

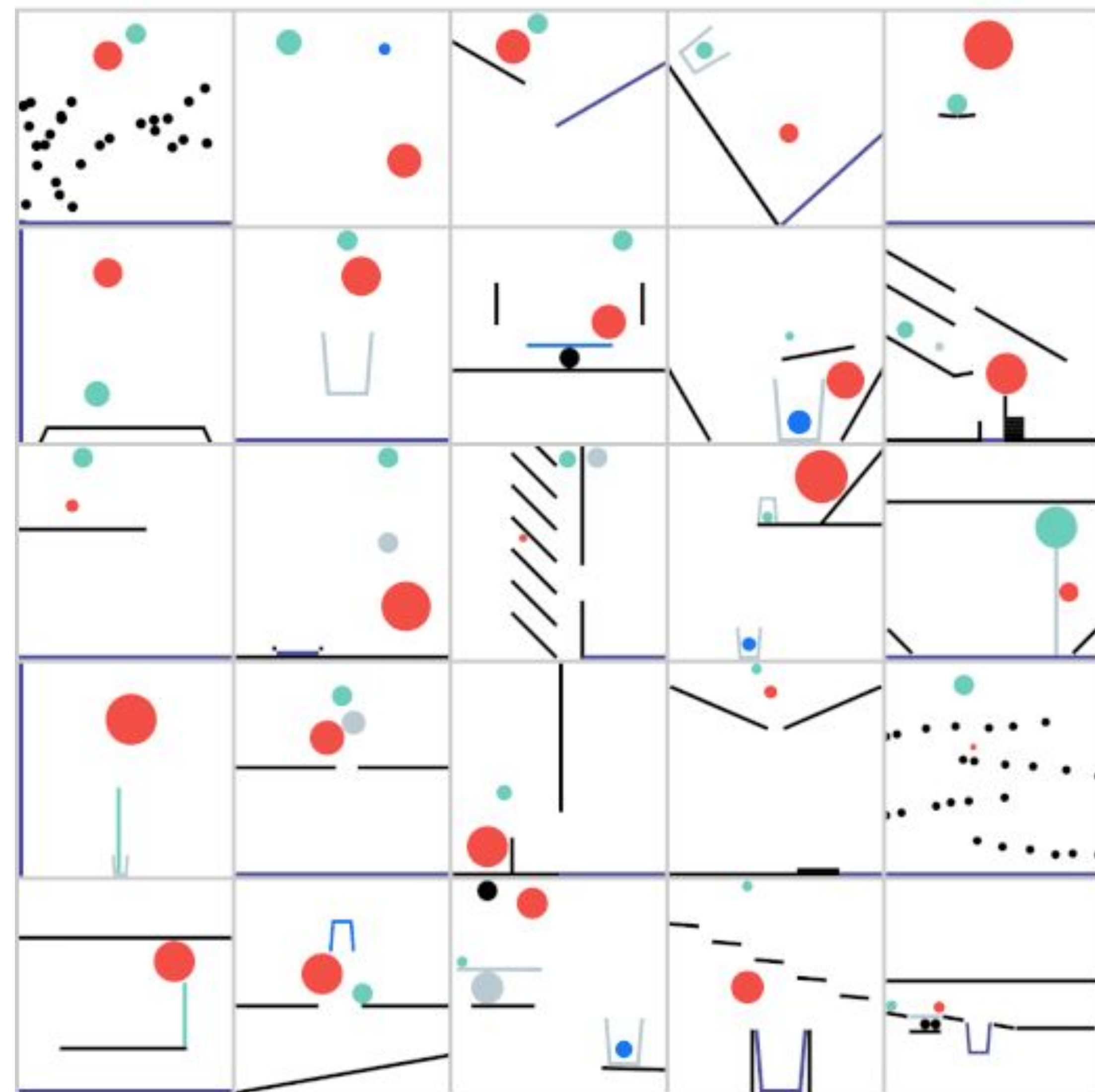
We Use Contrastive Learning To Learn Dynamics-Aware Embeddings that are Useful for Downstream Tasks

The PHYRE Benchmark

PHYSical REasoning

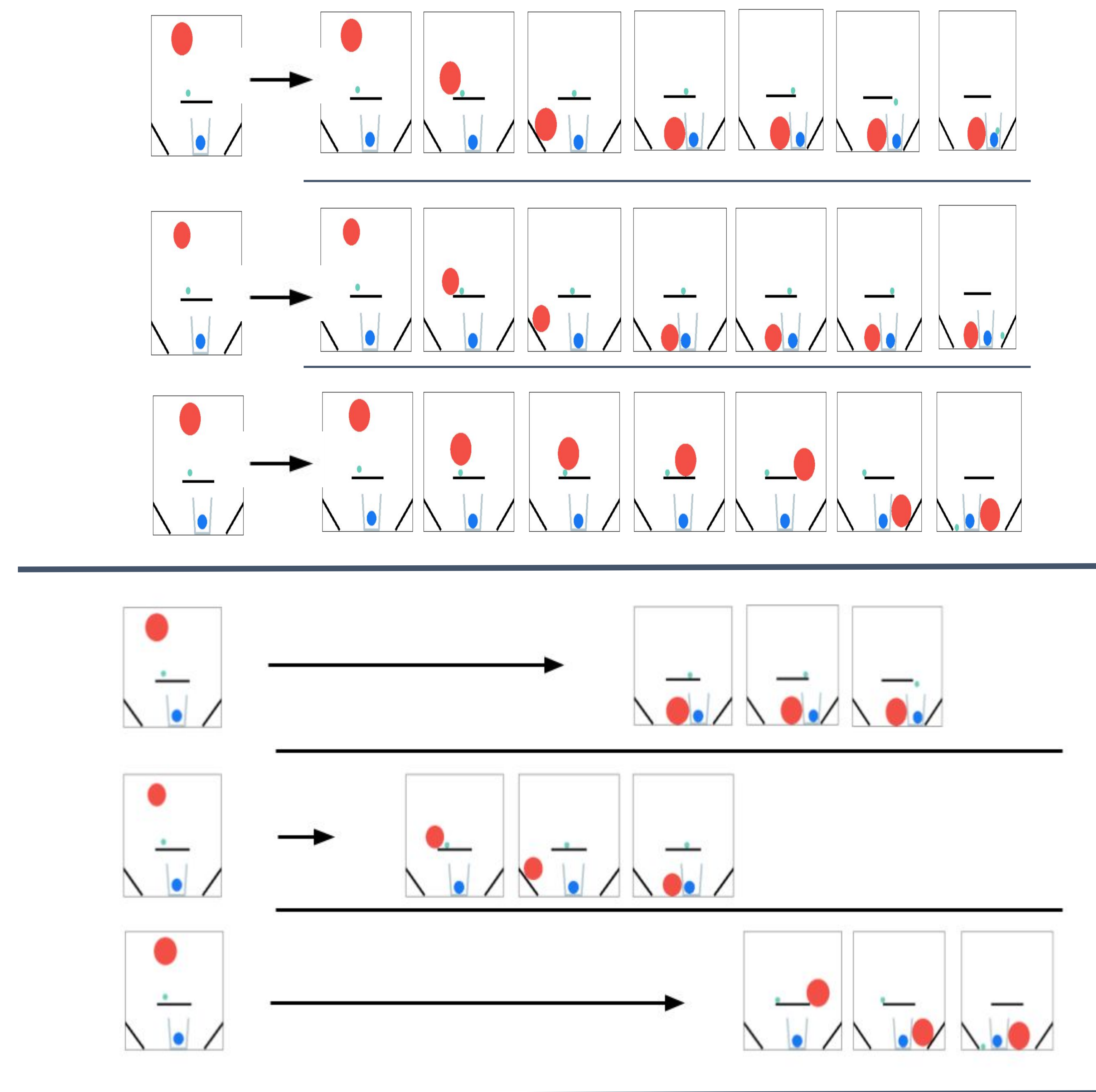
Action: Insert red ball

Goal: Make Green and red balls touch

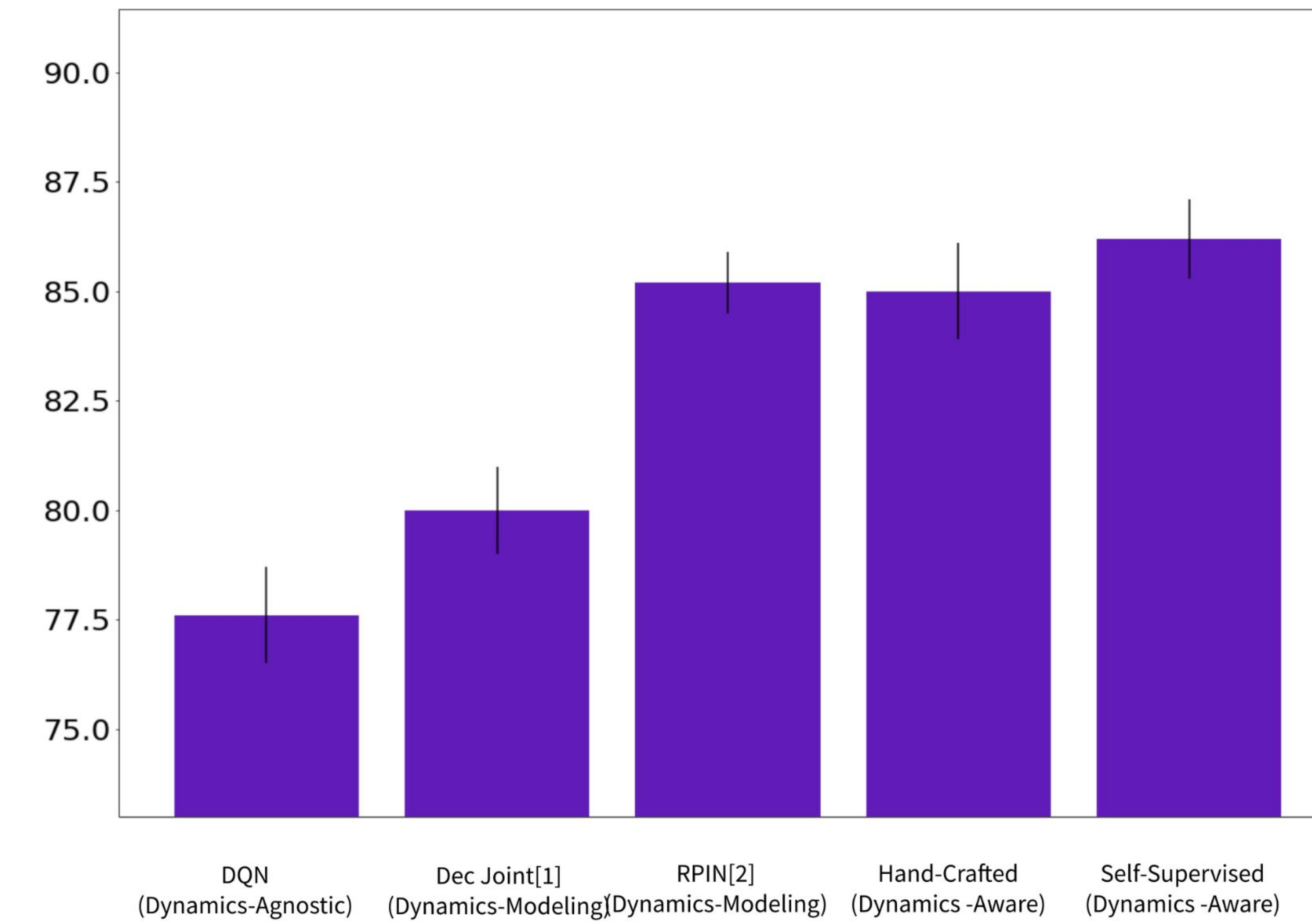


Some of the tasks from the PHYRE benchmark

Learning From Pixels



Learning From Pixels



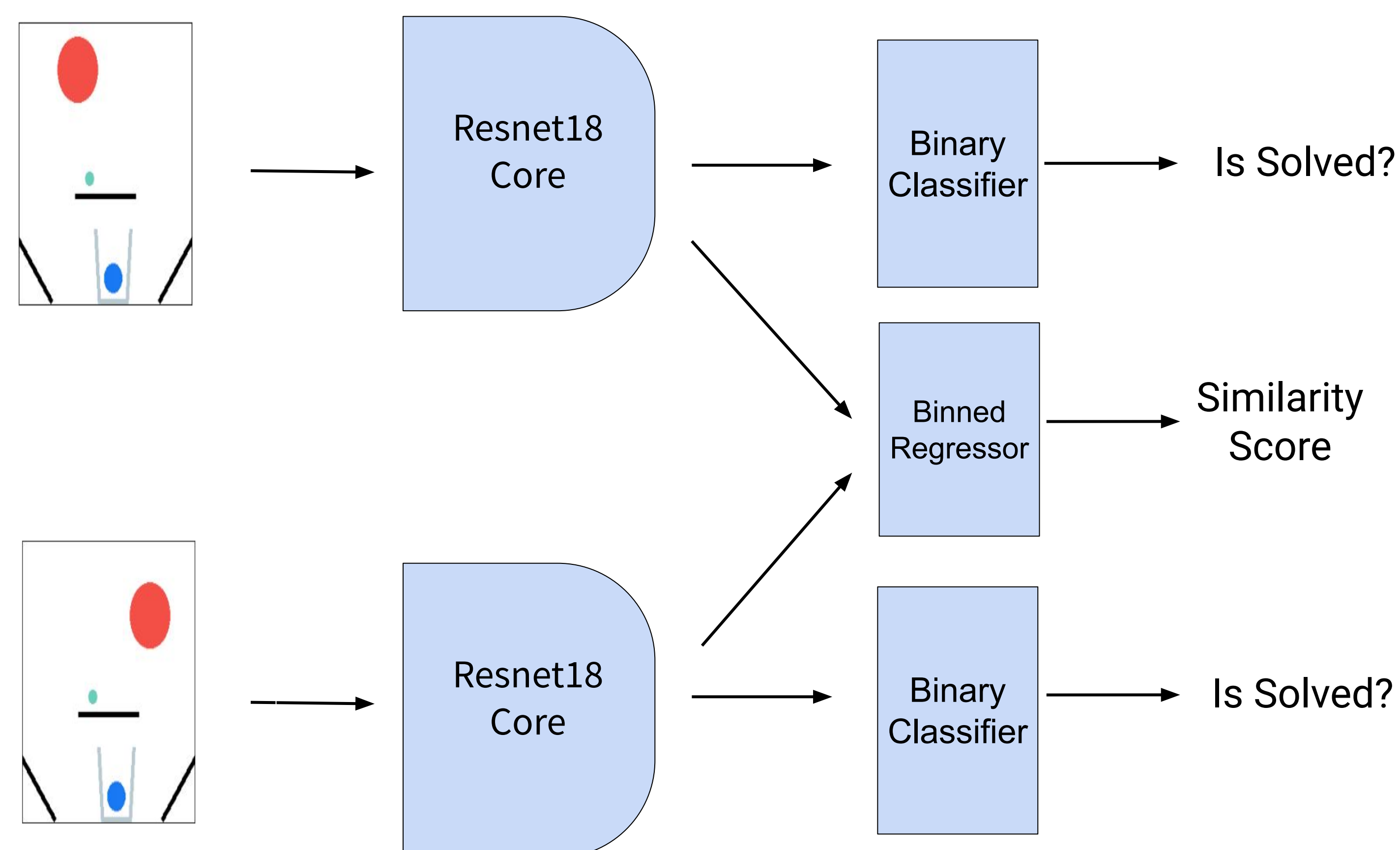
References

Bakhtin, A., van der Maaten, L., Johnson, J., Gustafson, L., and Girshick, R. PHYRE: A new benchmark for physical reasoning. In NeurIPS, 2019

Qi, H., Wang, X., Pathak, D., Ma, Y., and Malik, J. Learning long-term visual dynamics with region proposal interaction networks. In ICLR, 2021.

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The Hand-Crafted Task



The Contrastive Task

