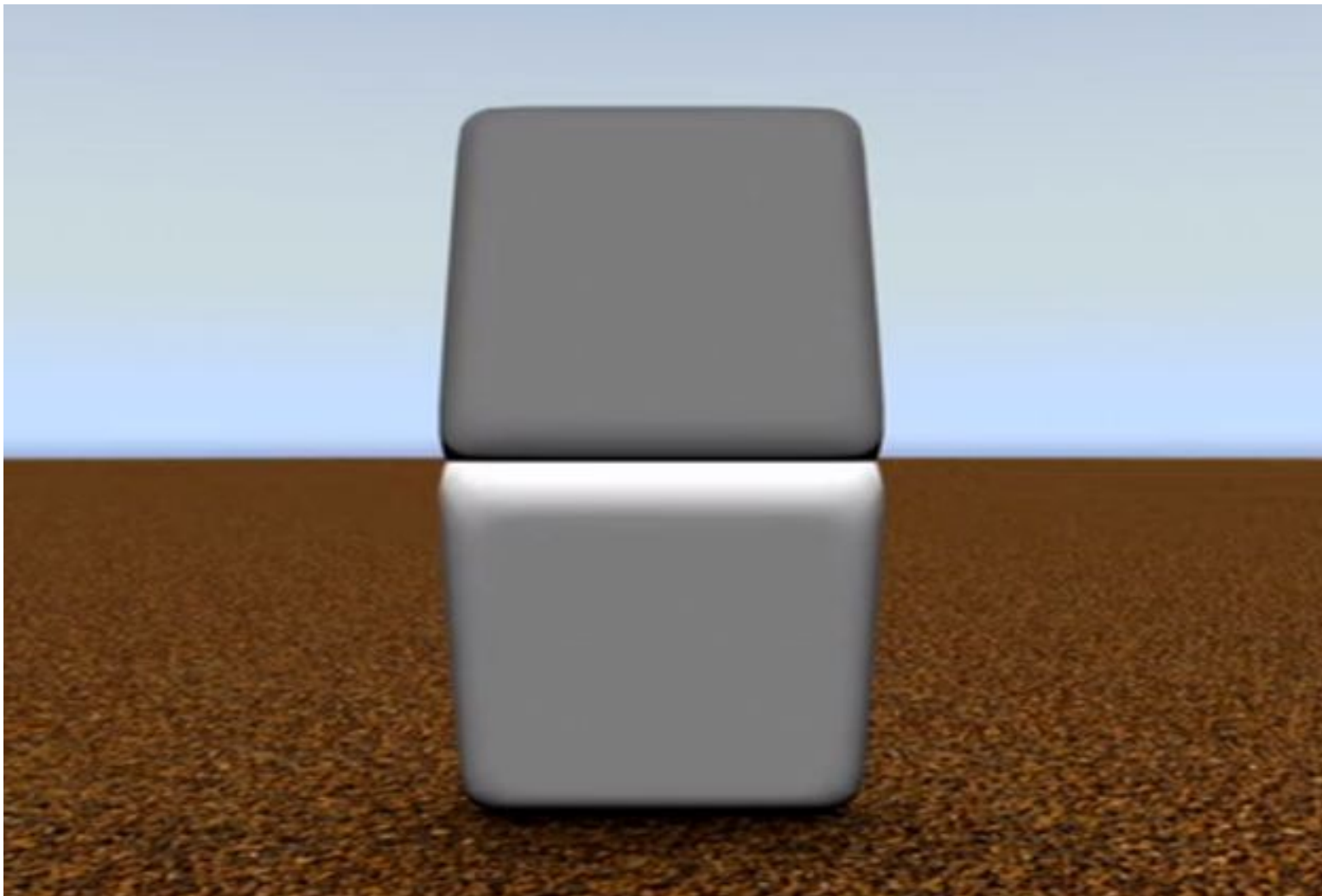


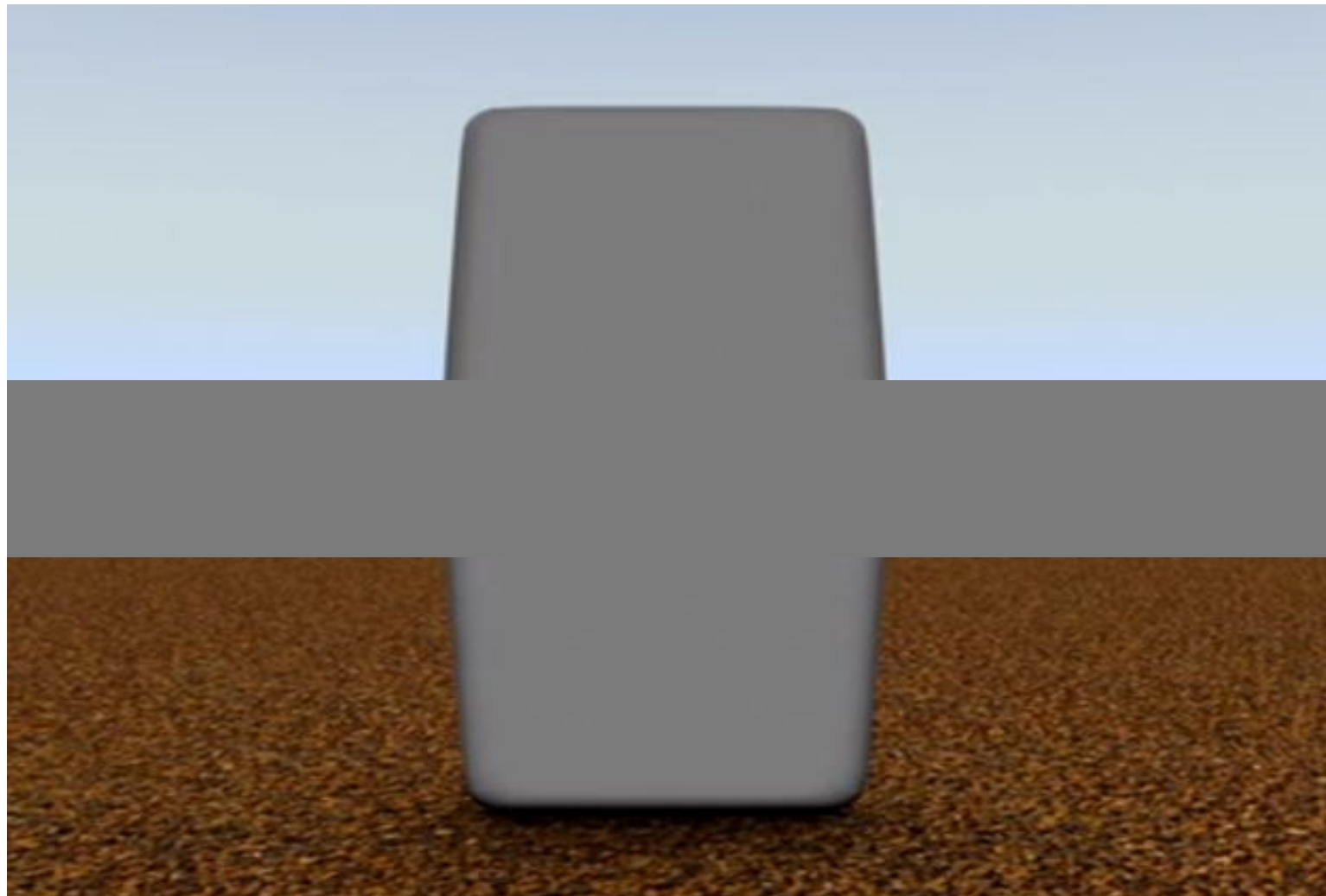
CSCE 625: Artificial Intelligence

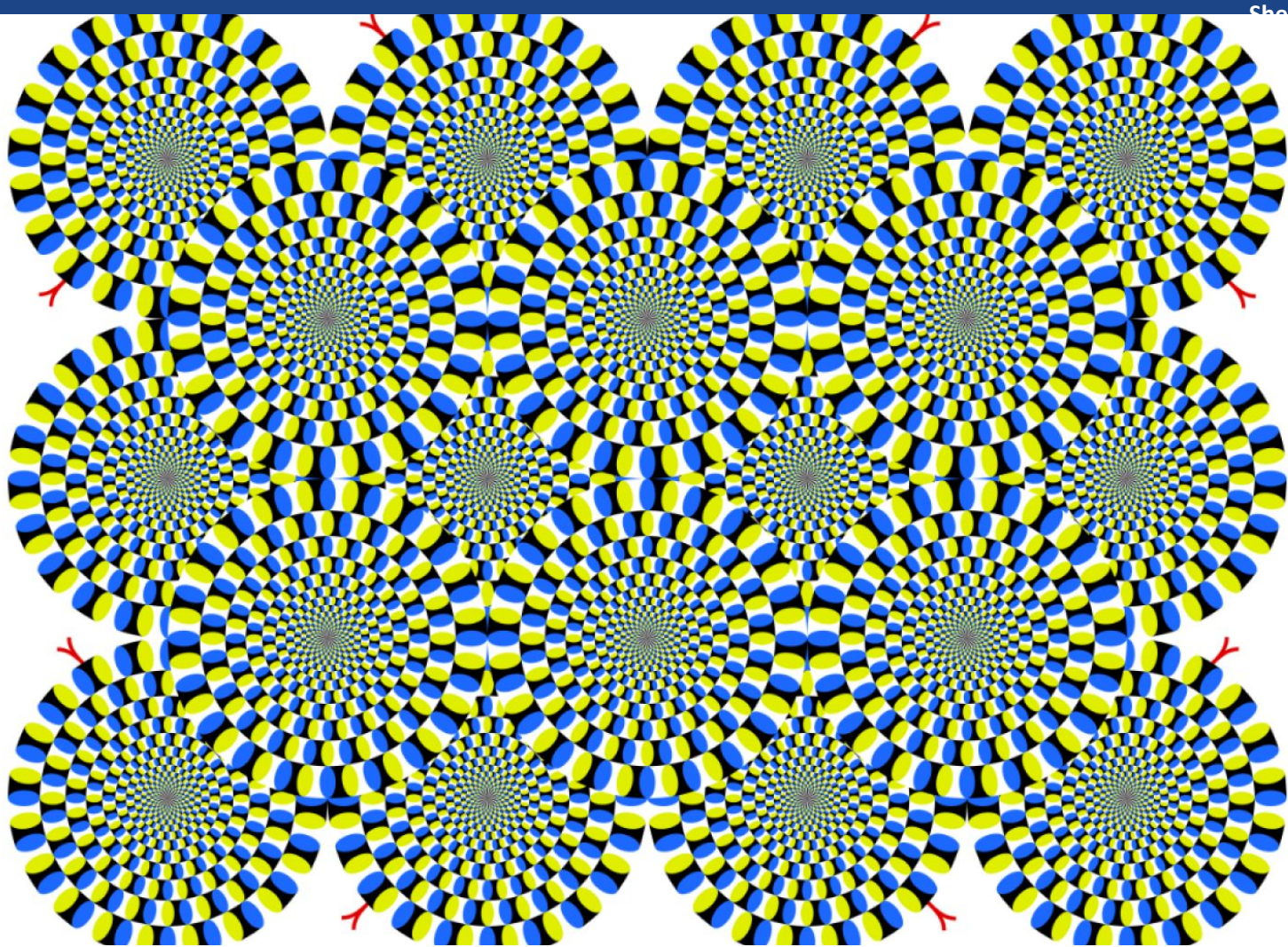
Dr. Dylan Shell

Charles Sanders Peirce:

"Looking out my window this lovely spring morning, I see an azalea in full bloom. No, no! I don't see that; though that is the only way I can describe what I see. That is a proposition, a sentence, a fact; but what I perceive is not proposition, sentence, fact, but only an image, which I make intelligible in part by means of a statement of fact. This statement is abstract; but what I see is concrete. I perform an abduction when I so much as express in a sentence anything I see. The truth is that the whole fabric of our knowledge is one matted felt of pure hypothesis confirmed and refined by induction. Not the smallest advance can be made in knowledge beyond the stage of vacant staring, without making an abduction at every step."







Learning architecture

Russell & Norvig (2009), Figure 2.15 (pg. 55) shows a general learning agent. They write:

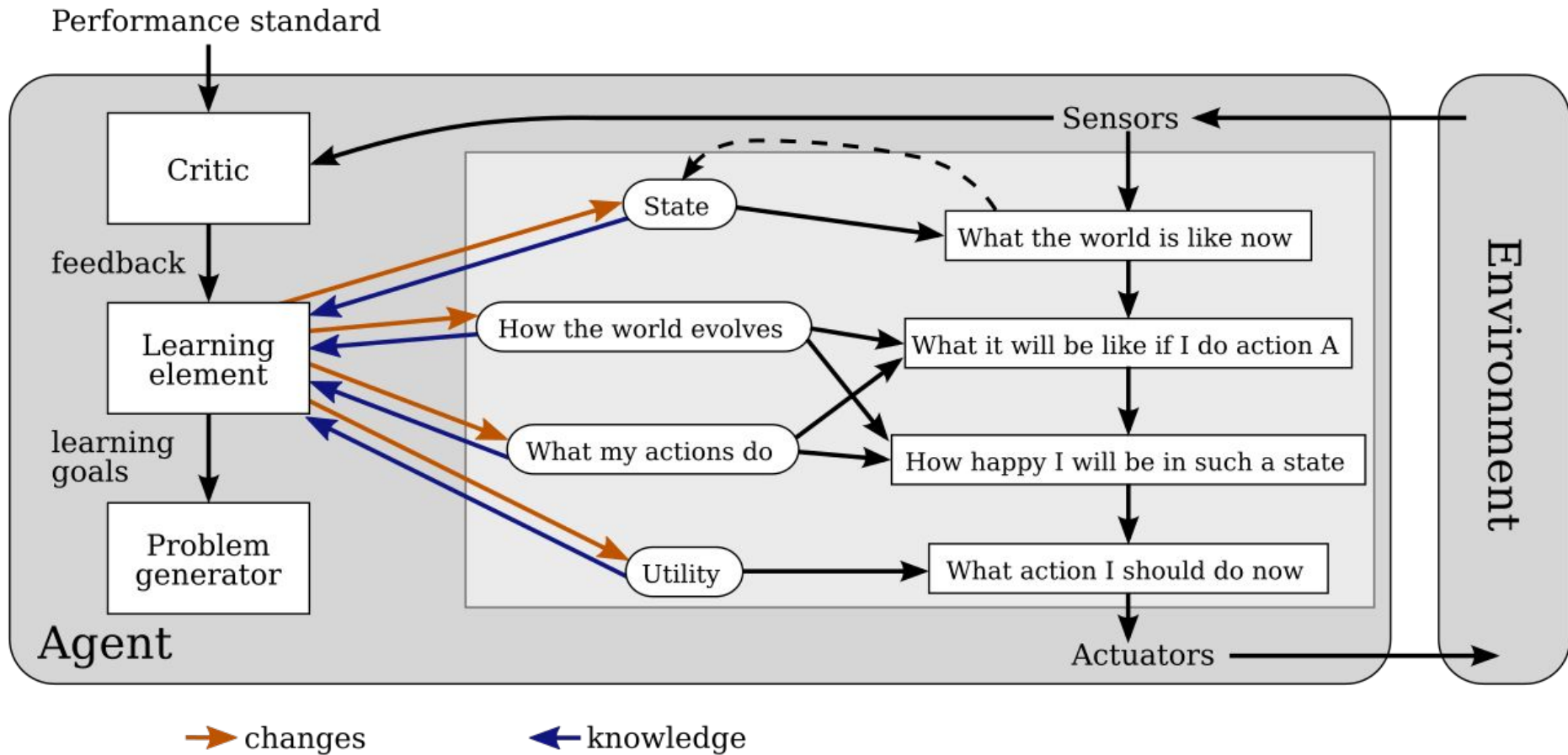
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Exercise: Redraw Figure 2.15, but provide the full details for the block labelled performance element for a model-based, utility-based learning agent



Sources:

Optical Illusions:

<http://coolmomtech.com/2015/04/brain-games-series-on-netflix/> and
<http://brainden.com/eye-illusions.htm>