will cover questions similar to these for our final.
What are foot contacts? Why might they be important for blending?
2. Write an algorithm which detects foot contacts based on a threshold distance from the floor.
3. Suppose we are looping a motion which snaps back to the start position when it replays. Why does this happen and how can we fix it?
4. Design a motion controller that supports running, standing, and punching.
4. Extend the two link IK example to support the case where the shoulder is at a generic position p1.
5. Suppose we wish to implement gaze controller such that the head of a character looks towards a desired direction d. Suppose the forward direction of the head is its local X axis. Find a global rotation matrix that sets the head to the desired direction.

These questions relate to lecture material and aim to highlight the most important concepts. We