

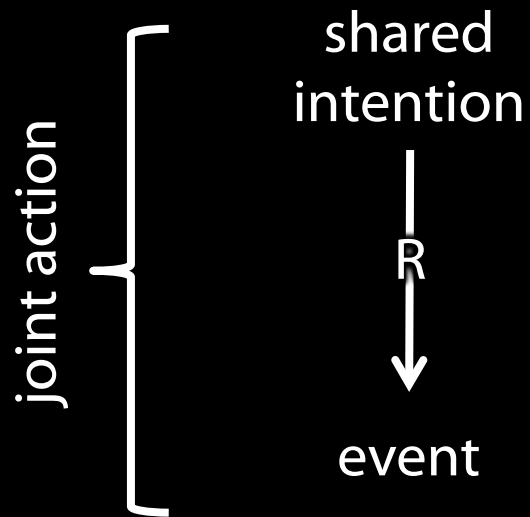
A large, transparent sphere is positioned on the right side of the slide. Inside the sphere, a vibrant sunset or sunrise scene is reflected. The sky is a mix of orange, yellow, and blue, with a bright sun partially obscured by dark, silhouetted trees. The reflection is distorted by the curvature of the sphere, creating a fisheye effect. The background of the slide is dark and out of focus.

Motor Representation and Shared Intention

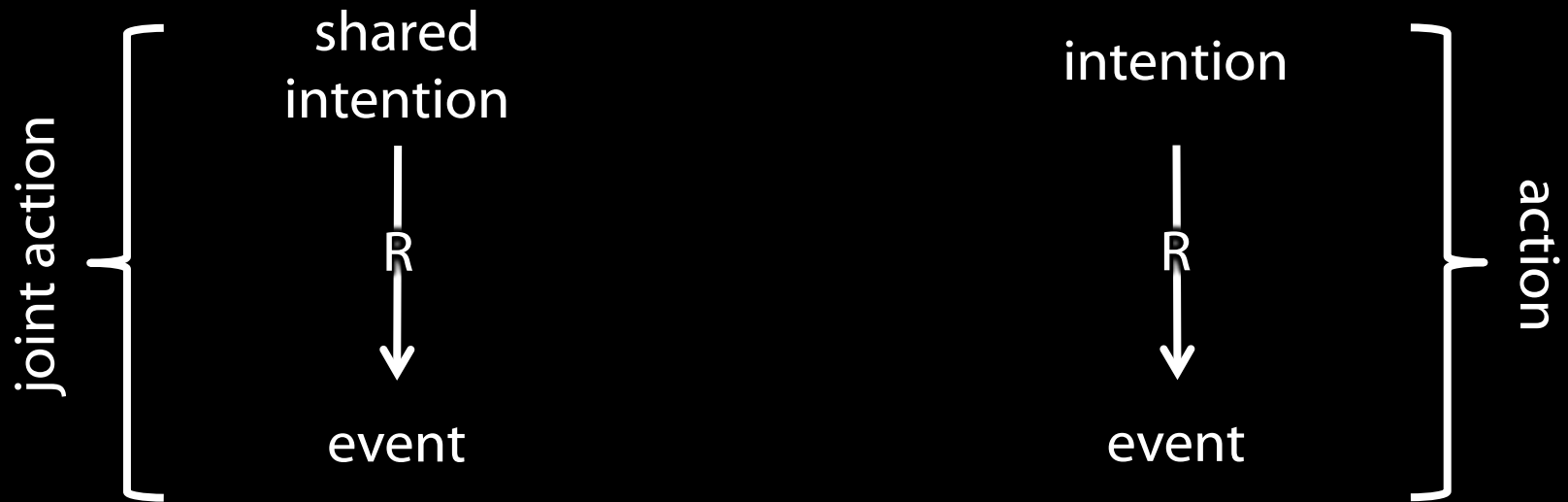
s.butterfill@warwick.ac.uk

Which events are ^{joint} actions?

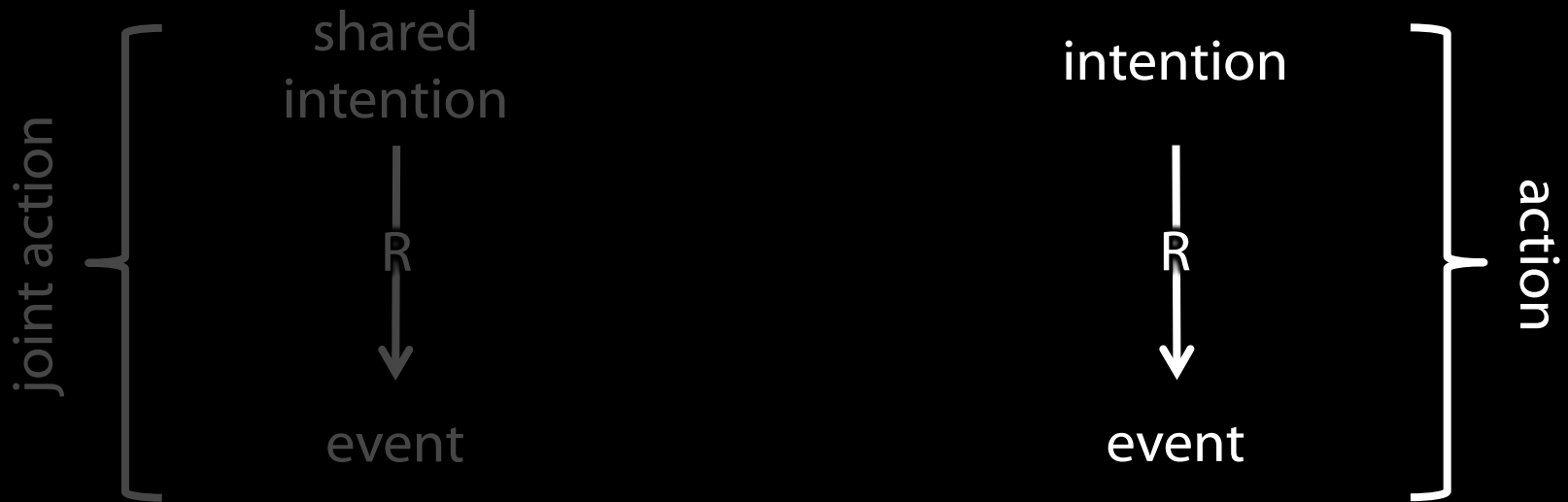
Which events are ^{joint} actions?



Which events are ^{joint} actions?



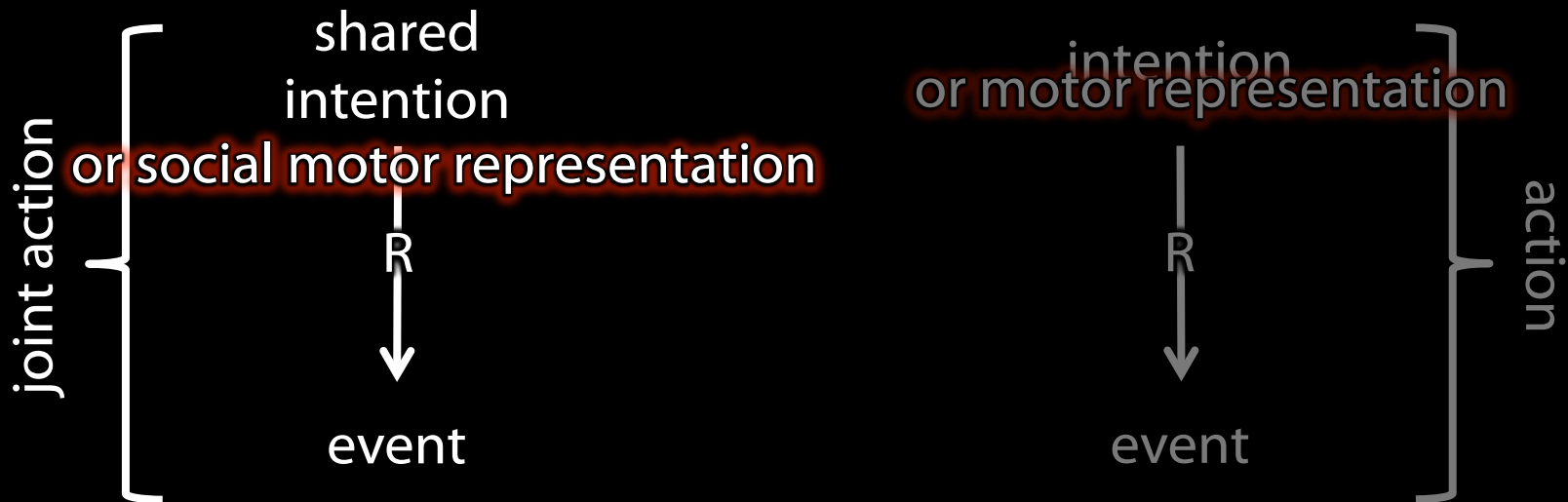
Which events are ^{joint} actions?



Which events are ^{joint} actions?



Which events are ^{joint} actions?



premise:

Some joint actions are facilitated by

reciprocal,

agent-neutral

motor

representations

of outcomes

whose obtaining would normally involve action

on the part of each agent

premise:

Some joint actions are facilitated by

reciprocal,

agent-neutral

motor

representations

of outcomes

whose obtaining would normally involve action

on the part of each agent

premise:

Some joint actions are facilitated by
reciprocal,
agent-neutral

motor
representations
of outcomes

whose obtaining would normally involve action
on the part of each agent

premise:

Some joint actions are facilitated by
reciprocal,

agent-neutral

motor

representations

of outcomes

whose obtaining would normally involve action
on the part of each agent

premise:

Some joint actions are facilitated by

reciprocal,

agent-neutral

motor

representations

of outcomes

whose obtaining would normally involve action

on the part of each agent

premise:

Some joint actions are facilitated by

reciprocal,

agent-neutral

motor

representations

of outcomes

whose obtaining would normally involve action
on the part of each agent

premise:

Some joint actions are facilitated by

reciprocal,

agent-neutral

motor

representations

of outcomes

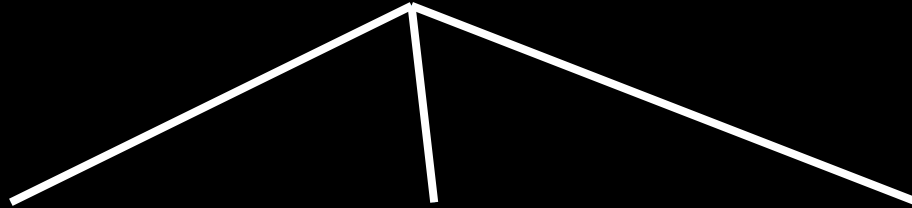
whose obtaining would normally involve action

on the part of each agent

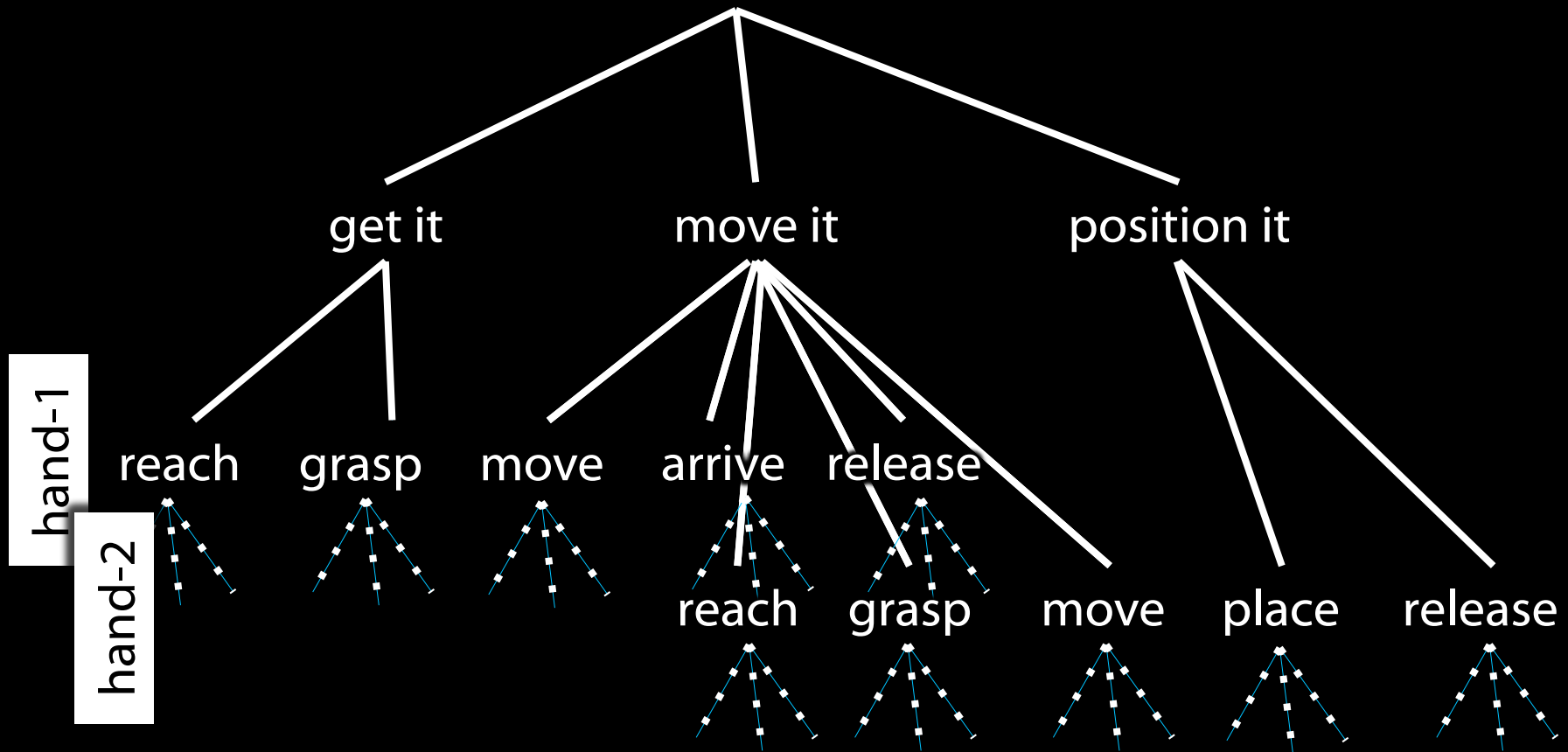
=_{df} 'social motor representation'

How could social motor representation
facilitate any joint action?

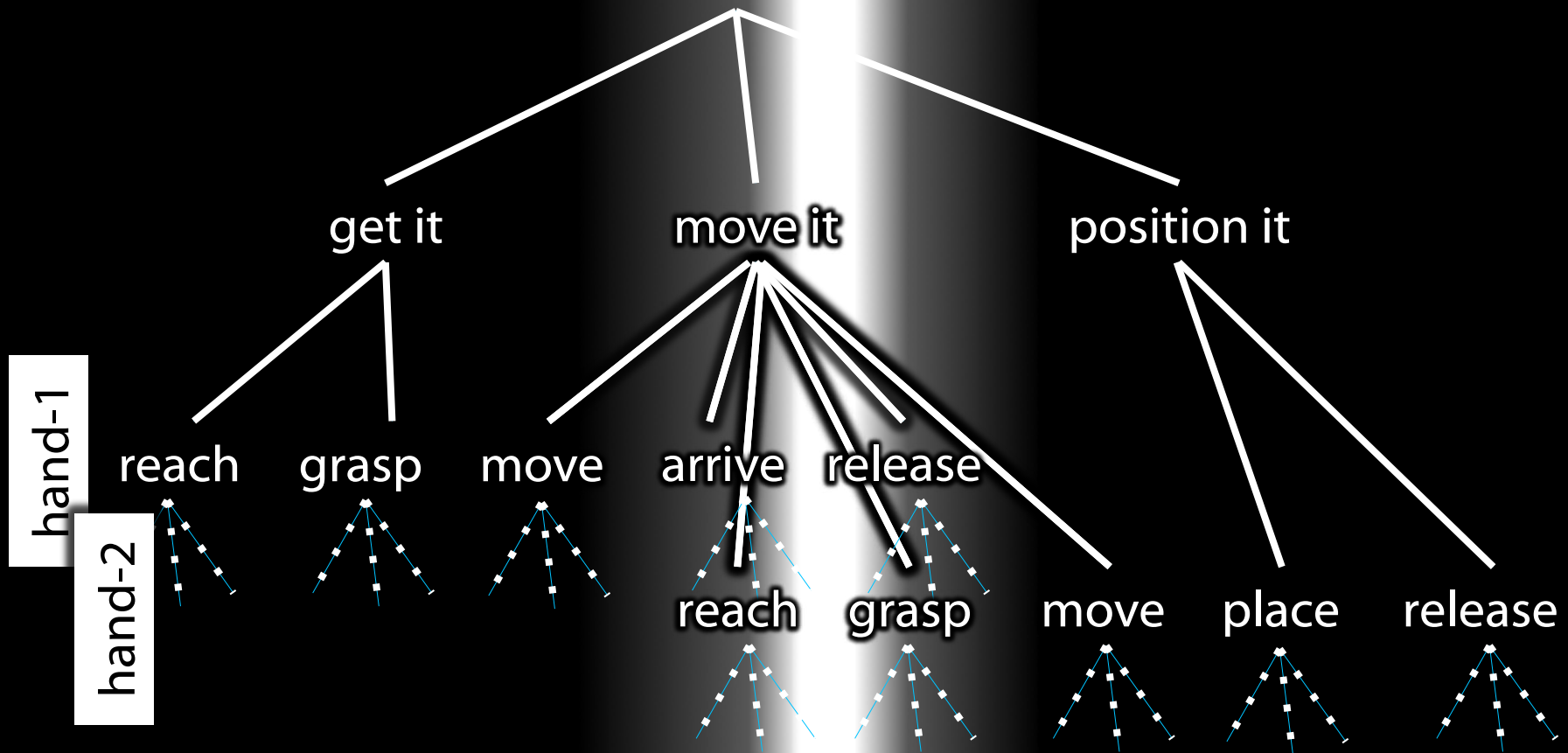
Move it from there to here



Move it from there to here



Move it from there to here



Move it from there to here

joint action:
same goal

get it

move it

position it

reach

grasp

move

arrive

release

reach

grasp

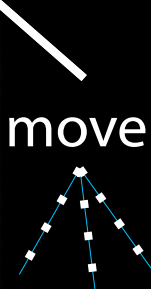
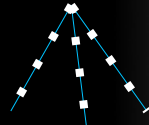
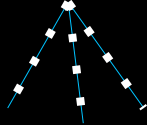
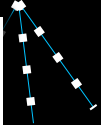
move

place

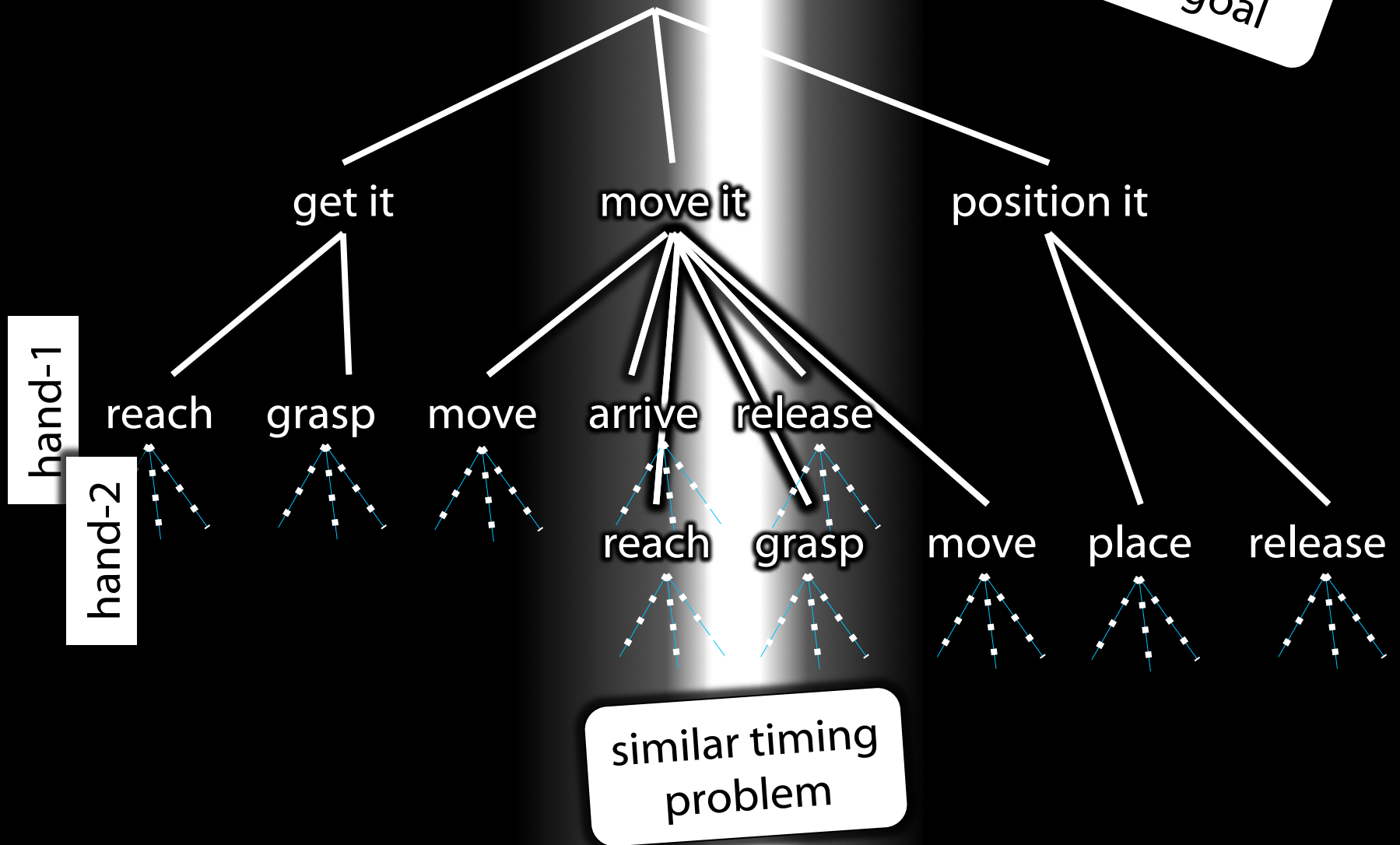
release

hand-1

hand-2



joint action:
same goal



Move it from there to here

joint action:
same goal

get it

move it

position it

same
planning

hand-1

hand-2

reach

grasp

move

arrive

release

reach

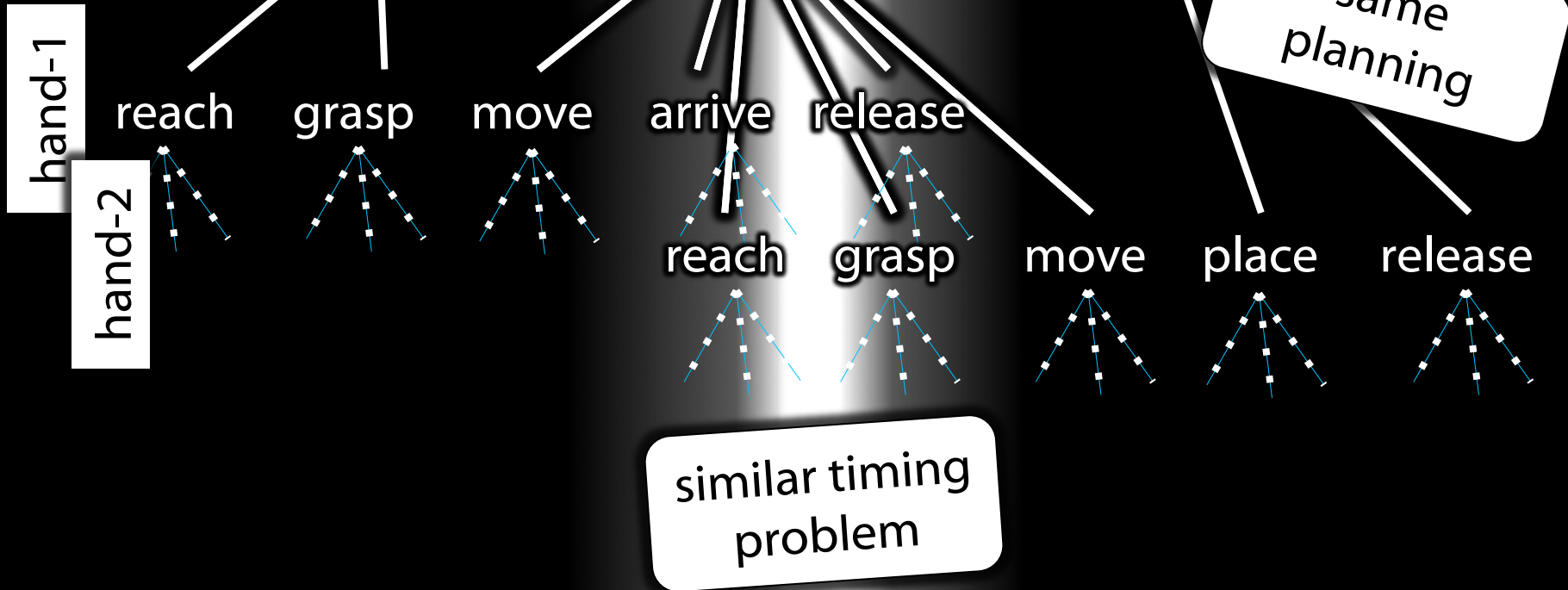
grasp

move

place

release

similar timing
problem



premise:

Some joint actions are facilitated by

reciprocal,

agent-neutral

motor

representations

of outcomes

whose obtaining would normally involve action

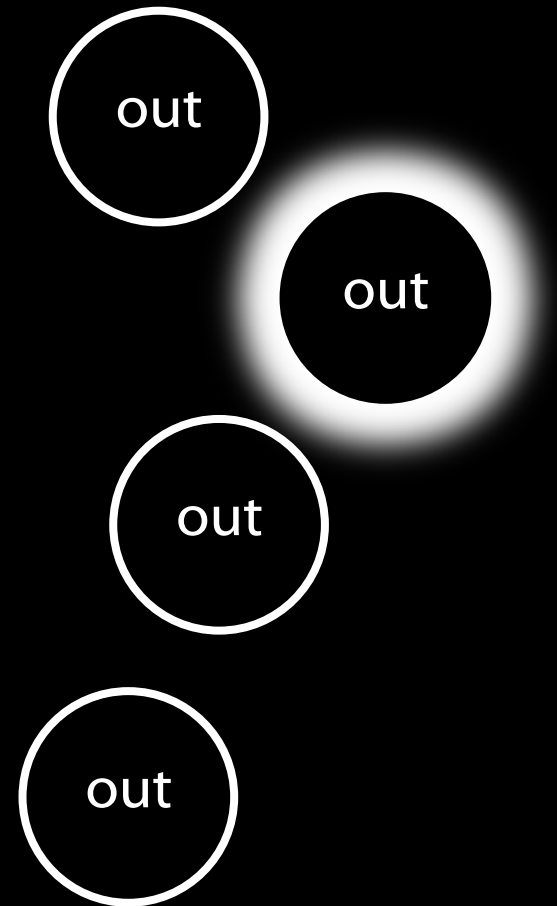
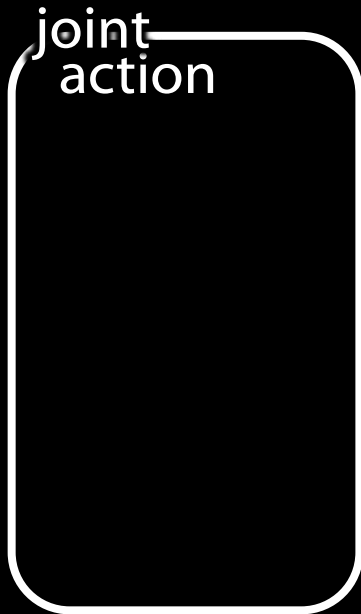
on the part of each agent

What is the relation between a purposive^{joint} action and the outcome or outcomes to which it is directed?

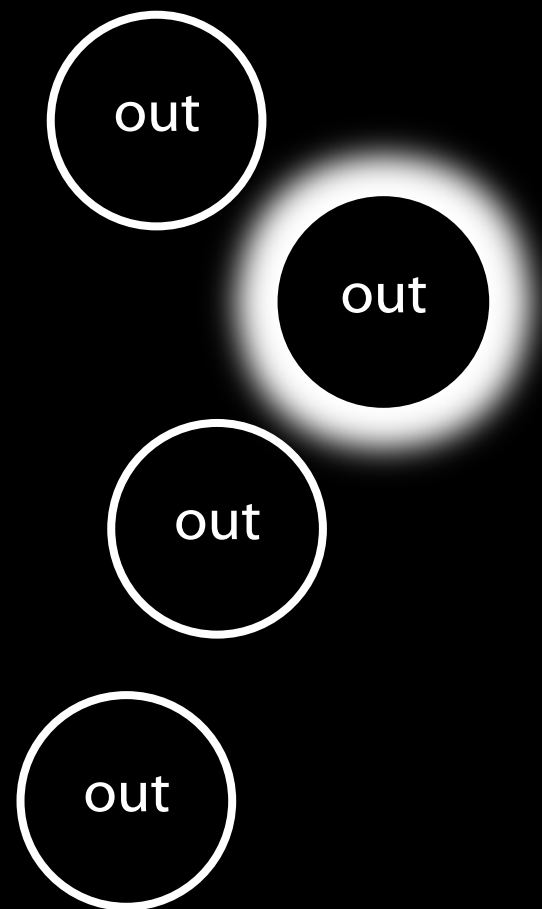
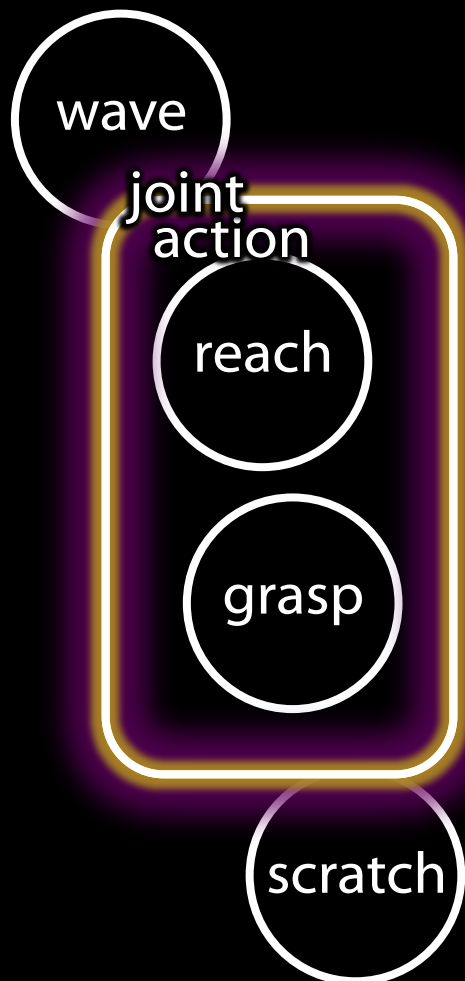
What is the relation between a purpositive^{joint} action and the outcome or outcomes to which it is directed?



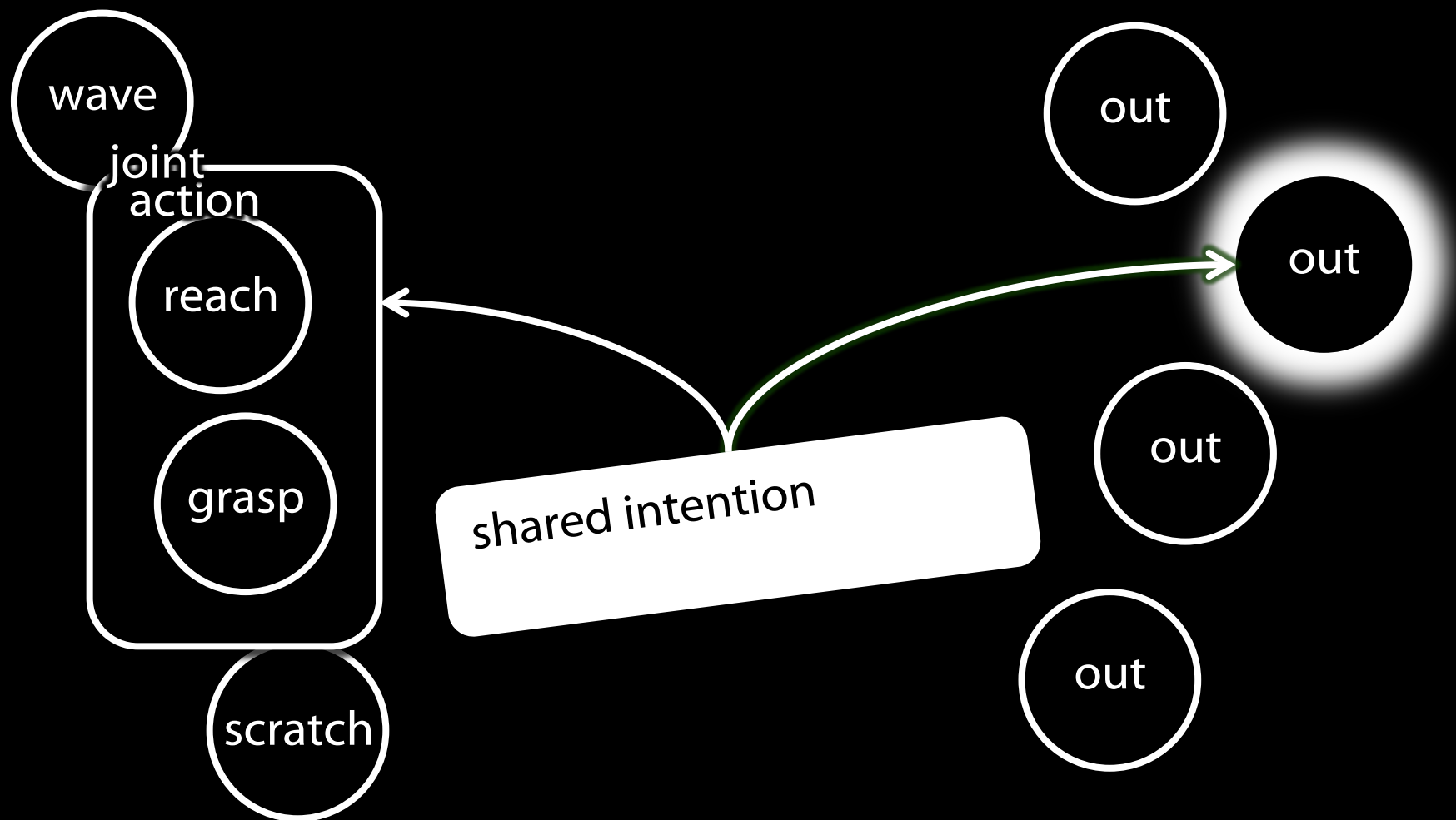
What is the relation between a purposive^{joint} action and the outcome or outcomes to which it is directed?



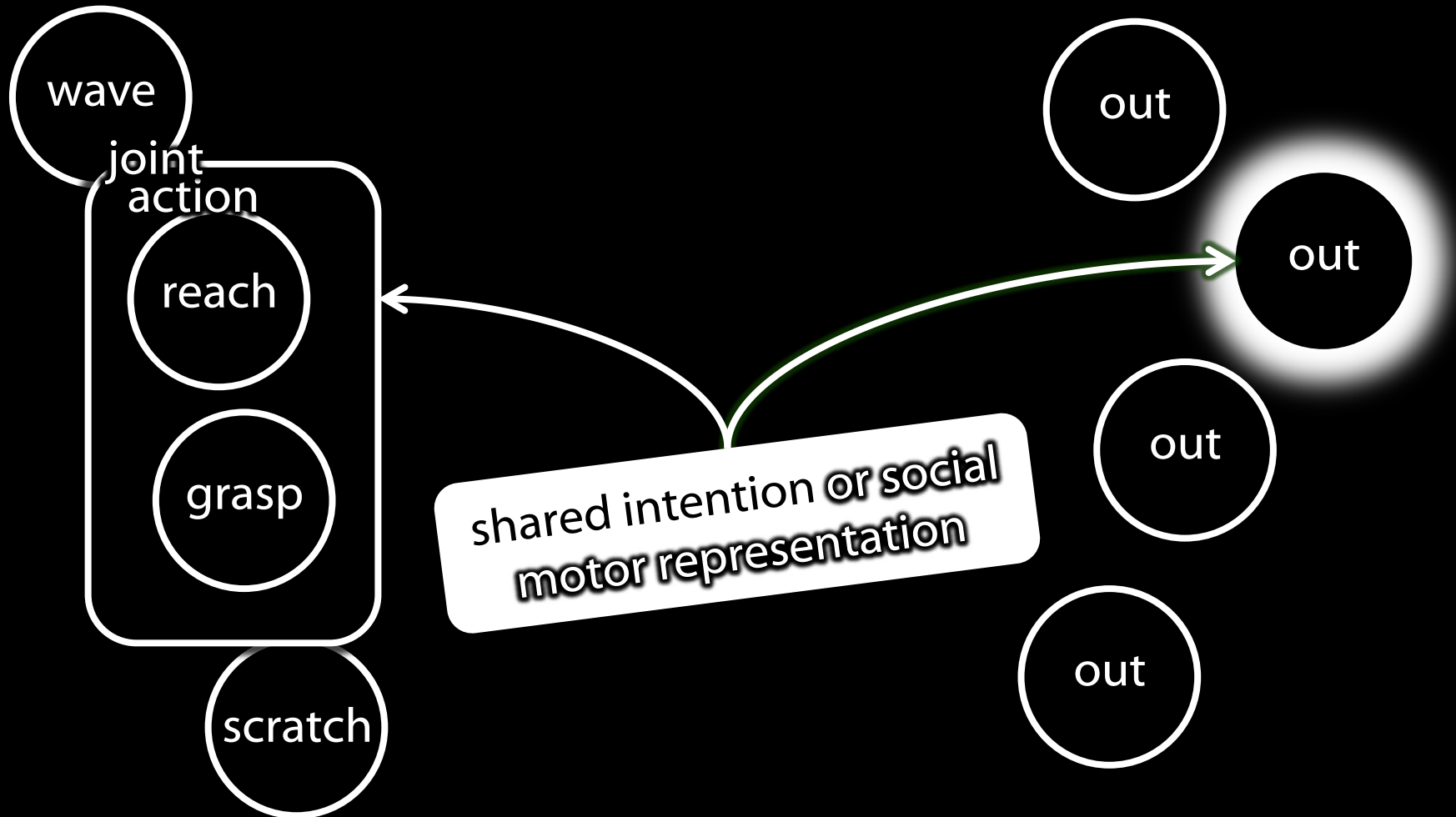
What is the relation between a purposive^{joint} action and the outcome or outcomes to which it is directed?



What is the relation between a purposive ^{joint} action and the outcome or outcomes to which it is directed?



What is the relation between a purposive ^{joint} action and the outcome or outcomes to which it is directed?



What is the relation between a purposive ^{joint} action and the outcome or outcomes to which it is directed?

