s_I	a_0	s_0	a_1	s_1	a_2	s_2	a_3	s_3	a_4	s_4	a_5	s_5	a_6	s_6	a_7	s_7
$\mathtt{free}m_1 := \top$	start_forward	$\mathtt{free}m_1 := \top$	goto_pickup	$\mathtt{free}m_1 := \top$	drain_battery	$\mathtt{free}m_1 := \top$	pickup_per_group	$\mathtt{free}m_1 := \{\top, \bot\}$	switch_group	$\mathtt{free}m_1 := \{\top, \bot\}$	charging_battery	$\mathtt{free}m_1 := \{\top, \bot\}$	load	$\mathtt{free}m_1 := \{\top, \bot\}$	doneload	$\mathtt{free}m_1 := \{\top, \bot\}$
$\mathtt{free}m_2 := \top$		$\mathtt{free}m_2 := \top$		$\mathtt{free}m_2 := \top$	stop_at_crate	$\mathtt{free}m_2 := \top$	pickup_by_two	$\mathtt{free}m_2 := \{\top, \bot\}$	coeff_changer_light	$\mathtt{free}m_2 := \{\top, \bot\}$	switch_group	$\mathtt{free}m_2 := \{\top, \bot\}$		$\mathtt{free}m_2 := \{\top, \bot\}$		$\mathtt{free}m_2 := \{\top, \bot\}$
$\mathtt{rob\_pos}m_1 \in [0,0]$		$\mathtt{rob\_pos}m_1 \in [0,0]$		$\mathtt{rob\_pos}m_1 \in [1,+\infty)$		$\mathtt{rob\_pos}m_1 \in [1,+\infty)$	pickup_by_two_per_group	$\mathtt{rob\_pos}m_1 \in [1,+\infty)$	coeff_changer_heavy	$\mathtt{rob\_pos}m_1 \in (-\infty,+\infty)$	stop_handover	$\mathtt{rob\_pos}m_1 \in (-\infty,+\infty)$		$\mathtt{rob\_pos}m_1 \in (-\infty,+\infty)$		$\mathtt{rob\_pos}m_1 \in (-\infty,+\infty)$
$\mathtt{rob\_pos}m_2 \in [0,0]$		$\mathtt{rob\_pos}m_2 \in [0,0]$		$\mathtt{rob\_pos}m_2 \in [1,+\infty)$		$\mathtt{rob\_pos}m_2 \in [1,+\infty)$		$\mathtt{rob\_pos}m_2 \in [1,+\infty)$	backto_loader	$\mathtt{rob\_pos}m_2 \in (-\infty,+\infty)$	stop_handover_by_two	$\mathtt{rob\_pos}m_2 \in (-\infty,+\infty)$		$\mathtt{rob\_pos}m_2 \in (-\infty,+\infty)$		$\mathtt{rob\_pos}m_2 \in (-\infty,+\infty)$
$\mathtt{moving}m_1 := \bot$		$\mathtt{moving}m_1 := \top$		$\mathtt{moving}m_1 := \top$		$\mathtt{moving}m_1 := \{\top, \bot\}$		$\mathtt{moving}m_1 := \{\top, \bot\}$		$\mathtt{moving}m_1 := \{\top, \bot\}$		$\mathtt{moving}m_1 := \{\top, \bot\}$		$\mathtt{moving}m_1 := \{\top, \bot\}$		$\mathtt{moving}m_1 := \{\top, \bot\}$
$\mathtt{moving}m_2 := \bot$		$\mathtt{moving}m_2 := \top$		$\mathtt{moving}m_2 := \top$		$\mathtt{moving}m_2 := \{\top, \bot\}$		$\mathtt{moving}m_2 := \{\top, \bot\}$		$\mathtt{moving}m_2 := \{\top, \bot\}$		$\mathtt{moving}m_2 := \{\top, \bot\}$		$\mathtt{moving}m_2 := \{\top, \bot\}$		$\mathtt{moving}m_2 := \{\top, \bot\}$
$\mathtt{topositive}m_1 := \bot$		$\mathtt{topositive}m_1 := \top$		$\mathtt{topositive}m_1 := \top$		$\mathtt{topositive}m_1 := \top$		$\mathtt{topositive}m_1 := \{\top, \bot\}$		$\mathtt{topositive}m_1 := \{\top, \bot\}$		$\mathtt{topositive}m_1 := \{\top, \bot\}$		$\mathtt{topositive}m_1 := \{\top, \bot\}$		$\mathtt{topositive}m_1 := \{\top, \bot\}$
$\mathtt{topositive}m_2 := \bot$		$\mathtt{topositive}m_2 := \top$		$\mathtt{topositive}m_2 := \top$		$\mathtt{topositive}m_2 := \top$		$\mathtt{topositive}m_2 := \{\top, \bot\}$		$\mathtt{topositive}m_2 := \{\top, \bot\}$		$\mathtt{topositive}m_2 := \{\top, \bot\}$		$\mathtt{topositive}m_2 := \{\top, \bot\}$		$\mathtt{topositive}m_2 := \{\top, \bot\}$
$\mathtt{battery}m_1 \in [20,20]$		$\mathtt{battery}m_1 \in [20,20]$		$\mathtt{battery}m_1 \in [20,20]$		$\mathtt{battery}m_1 \in (-\infty,20]$		$\mathtt{battery}m_1 \in (-\infty,20]$		$\mathtt{battery}m_1 \in (-\infty,20]$		$\mathtt{battery}m_1 \in (-\infty,20]$		$\mathtt{battery}m_1 \in (-\infty,20]$		$\mathtt{battery}m_1 \in (-\infty,20]$
$\mathtt{battery}m_2 \in [20,20]$		$\mathtt{battery}m_2 \in [20,20]$		$\mathtt{battery}m_2 \in [20,20]$		$\mathtt{battery}m_2 \in (-\infty,20]$		$\mathtt{battery}m_2 \in (-\infty,20]$		$\mathtt{battery}m_2 \in (-\infty,20]$		$\mathtt{battery}m_2 \in (-\infty,20]$		$\mathtt{battery}m_2 \in (-\infty,20]$		$\mathtt{battery}m_2 \in (-\infty,20]$
$\mathtt{velocity}m_1 \in [10,10]$		$\mathtt{velocity}m_1 \in [10,10]$		$\mathtt{velocity}m_1 \in [10,10]$		$\mathtt{velocity}m_1 \in [10,10]$		$\mathtt{velocity}m_1 \in [10,10] \cup [\frac{100}{\mathtt{weight}c_2}, \frac{100}{\mathtt{weight}c_2}]$		$\mathtt{velocity}m_1 \in [10,10] \cup [\frac{100}{\mathtt{weight}c_2}, \frac{100}{\mathtt{weight}c_2}] \cup [\frac{150}{\mathtt{weight}c_2}, \frac{150}{\mathtt{weight}c_2}] \cup [\frac{100}{\mathtt{weight}c_1}, \frac{100}{\mathtt{weight}c_1}]$		$\mathtt{velocity}m_1 \in [10,10] \in [10,10] \cup [\frac{100}{\mathtt{weight}c_2}, \frac{100}{\mathtt{weight}c_2}] \cup [\frac{150}{\mathtt{weight}c_2}, \frac{150}{\mathtt{weight}c_2}] \cup [\frac{100}{\mathtt{weight}c_1}, \frac{100}{\mathtt{weight}c_1}] \cup [\mathtt{maxvel}, \mathtt{maxvel}]$		$\mathtt{velocity}m_1 \in [10,10] \in [10,10] \cup [\frac{100}{\mathtt{weight}c_2}, \frac{100}{\mathtt{weight}c_2}] \cup [\frac{150}{\mathtt{weight}c_2}, \frac{150}{\mathtt{weight}c_2}] \cup [\frac{100}{\mathtt{weight}c_1}, \frac{100}{\mathtt{weight}c_1}] \cup [\mathtt{maxvel}, \mathtt{maxvel}]$		$\mathtt{velocity}m_1 \in [10,10] \in [10,10] \cup [\frac{100}{\mathtt{weight}c_2}, \frac{100}{\mathtt{weight}c_2}] \cup [\frac{150}{\mathtt{weight}c_2}, \frac{150}{\mathtt{weight}c_2}] \cup [\frac{100}{\mathtt{weight}c_1}, \frac{100}{\mathtt{weight}c_1}] \cup [\mathtt{maxvel}, \mathtt{maxvel}]$
$\mathtt{velocity}m_2 \in [10,10]$		$\mathtt{velocity}m_2 \in [10,10]$		$\mathtt{velocity}m_2 \in [10,10]$		$\mathtt{velocity}m_2 \in [10,10]$		$\mathtt{velocity}m_2 \in [10,10] \cup [\frac{100}{\mathtt{weight}c_2}, \frac{100}{\mathtt{weight}c_2}]$		$\mathtt{velocity}m_2 \in [10,10] \in [10,10] \cup [\frac{100}{\mathtt{weight}c_2}, \frac{100}{\mathtt{weight}c_2}] \cup [\frac{150}{\mathtt{weight}c_2}, \frac{150}{\mathtt{weight}c_2}] \cup [\frac{100}{\mathtt{weight}c_1}, \frac{100}{\mathtt{weight}c_1}]$		$\mathtt{velocity}m_2 \in [10,10] \in [10,10] \cup [\frac{100}{\mathtt{weight}c_2}, \frac{100}{\mathtt{weight}c_2}] \cup [\frac{150}{\mathtt{weight}c_2}, \frac{150}{\mathtt{weight}c_2}] \cup [\frac{100}{\mathtt{weight}c_1}, \frac{100}{\mathtt{weight}c_1}] \cup [\mathtt{maxvel}, \mathtt{maxvel}]$		$\mathtt{velocity}m_2 \in [10,10] \in [10,10] \cup [\frac{100}{\mathtt{weight}c_2}, \frac{100}{\mathtt{weight}c_2}] \cup [\frac{150}{\mathtt{weight}c_2}, \frac{150}{\mathtt{weight}c_2}] \cup [\frac{100}{\mathtt{weight}c_1}, \frac{100}{\mathtt{weight}c_1}] \cup [\mathtt{maxvel}, \mathtt{maxvel}]$		$\mathtt{velocity}m_2 \in [10,10] \in [10,10] \cup [\frac{100}{\mathtt{weight}c_2}, \frac{100}{\mathtt{weight}c_2}] \cup [\frac{150}{\mathtt{weight}c_2}, \frac{150}{\mathtt{weight}c_2}] \cup [\frac{100}{\mathtt{weight}c_1}, \frac{100}{\mathtt{weight}c_1}] \cup [\mathtt{maxvel}, \mathtt{maxvel}]$
$\mathtt{isloaded}m_1 := \bot$		$\mathtt{isloaded}m_1 := \bot$		$\mathtt{isloaded}m_1 := \bot$		$\mathtt{isloaded}m_1 := \bot$		$\mathtt{isloaded}m_1 := \bot$		$\mathtt{isloaded}m_1 := \bot$		$\mathtt{isloaded}m_1 := \bot$		$\mathtt{isloaded}m_1 := \bot$		$\mathtt{isloaded}m_1 := \{\top, \bot\}$
$\mathtt{isloaded}m_2 := \bot$		$\mathtt{isloaded}m_2 := \bot$		$\mathtt{isloaded}m_2 := \bot$		$\mathtt{isloaded}m_2 := \bot$		$\mathtt{isloaded}m_2 := \bot$		$\mathtt{isloaded}m_2 := \bot$		$\mathtt{isloaded}m_2 := \bot$		$\mathtt{isloaded}m_2 := \bot$		$\mathtt{isloaded}m_2 := \{\top, \bot\}$
$\mathtt{coef\_set} := \bot$		$\mathtt{coef\_set} := \bot$		$\mathtt{coef\_set} := \bot$		$\mathtt{coef\_set} := \bot$		$\mathtt{coef\_set} := \{\top, \bot\}$		$\mathtt{coef\_set} := \{\top, \bot\}$		$\mathtt{coef\_set} := \{\top, \bot\}$		$\mathtt{coef\_set} := \{\top, \bot\}$		$\mathtt{coef\_set} := \{\top, \bot\}$
$\mathtt{at\_company}c_1 := \top$		$\mathtt{at\_company}c_1 := \top$		$\mathtt{at\_company}c_1 := \top$		$\mathtt{at\_company}c_1 := \top$		$\mathtt{at\_company}c_1 := \{\top, \bot\}$		$\mathtt{at\_company}c_1 := \{\top, \bot\}$		$\mathtt{at\_company}c_1 := \{\top, \bot\}$		$\mathtt{at\_company}c_1 := \{\top, \bot\}$		$\mathtt{at\_company}c_1 := \{\top, \bot\}$
$\mathtt{at\_company}c_2 := \top$		$\mathtt{at\_company}c_2 := \top$		$\mathtt{at\_company}c_2 := \top$		$\mathtt{at\_company}c_2 := \top$		$\mathtt{at\_company}c_2 := \{\top, \bot\}$		$\mathtt{at\_company}c_2 := \{\top, \bot\}$		$\mathtt{at\_company}c_2 := \{\top, \bot\}$		$\mathtt{at\_company}c_2 := \{\top, \bot\}$		$\mathtt{at\_company}c_2 := \{\top, \bot\}$
$\mathtt{elementspergroup}A \in [1,1]$		$\mathtt{elementspergroup}A \in [1,1]$		$\mathtt{elementspergroup}A \in [1,1]$		$\mathtt{elementspergroup}A \in [1,1]$		$\mathtt{elementspergroup}A \in (-\infty,1]$		$\mathtt{elementspergroup}A \in (-\infty,1]$		$\mathtt{elementspergroup}A \in (-\infty,1]$		$\mathtt{elementspergroup}A \in (-\infty,1]$		$\mathtt{elementspergroup}A \in (-\infty,1]$
$\mathtt{currentgroupset} := \bot$		$\mathtt{currentgroupset} := \bot$		$\mathtt{currentgroupset} := \bot$		$\mathtt{currentgroupset} := \bot$		$\mathtt{currentgroupset} := \{\top, \bot\}$		$\mathtt{currentgroupset} := \{\top, \bot\}$		$\mathtt{currentgroupset} := \{\top, \bot\}$		$\mathtt{currentgroupset} := \{\top, \bot\}$		$\mathtt{currentgroupset} := \{\top, \bot\}$
$\mathtt{currentgroup} \in [0,0]$		$\mathtt{currentgroup} \in [0,0]$		$\mathtt{currentgroup} \in [0,0]$		$\mathtt{currentgroup} \in [0,0]$		$\mathtt{currentgroup} \in [0,0] \cup [\mathtt{belong}c_2, \mathtt{belong}c_2]$		$\mathtt{currentgroup} \in [0,0] \cup [\mathtt{belong}c_2, \mathtt{belong}c_2]$		$\mathtt{currentgroup} \in [0,0] \cup [\mathtt{belong}c_2, \mathtt{belong}c_2]$		$\mathtt{currentgroup} \in [0,0] \cup [\mathtt{belong}c_2, \mathtt{belong}c_2]$		$\mathtt{currentgroup} \in [0,0] \cup [\mathtt{belong}c_2, \mathtt{belong}c_2]$
$\mathtt{loadertimer}l1 \in [0,0]$		$\mathtt{loadertimer}l1 \in [0,0]$		$\mathtt{loadertimer}l1 \in [0,0]$		$\mathtt{loadertimer}l1 \in [0,0]$		$\mathtt{loadertimer}l1 \in [0,0]$		$\mathtt{loadertimer}l1 \in [0,0]$		$\mathtt{loadertimer}l1 \in [0,0]$		$\mathtt{loadertimer}l1 \in [0,6]$		$\mathtt{loadertimer}l1 \in [0,6]$
$\mathtt{loadertimer}l2 \in [0,0]$		$\mathtt{loadertimer}l2 \in [0,0]$		$\mathtt{loadertimer}l2 \in [0,0]$		$\mathtt{loadertimer}l2 \in [0,0]$		$\mathtt{loadertimer}l2 \in [0,0]$		$\mathtt{loadertimer}l2 \in [0,0]$		$\mathtt{loadertimer}l2 \in [0,0]$		$\mathtt{loadertimer}l2 \in [0,6]$		$\mathtt{loadertimer}l2 \in [0,6]$
$\mathtt{busyloading}l1 := \bot$		$\mathtt{busyloading}l1 := \bot$		$\mathtt{busyloading}l1 := \bot$		$\mathtt{busyloading}l1 := \bot$		$\mathtt{busyloading}l1 := \bot$		$\mathtt{busyloading}l1 := \bot$		$\mathtt{busyloading}l1 := \{\top, \bot\}$		$\mathtt{busyloading}l1 := \{\top, \bot\}$		$\mathtt{busyloading}l1 := \{\top, \bot\}$
$\mathtt{busyloading}l2 := \bot$		$\mathtt{busyloading}l2 := \bot$		$\mathtt{busyloading}l2 := \bot$		$\mathtt{busyloading}l2 := \bot$		$\mathtt{busyloading}l2 := \bot$		$\mathtt{busyloading}l2 := \bot$		$\mathtt{busyloading}l2 := \{\top, \bot\}$		$\mathtt{busyloading}l2 := \{\top, \bot\}$		$\mathtt{busyloading}l2 := \{\top, \bot\}$
$\mathtt{freeloader}l1 := \top$		$\mathtt{freeloader}l1 := \top$		$\mathtt{freeloader}l1 := \top$		$\mathtt{freeloader}l1 := \top$		$\mathtt{freeloader}l1 := \top$		$\mathtt{freeloader}l1 := \top$		$\mathtt{freeloader}l1 := \{\top, \bot\}$		$\mathtt{freeloader}l1 := \{\top, \bot\}$		$\mathtt{freeloader}l1 := \{\top, \bot\}$
$\mathtt{freeloader}l2 := \top$		$\mathtt{freeloader}l2 := \top$		$\mathtt{freeloader}l2 := \top$		$\mathtt{freeloader}l2 := \top$		$\mathtt{freeloader}l2 := \top$		$\mathtt{freeloader}l2 := \top$		$\mathtt{freeloader}l2 := \{\top, \bot\}$		$\mathtt{freeloader}l2 := \{\top, \bot\}$		$\mathtt{freeloader}l2 := \{\top, \bot\}$
$\mathtt{carry}c_1m_1 := \bot$		$\mathtt{carry}c_1m_1 := \bot$		$\mathtt{carry}c_1m_1 := \bot$		$\mathtt{carry}c_1m_1 := \bot$		$\mathtt{carry}c_1m_1 := \{\top, \bot\}$		$\mathtt{carry}c_1m_1 := \{\top, \bot\}$		$\mathtt{carry}c_1m_1 := \{\top, \bot\}$		$\mathtt{carry}c_1m_1 := \{\top, \bot\}$		$\mathtt{carry}c_1m_1 := \{\top, \bot\}$
$\mathtt{carry}c_1m_2 := \bot$		$\mathtt{carry}c_1m_2 := \bot$		$\mathtt{carry}c_1m_2 := \bot$		$\mathtt{carry}c_1m_2 := \bot$		$\mathtt{carry}c_1m_2 := \{\top, \bot\}$		$\mathtt{carry}c_1m_2 := \{\top, \bot\}$		$\mathtt{carry}c_1m_2 := \{\top, \bot\}$		$\mathtt{carry}c_1m_2 := \{\top, \bot\}$		$\mathtt{carry}c_1m_2 := \{\top, \bot\}$
$\mathtt{carry}c_2m_1 := \bot$		$\mathtt{carry}c_2m_1 := \bot$		$\mathtt{carry}c_2m_1 := \bot$		$\mathtt{carry}c_2m_1 := \bot$		$\mathtt{carry}c_2m_1 := \{\top, \bot\}$		$\mathtt{carry}c_2m_1 := \{\top, \bot\}$		$\mathtt{carry}c_2m_1 := \{\top, \bot\}$		$\mathtt{carry}c_2m_1 := \{\top, \bot\}$		$\mathtt{carry}c_2m_1 := \{\top, \bot\}$
$\mathtt{carry}c_2m_2 := \bot$		$\mathtt{carry}c_2m_2 := \bot$		$\mathtt{carry}c_2m_2 := \bot$		$\mathtt{carry}c_2m_2 := \bot$		$\mathtt{carry}c_2m_2 := \{\top, \bot\}$		$\mathtt{carry}c_2m_2 := \{\top, \bot\}$		$\mathtt{carry}c_2m_2 := \{\top, \bot\}$		$\mathtt{carry}c_2m_2 := \{\top, \bot\}$		$\mathtt{carry}c_2m_2 := \{\top, \bot\}$
$\mathtt{position}c_1 \in [10,10]$		$\mathtt{position}c_1 \in [10,10]$		$\mathtt{position}c_1 \in [10,10]$		$\mathtt{position}c_1 \in [10,10]$		$\mathtt{position}c_1 \in [10,10]$		$\mathtt{position}c_1 \in [10,10]$		$\mathtt{position}c_1 \in [10,10] \cup [0,0]$		$\mathtt{position}c_1 \in [10,10] \cup [0,0]$		$\mathtt{position}c_1 \in [10,10] \cup [0,0]$
$\mathtt{position}c_2 \in [20,20]$		$\mathtt{position}c_2 \in [20,20]$		$\mathtt{position}c_2 \in [20,20]$		$\mathtt{position}c_2 \in [20,20]$		$\mathtt{position}c_2 \in [20,20]$		$\mathtt{position}c_2 \in [20,20]$		$\mathtt{position}c_2 \in [20,20] \cup [0,0]$		$\mathtt{position}c_2 \in [20,20] \cup [0,0]$		$\mathtt{position}c_2 \in [20,20] \cup [0,0]$