3) Give pseudo-code for checking if two axis-aligned bounding boxes intersect.

6) Given a 4×4 transformation matrix and a 3D direction vector \vec{d} , how do you compute the transformed

9) Suppose a BVH of axis-aligned bounding boxes has been built on a set of n points. Give recursive pseudo-code for efficiently finding if any point lies below the plane y=0.

12) Describe a physical effect in light transport that raytracing doesn't capture (without extra work).