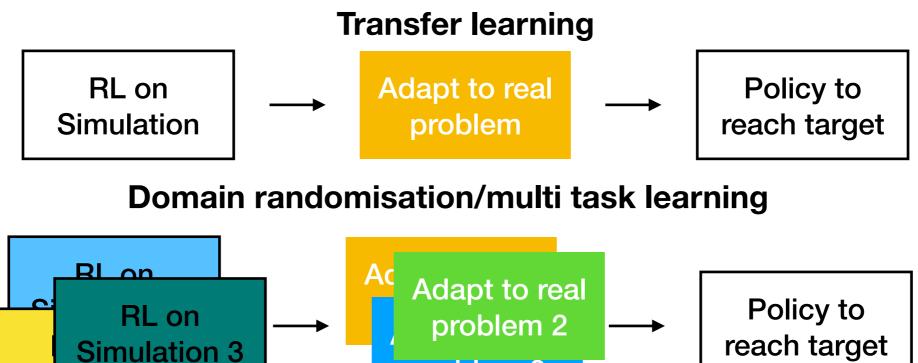
Motivation

- How we can use experience from some source domain to get into a position, where we can solve more efficiently or effectively new downstream tasks?
- Transfer learning: Using experience from one set of tasks for faster learning and better performance on a new task



problem 3

Can we do this smarter? → Meta-learning

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Simulana

What is meta-RL?

- Can the knowledge acquired from learning many different tasks be leveraged to expedite and improve the learning process for new tasks?
- Meta-learning = learn to learn
- Comes in many flavours we focus on gradient based meta-learning
- Closely related to multi task learning- in multi-task is the task provided explicitly
- Meta-learning distinguishes itself by its ability to infer tasks and its <u>explicit</u> focus on rapidly adapting to new task





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