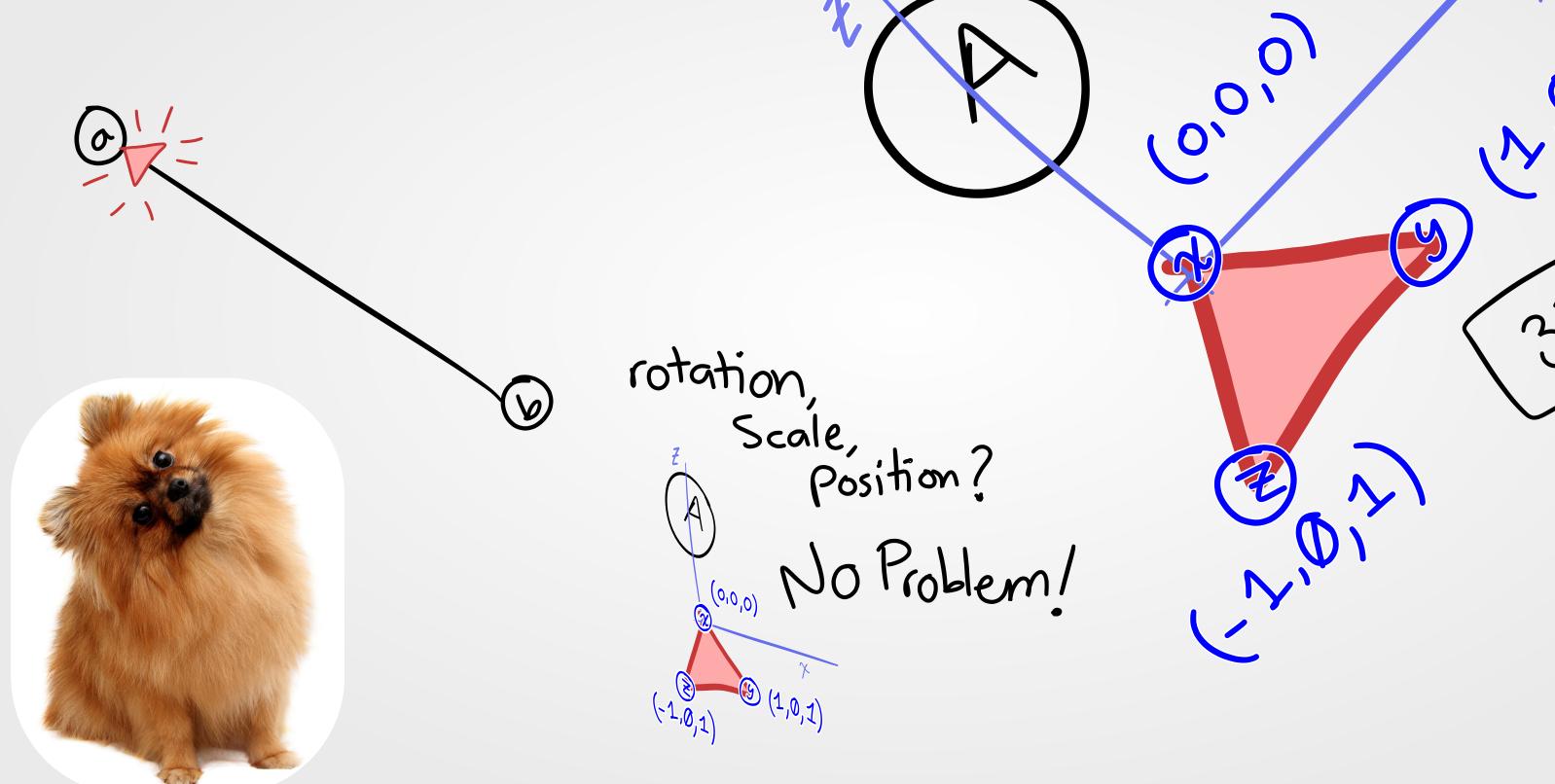
# Pov y Scene

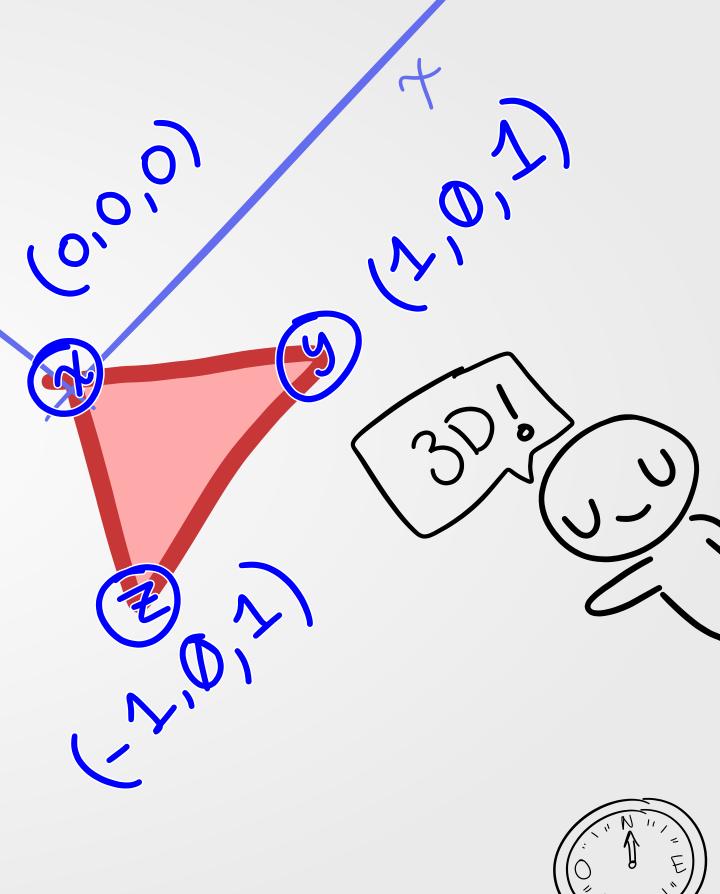
P. P. P. Py Matrix

S. S. S. Sy

D. O. 1



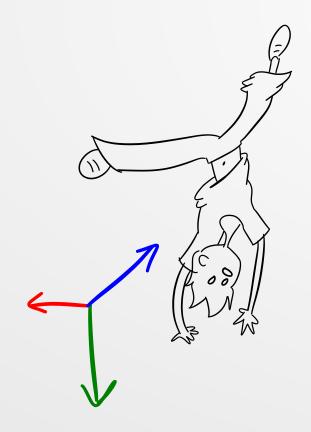


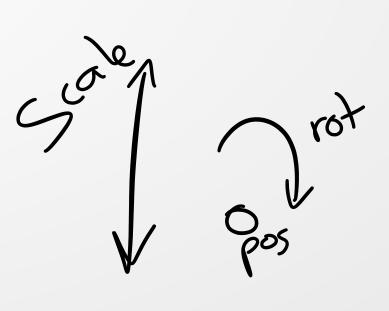


#### Cómo crear una Matriz 4x4?

transform.localToWorldMatrix

Matrix4x4.TRS(pos, rot, scale)







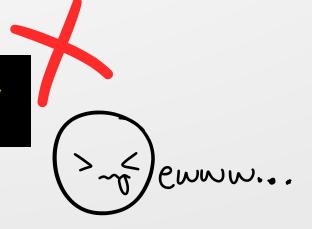
#### Por qué crear una Matriz 4x4?

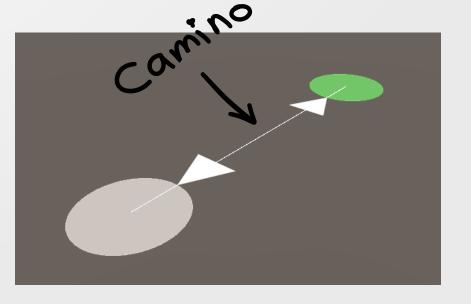
#### Dibuja Caminos entre vértices

```
public static void DrawEdges (Graph target) {
    Matrix4x4 oldMatrix = Handles.matrix;
    Handles.matrix = target.Pov.localToWorldMatrix;

for (int i=0; i<target.edges.Count; i++) {
    foreach (int link in target.edges[i].links) {
        Handles.DrawLine(target.vertex[link], target.vertex[i]);
        CoolEditor.ArrowHead(target.vertex[link], target.vertex[i], __buttonSize, _buttonSize);
    }
}

Handles.matrix = oldMatrix;
}</pre>
```





### Por qué crear una Matriz 4x4?

```
public static void ArrowHead (Vector3 position, Vector3 direction,
                              float size, float offset = 0) {
   direction.Normalize();
   Matrix4x4 old = Handles.matrix;
   Handles.matrix = old *
       Matrix4x4.TRS(position, Quaternion.LookRotation(direction),
                      Vector3.one);
   Handles.DrawAAConvexPolygon(new Vector3[] {
           new Vector3(0,0, -offset),
           new Vector3(size/2f, 0, -size -offset),
            new Vector3(-size/2f, 0, -size -offset)
       });
   Handles.matrix = old;
```

# De Vuelve todo a su lugar

```
public static void ArrowHead (Vector3 position, Vector3 direction,
                               float size, float offset = 0) {
    direction.Normalize();
    Matrix4x4 newMatrix = Handles.matrix *
        Matrix4x4.TRS(position, Quaternion.LookRotation(direction),
                      Vector3.one);
    using (new Handles.DrawingScope(Handles.color, newMatrix)) {
        Handles.DrawAAConvexPolygon(new Vector3[] {
                new Vector3(0,0, -offset),
                new Vector3(size/2f, 0, -size -offset),
                new Vector3(-size/2f, 0, -size -offset)
            });
public static void ArrowHead (Vector3 position, Vector3 direction,
                              float size, float offset = 0) {
    direction.Normalize();
    Matrix4x4 old = Handles.matrix;
    Handles.matrix = old *
        Matrix4x4.TRS(position, Quaternion.LookRotation(direction),
                      Vector3.one);
    Handles.DrawAAConvexPolygon(new Vector3[] {
            new Vector3(0,0, -offset),
            new Vector3(size/2f, 0, -size -offset),
            new Vector3(-size/2f, 0, -size -offset)
```

