

Context	Problem	Description	Instances
arcade	Blackjack.arcade	A card is randomly drawn from a deck and added to the player hand, the goal is to stop with the highest value of the hand without going over 21.	0
arcade	Eight.arcade	Squares are moved to adjacent empty cells until a specific arrangement is achieved.	0, 1
arcade	Pong.arcade	Single player pong/tennis problem.	0
arcade	Sokoban.arcade	A person pushes boxes in a warehouse onto designated storage areas, difficult domain due to dead ends.	0
arcade	Sudoku.arcade	The sudoku number puzzle.	0, 1
arcade	Tetris.arcade	Tetris is the classic block stacking game.	0
arcade	TowerOfHanoi.arcade	The classic tower of Hanoi puzzle, where disks must be stacked onto a given rod.	0
arcade	Zombies.arcade	An epidemic game in which humans avoid becoming infected by zombies.	0, 1, 2, 3
ippc2011	CooperativeRecon.MDP.ippc2011	There is a 2d grid with an agent, a base, some hazard squares, and objects in different locations.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2011	CooperativeRecon.POMDP.ippc2011	There is a 2d grid with an agent, a base, some hazard squares, and objects in different locations. This is the pomdp version.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2011	CrossingTraffic.MDP.ippc2011	In a grid, a robot must get to a goal and avoid obstacles arriving randomly and moving left.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2011	CrossingTraffic.POMDP.ippc2011	In a grid, a robot must get to a goal and avoid obstacles arriving randomly and moving left. This is the pomdp version.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2011	Elevators.MDP.ippc2011	This domain has a number of elevators delivering passengers to either the top or the bottom floor.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2011	Elevators.POMDP.ippc2011	This domain has a number of elevators delivering passengers to either the top or the bottom floor. This is the pomdp version.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2011	GameOfLife.MDP.ippc2011	A simple DBN to encode Conway's cellular automata game of life on a grid.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2011	GameOfLife.POMDP.ippc2011	A simple DBN to encode Conway's cellular automata game of life on a grid. This is the pomdp version.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2011	Navigation.MDP.ippc2011	In a grid, a robot must get to a goal G, and every cell offers the robot a (different) chance of disappearing.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2011	Navigation.POMDP.ippc2011	In a grid, a robot must get to a goal G, and every cell offers the robot a (different) chance of disappearing. This is the pomdp version.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2011	SkillTeaching.MDP.ippc2011	The agent is trying to teach a series of skills to a student through the use of hints and multiple choice questions.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2011	SkillTeaching.POMDP.ippc2011	The agent is trying to teach a series of skills to a student through the use of hints and multiple choice questions. This is the pomdp version.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2011	SysAdmin.MDP.ippc2011	An example RDDL description for the well-known SysAdmin problem.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2011	SysAdmin.POMDP.ippc2011	An example RDDL description for the well-known SysAdmin problem. This is the pomdp version	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2011	Traffic.CTM.MDP.ippc2011	A simple binary version of the cell transition model (CTM) for modeling traffic.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2011	Traffic.CTM.POMDP.ippc2011	A simple binary version of the cell transition model (CTM) for modeling traffic. This is the pomdp version	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2014	AcademicAdvising.MDP.ippc2014	In this domain, a student may take courses at a given cost and passes the course with a probability determined by how many of the prerequisites they have successfully passed.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2014	AcademicAdvising.POMDP.ippc2014	In this domain, a student may take courses at a given cost and passes the course with a probability determined by how many of the prerequisites they have successfully passed. This is the pomdp version	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2014	CrossingTraffic.MDP.ippc2014	In a grid, a robot must get to a goal and avoid obstacles arriving randomly and moving left.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2014	CrossingTraffic.POMDP.ippc2014	In a grid, a robot must get to a goal and avoid obstacles arriving randomly and moving left. This is the pomdp version	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2014	Elevators.MDP.ippc2014	This domain has a number of elevators delivering passengers to either the top or the bottom floor.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2014	Elevators.POMDP.ippc2014	This domain has a number of elevators delivering passengers to either the top or the bottom floor. This is the pomdp	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2014	SkillTeaching.MDP.ippc2014	In this domain, the agent is trying to teach a series of skills to a student through the use of hints and multiple choice questions.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2014	SkillTeaching.POMDP.ippc2014	In this domain, the agent is trying to teach a series of skills to a student through the use of hints and multiple choice questions. This is the pomdp version	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2014	Tamarisk.MDP.ippc2014	The agent manages the spread of an invasive plant species, by manually intervening to eradicate them or restore the native species.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2014	Tamarisk.POMDP.ippc2014	The agent manages the spread of an invasive plant species, by manually intervening to eradicate them or restore the native species. This is the pomdp version	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2014	Traffic.MDP.ippc2014	A simple binary version of the cell transition model (CTM) for modeling traffic.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2014	Traffic.POMDP.ippc2014	A simple binary version of the cell transition model (CTM) for modeling traffic. This is the pomdp version	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2014	TriangleTireworld.MDP.ippc2014	In short, this problem was intended to be difficult for determinization/replanning approaches since the highest probability path to the goal is longer than other lower probability (but still possible) paths to the goal.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2014	TriangleTireworld.POMDP.ippc2014	In short, this problem was intended to be difficult for determinization/replanning approaches since the highest probability path to the goal is longer than other lower probability (but still possible) paths to the goal. This is the pomdp version	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2014	Wildfire.MDP.ippc2014	A boolean version of the wildfire fighting domain.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2014	Wildfire.POMDP.ippc2014	A boolean version of the wildfire fighting domain. This is the pomdp version	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ippc2018	AcademicAdvising.ippc2018	In this domain, a student may take courses at a given cost and passes the course with a probability determined by how many of the prerequisites they have successfully passed.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ippc2018	ChromaticDice.ippc2018	Chromatic Dice is a variant of the popular dice game Yahtzee (also known as Kniffel).	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ippc2018	CooperativeRecon.ippc2018	In this domain, the planner controls one or more planetary rovers that examine objects of interest in order to detect life and take a picture of it.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ippc2018	EarthObservation.ippc2018	The Earth Observation domain models a satellite orbiting Earth that can take pictures of the landscape below with a camera.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ippc2018	Manufacturer.ippc2018	In this domain, the agent manages a manufacturing company that buys goods to use them in the production of other goods.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ippc2018	PushYourLuck.ippc2018	As the name suggest, Push Your Luck is an artificial version of a "push your luck" game like, for instance, Can't Stop.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ippc2018	RedFinnedBlueEye.ippc2018	The Red-finned Blue-eye domain tackles the problem of eradicating the invasive Gambusia from the habitat of the red-finned blue-eye.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ippc2018	WildlifePreserve.V1.ippc2018	The aim of the Wildlife Preserve domain is to protect a wildlife preserve from poachers by sending available ranger to areas.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ippc2018	WildlifePreserve.V10.ippc2018	The aim of the Wildlife Preserve domain is to protect a wildlife preserve from poachers by sending available ranger to areas.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ippc2018	WildlifePreserve.V11.ippc2018	The aim of the Wildlife Preserve domain is to protect a wildlife preserve from poachers by sending available ranger to areas.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ippc2018	WildlifePreserve.V12.ippc2018	The aim of the Wildlife Preserve domain is to protect a wildlife preserve from poachers by sending available ranger to areas.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ippc2018	WildlifePreserve.V13.ippc2018	The aim of the Wildlife Preserve domain is to protect a wildlife preserve from poachers by sending available ranger to areas.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ippc2018	WildlifePreserve.V14.ippc2018	The aim of the Wildlife Preserve domain is to protect a wildlife preserve from poachers by sending available ranger to areas.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ippc2018	WildlifePreserve.V15.ippc2018	The aim of the Wildlife Preserve domain is to protect a wildlife preserve from poachers by sending available ranger to areas.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ippc2018	WildlifePreserve.V16.ippc2018	The aim of the Wildlife Preserve domain is to protect a wildlife preserve from poachers by sending available ranger to areas.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ippc2018	WildlifePreserve.V17.ippc2018	The aim of the Wildlife Preserve domain is to protect a wildlife preserve from poachers by sending available ranger to areas.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ippc2018	WildlifePreserve.V18.ippc2018	The aim of the Wildlife Preserve domain is to protect a wildlife preserve from poachers by sending available ranger to areas.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ippc2018	WildlifePreserve.V19.ippc2018	The aim of the Wildlife Preserve domain is to protect a wildlife preserve from poachers by sending available ranger to areas.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ippc2018	WildlifePreserve.V2.ippc2018	The aim of the Wildlife Preserve domain is to protect a wildlife preserve from poachers by sending available ranger to areas.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ippc2018	WildlifePreserve.V20.ippc2018	The aim of the Wildlife Preserve domain is to protect a wildlife preserve from poachers by sending available ranger to areas.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ippc2018	WildlifePreserve.V3.ippc2018	The aim of the Wildlife Preserve domain is to protect a wildlife preserve from poachers by sending available ranger to areas.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ippc2018	WildlifePreserve.V4.ippc2018	The aim of the Wildlife Preserve domain is to protect a wildlife preserve from poachers by sending available ranger to areas.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ippc2018	WildlifePreserve.V5.ippc2018	The aim of the Wildlife Preserve domain is to protect a wildlife preserve from poachers by sending available ranger to areas.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ippc2018	WildlifePreserve.V6.ippc2018	The aim of the Wildlife Preserve domain is to protect a wildlife preserve from poachers by sending available ranger to areas.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ippc2018	WildlifePreserve.V7.ippc2018	The aim of the Wildlife Preserve domain is to protect a wildlife preserve from poachers by sending available ranger to areas.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ippc2018	WildlifePreserve.V8.ippc2018	The aim of the Wildlife Preserve domain is to protect a wildlife preserve from poachers by sending available ranger to areas.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ippc2018	WildlifePreserve.V9.ippc2018	The aim of the Wildlife Preserve domain is to protect a wildlife preserve from poachers by sending available ranger to areas.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ippc2023	HVAC.ippc2023	Multi-zone and multi-heater HVAC control problem	0, 1, 2, 3, 4, 5, 6, 7
ippc2023	MarsRover.ippc2023	Multi Rover Navigation, where a group of agent needs to harvest mineral	0, 1, 2, 3, 4, 5
ippc2023	MountainCar.ippc2023	A simple continuous MDP for the classical mountain car control problem	1, 2, 3, 4, 5
ippc2023	PowerGen.ippc2023	A continuous simple power generation problem loosely modeled on the problem of unit commitment	1, 2, 3, 4, 5
ippc2023	RaceCar.ippc2023	A simple continuous MDP for the racecar problem	0, 1, 2, 3, 4, 5, 6
ippc2023	RecSim.ippc2023	A problem of recommendation systems, with consumers and providers	0, 1, 2, 3, 4, 5, 6
ippc2023	Reservoir.ippc2023	Continuous action version of management of the water level in interconnected reservoirs	1, 2, 3, 4, 5
ippc2023	UAV.ippc2023	Continuous action space version of multi-UAV problem where a group of UAVs have to reach goal positions in the 3d Space	1, 2, 3, 4, 5
gym	Acrobot.gym	The classical acrobot control problem.	0
gym	CartPole.Continuous.gym	A simple continuous state-action MDP for the classical cart-pole system by Rich Sutton, with actions that describe the continuous force applied to the cart.	0
gym	CartPole.Discrete.gym	A simple continuous state discrete action MDP for the classical cart-pole system by Rich Sutton, with actions that describe the direction of the force applied to the cart.	0
gym	MountainCar.Continuous.gym</		