Résultats de ASP et MCTS
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Il faut placer le dossier « mtcs » dans les dossier « pddl4j\src\main\java\fr\uga\pddl4j\examples »

Commandes (sur Windows) pour compiler puis lancer les deux programmes :

Compilation :
javac -d classes -cp build\libs\pddl4j-4.0.0.jar;lib* src\main\java\fr\uga\pddl4j\examples\asp\
Node.java src\main\java\fr\uga\pddl4j\examples\asp\ASP.java
javac -d classes -cp build\libs\pddl4j-4.0.0.jar;lib* src\main\java\fr\uga\pddl4j\examples\mcts\
Node.java src\main\java\fr\uga\pddl4j\examples\mcts\MCTS.java

Vérification si cela fonctionne :
java -cp classes;build\libs\pddl4j-4.0.0.jar;lib* fr.uga.pddl4j.examples.asp.ASP --help
java -cp classes;build\libs\pddl4j-4.0.0.jar;lib* fr.uga.pddl4j.examples.mcts.MCTS –help

Exemples de Commandes pour lancer les tests :
java -cp classes;build\libs\pddl4j-4.0.0.jar fr.uga.pddl4j.examples.asp.ASP
src/test/resources/benchmarks/pddl/ipc2000/blocks/strips-typed/domain.pddl
src/test/resources/benchmarks/pddl/ipc2000/blocks/strips-typed/p001.pddl

java -cp classes;build\libs\pddl4j-4.0.0.jar fr.uga.pddl4j.examples.mcts.MCTS
src/test/resources/benchmarks/pddl/ipc2000/blocks/strips-typed/domain.pddl
src/test/resources/benchmarks/pddl/ipc2000/blocks/strips-typed/p001.pddl

Résultats :

PXXX	ASP	MCTS
ipc2000/blocks/strips-typed		

p001	0: (pick-up b) [0]
	1: (stack b a) [0]
	2: (pick-up c) [0]
	3: (stack c b) [0]
	4: (pick-up d) [0]
	5: (stack d c) [0]
	
	time spent: 0,07 seconds parsing
	    0,17 seconds encoding
	    0,02 seconds searching
	    0,26 seconds total time
	
	memory used: 0,19 MBytes for problem representation
	    0,00 MBytes for searching
	    0,19 MBytes total
		00: (pick-up d) [0]
		01: (stack d c) [0]
		02: (unstack d c) [0]
		03: (put-down d) [0]
		04: (pick-up b) [0]
		05: (stack b a) [0]
		06: (unstack b a) [0]
		07: (stack b a) [0]
		08: (pick-up c) [0]
		09: (stack c d) [0]
		10: (unstack b a) [0]
		11: (stack b a) [0]
		12: (unstack c d) [0]
		13: (stack c b) [0]
		14: (unstack c b) [0]
		15: (stack c b) [0]
		16: (pick-up d) [0]
		17: (put-down d) [0]
		18: (pick-up d) [0]
		19: (stack d c) [0]
		
		time spent: 0,08 seconds parsing
		    0,18 seconds encoding
		    0,15 seconds searching
		    0,40 seconds total time
		
		memory used: 0,19 MBytes for problem representation
		    0,00 MBytes for searching

		0,19 MBytes total

p002	00: (unstack b c) [0]
	01: (put-down b) [0]
	02: (unstack c a) [0]
	03: (put-down c) [0]
	04: (unstack a d) [0]
	05: (stack a b) [0]
	06: (pick-up c) [0]
	07: (stack c a) [0]
	08: (pick-up d) [0]
	09: (stack d c) [0]
	
	time spent: 0,07 seconds parsing
	               0,19 seconds encoding
	               0,04 seconds searching
	               0,29 seconds total time
	
	memory used: 0,18 MBytes for problem representation
	               0,00 MBytes for searching
	               0,19 MBytes total
		00: (unstack b c) [0]
		01: (stack b c) [0]
		02: (unstack b c) [0]
		03: (put-down b) [0]
		04: (unstack c a) [0]
		05: (put-down c) [0]
		06: (pick-up c) [0]
		07: (put-down c) [0]
		08: (unstack a d) [0]
		09: (stack a b) [0]
		10: (pick-up c) [0]
		11: (stack c a) [0]
		12: (pick-up d) [0]
		13: (stack d c) [0]
		
		time spent: 0,11 seconds parsing
		               0,22 seconds encoding
		               0,13 seconds searching
		               0,46 seconds total time
		
		memory used: 0,18 MBytes for problem representation
		               0,00 MBytes for searching
		               0,18 MBytes total

p0003	0: (unstack c b) [0]
	1: (stack c d) [0]
	2: (pick-up b) [0]
	3: (stack b c) [0]
	4: (pick-up a) [0]
	5: (stack a b) [0]
	
	time spent: 0,09 seconds parsing
	               0,15 seconds encoding
	               0,04 seconds searching
	               0,27 seconds total time
	
	memory used: 0,19 MBytes for problem representation
	               0,00 MBytes for searching
	               0,19 MBytes total
		00: (unstack c b) [0]
		01: (stack c a) [0]
		02: (unstack c a) [0]
		03: (stack c d) [0]
		04: (unstack c d) [0]
		05: (stack c a) [0]
		06: (unstack c a) [0]
		07: (stack c d) [0]
		08: (pick-up a) [0]
		09: (stack a b) [0]
		10: (unstack a b) [0]
		11: (put-down a) [0]
		12: (pick-up a) [0]
		13: (stack a c) [0]
		14: (unstack a c) [0]
		15: (put-down a) [0]
		16: (pick-up b) [0]
		17: (stack b c) [0]
		18: (pick-up a) [0]
		19: (stack a b) [0]
		
		time spent: 0,07 seconds parsing
		               0,22 seconds encoding
		               0,06 seconds searching
		               0,35 seconds total time
		
		memory used: 0,19 MBytes for problem representation
		               0,00 MBytes for searching
		               0,19 MBytes total

p004	00: (unstack c e) [0]
	01: (put-down c) [0]
	02: (pick-up d) [0]
	03: (stack d c) [0]
	04: (unstack e b) [0]
	05: (put-down e) [0]
	06: (unstack b a) [0]
	07: (stack b d) [0]
	08: (pick-up e) [0]
	09: (stack e b) [0]
	10: (pick-up a) [0]
	11: (stack a e) [0]
	
	time spent: 0,08 seconds parsing
	               0,20 seconds encoding
	               0,07 seconds searching
	               0,35 seconds total time
	
	memory used: 0,26 MBytes for problem representation
	               0,01 MBytes for searching
	               0,27 MBytes total
		00: (unstack d c) [0]
		01: (stack d c) [0]
		02: (unstack d c) [0]
		03: (stack d c) [0]
		04: (unstack e b) [0]
		05: (put-down e) [0]
		06: (unstack b a) [0]
		07: (stack b d) [0]
		08: (unstack b d) [0]
		09: (stack b d) [0]
		10: (pick-up e) [0]
		11: (stack e b) [0]
		12: (unstack e b) [0]
		13: (stack e a) [0]
		14: (unstack e a) [0]
		15: (stack e b) [0]
		16: (pick-up a) [0]
		17: (stack a e) [0]
		
		time spent: 0,07 seconds parsing
		               0,17 seconds encoding
		               0,14 seconds searching

		0,37 seconds total time
		
		memory used: 0,26 MBytes for problem representation
		             0,00 MBytes for searching
		             0,26 MBytes total

p005	00: (unstack b a) [0]
	01: (stack b c) [0]
	02: (unstack a d) [0]
	03: (stack a e) [0]
	04: (unstack b c) [0]
	05: (stack b a) [0]
	06: (pick-up c) [0]
	07: (stack c b) [0]
	08: (pick-up d) [0]
	09: (stack d c) [0]
	
	time spent: 0,08 seconds parsing
	             0,16 seconds encoding
	             0,07 seconds searching
	             0,31 seconds total time
	
	memory used: 0,26 MBytes for problem representation
	             0,01 MBytes for searching
	             0,27 MBytes total
		0: (unstack c d) [0]
		1: (stack c d) [0]
		2: (unstack c d) [0]
		3: (stack c b) [0]
		4: (pick-up d) [0]
		5: (stack d c) [0]
		
		time spent: 0,07 seconds parsing
		             0,16 seconds encoding
		             0,10 seconds searching
		             0,33 seconds total time
		
		memory used: 0,26 MBytes for problem representation
		             0,00 MBytes for searching
		             0,26 MBytes total

p006	00: (unstack d e) [0]
	01: (put-down d) [0]
	02: (unstack e c) [0]
	03: (put-down e) [0]
	04: (unstack c a) [0]
	05: (stack c d) [0]
	06: (unstack a b) [0]
	07: (put-down a) [0]
	08: (pick-up e) [0]
	09: (stack e a) [0]
	10: (pick-up b) [0]
	11: (stack b e) [0]
	12: (unstack c d) [0]
	13: (stack c b) [0]
	14: (pick-up d) [0]
	15: (stack d c) [0]
	
	time spent: 0,06 seconds parsing
	             0,15 seconds encoding
	             0,08 seconds searching
	             0,30 seconds total time
	
	memory used: 0,26 MBytes for problem representation
	             0,02 MBytes for searching
	             0,28 MBytes total
		00: (unstack c b) [0]
		01: (put-down c) [0]
		02: (unstack b d) [0]
		03: (stack b e) [0]
		04: (pick-up d) [0]
		05: (put-down d) [0]
		06: (pick-up c) [0]
		07: (stack c d) [0]
		08: (unstack c d) [0]
		09: (stack c b) [0]
		10: (pick-up d) [0]
		11: (stack d c) [0]
		
		time spent: 0,07 seconds parsing
		             0,15 seconds encoding
		             0,15 seconds searching
		             0,38 seconds total time
		
		memory used: 0,26 MBytes for problem representation
		             0,00 MBytes for searching
		             0,26 MBytes total

p007	00: (unstack d a) [0]
	01: (put-down d) [0]
	02: (unstack f e) [0]
	03: (stack f d) [0]
	04: (unstack e b) [0]
	05: (stack e f) [0]
	06: (unstack a c) [0]
	07: (stack a e) [0]
	08: (pick-up b) [0]
	09: (stack b a) [0]
	10: (pick-up c) [0]
	11: (stack c b) [0]
	
	time spent: 0,07 seconds parsing
	             0,20 seconds encoding
	             0,04 seconds searching
	             0,31 seconds total time
	
	memory used: 0,35 MBytes for problem representation
	             0,01 MBytes for searching
	             0,35 MBytes total
		00: (unstack b e) [0]
		01: (put-down b) [0]
		02: (unstack a c) [0]
		03: (stack a e) [0]
		04: (unstack a e) [0]
		05: (stack a e) [0]
		06: (pick-up b) [0]
		07: (stack b a) [0]
		08: (pick-up c) [0]
		09: (put-down c) [0]
		10: (pick-up c) [0]
		11: (put-down c) [0]
		12: (unstack b a) [0]
		13: (stack b a) [0]
		14: (pick-up c) [0]
		15: (stack c b) [0]
		
		time spent: 0,08 seconds parsing
		             0,24 seconds encoding
		             0,24 seconds searching
		             0,55 seconds total time
		
		memory used: 0,35 MBytes for problem representation
		             0,00 MBytes for searching

		0,35 MBytes total
p008	00: (unstack a f) [0] 01: (stack a d) [0] 02: (pick-up b) [0] 03: (stack b a) [0] 04: (pick-up c) [0] 05: (stack c b) [0] 06: (pick-up f) [0] 07: (stack f c) [0] 08: (pick-up e) [0] 09: (stack e f) [0] time spent:　　0,08 seconds parsing 　　　　0,20 seconds encoding 　　　　0,07 seconds searching 　　　　0,35 seconds total time memory used:　　0,35 MBytes for problem representation 　　　　0,01 MBytes for searching 　　　　0,36 MBytes total	00: (pick-up f) [0] 01: (stack f e) [0] 02: (unstack f e) [0] 03: (put-down f) [0] 04: (unstack e c) [0] 05: (put-down e) [0] 06: (pick-up f) [0] 07: (stack f c) [0] 08: (pick-up e) [0] 09: (stack e f) [0] time spent:　　0,07 seconds parsing 　　　　0,17 seconds encoding 　　　　0,30 seconds searching 　　　　0,54 seconds total time memory used:　　0,35 MBytes for problem representation 　　　　0,00 MBytes for searching 　　　　0,35 MBytes total
p009	00: (unstack a d) [0] 01: (put-down a) [0] 02: (unstack d b) [0] 03: (put-down d) [0] 04: (unstack b f) [0] 05: (stack b a) [0] 06: (unstack f e) [0] 07: (put-down f) [0] 08: (unstack e c) [0] 09: (put-down e) [0] 10: (pick-up c) [0] 11: (stack c d) [0] 12: (unstack b a) [0] 13: (stack b c) [0] 14: (pick-up a) [0] 15: (stack a b) [0] 16: (pick-up f) [0] 17: (stack f a) [0] 18: (pick-up e) [0] 19: (stack e f) [0] time spent:　　0,06 seconds parsing 　　　　0,17 seconds encoding 　　　　0,23 seconds searching 　　　　0,46 seconds total time memory used:　　0,35 MBytes for problem representation 　　　　0,25 MBytes for searching 　　　　0,60 MBytes total	00: (unstack f a) [0] 01: (stack f a) [0] 02: (unstack f a) [0] 03: (stack f b) [0] 04: (unstack f b) [0] 05: (stack f e) [0] 06: (pick-up a) [0] 07: (stack a f) [0] 08: (unstack a f) [0] 09: (stack a b) [0] 10: (unstack f e) [0] 11: (put-down f) [0] 12: (pick-up e) [0] 13: (put-down e) [0] 14: (pick-up f) [0] 15: (stack f a) [0] 16: (pick-up e) [0] 17: (stack e f) [0] time spent:　　0,06 seconds parsing 　　　　0,18 seconds encoding 　　　　3,86 seconds searching 　　　　4,10 seconds total time memory used:　　0,35 MBytes for problem representation 　　　　0,00 MBytes for searching 　　　　0,35 MBytes total
p010	00: (unstack e g) [0] 01: (put-down e) [0] 02: (unstack g b) [0] 03: (put-down g) [0] 04: (unstack b a) [0] 05: (stack b g) [0] 06: (unstack a f) [0] 07: (put-down a) [0] 08: (unstack f c) [0] 09: (stack f e) [0] 10: (unstack c d) [0] 11: (stack c f) [0] 12: (unstack b g) [0] 13: (stack b c) [0] 14: (pick-up d) [0] 15: (stack d b) [0] 16: (pick-up g) [0] 17: (stack g d) [0] 18: (pick-up a) [0] 19: (stack a g) [0] time spent:　　0,07 seconds parsing 　　　　0,20 seconds encoding 　　　　0,36 seconds searching 　　　　0,63 seconds total time	00: (unstack g d) [0] 01: (stack g a) [0] 02: (unstack d b) [0] 03: (put-down d) [0] 04: (unstack g a) [0] 05: (stack g a) [0] 06: (pick-up d) [0] 07: (stack d b) [0] 08: (unstack g a) [0] 09: (stack g a) [0] 10: (unstack d b) [0] 11: (stack d b) [0] 12: (unstack g a) [0] 13: (stack g d) [0] 14: (pick-up a) [0] 15: (put-down a) [0] 16: (unstack g d) [0] 17: (stack g d) [0] 18: (pick-up a) [0] 19: (stack a g) [0] time spent:　　0,07 seconds parsing 　　　　0,22 seconds encoding 　　　　0,47 seconds searching 　　　　0,76 seconds total time

	memory used: 0,45 MBytes for problem representation
	         0,19 MBytes for searching
	         0,64 MBytes total
		memory used: 0,45 MBytes for problem representation
		         0,00 MBytes for searching
		         0,45 MBytes total

ipc1998/gripper/strips		

p01	0: (move rooma roomb) [0]
	1: (pick ball1 rooma right) [0]
	2: (drop ball1 roomb right) [0]
	3: (pick ball4 rooma left) [0]
	4: (drop ball4 roomb left) [0]
	5: (pick ball3 rooma left) [0]
	6: (drop ball3 roomb left) [0]
	7: (pick ball2 rooma left) [0]
	8: (drop ball2 roomb left) [0]
	
	time spent: 0,06 seconds parsing
	         0,14 seconds encoding
	         0,22 seconds searching
	         0,42 seconds total time
	
	memory used: 0,11 MBytes for problem representation
	         0,21 MBytes for searching
	         0,33 MBytes total
		00: (pick ball1 rooma left) [0]
		01: (move rooma roomb) [0]
		02: (pick ball3 rooma left) [0]
		03: (pick ball1 rooma left) [0]
		04: (drop ball3 roomb left) [0]
		05: (pick ball2 rooma left) [0]
		06: (pick ball1 rooma left) [0]
		07: (pick ball3 roomb right) [0]
		08: (pick ball1 rooma left) [0]
		09: (drop ball1 roomb left) [0]
		10: (move roomb roomb) [0]
		11: (pick ball4 rooma right) [0]
		12: (pick ball1 rooma left) [0]
		13: (drop ball4 rooma right) [0]
		14: (drop ball3 rooma right) [0]
		15: (drop ball4 roomb right) [0]
		16: (pick ball2 rooma left) [0]
		17: (pick ball1 rooma left) [0]
		18: (drop ball2 roomb left) [0]
		
		time spent: 0,07 seconds parsing
		         0,12 seconds encoding
		         0,11 seconds searching
		         0,29 seconds total time
		
		memory used: 0,11 MBytes for problem representation
		         0,00 MBytes for searching
		         0,11 MBytes total

p02	00: (move rooma roomb) [0]
	01: (pick ball5 rooma right) [0]
	02: (drop ball5 roomb right) [0]
	03: (pick ball2 rooma left) [0]
	04: (drop ball2 roomb left) [0]
	05: (pick ball6 rooma right) [0]
	06: (drop ball6 roomb right) [0]
	07: (pick ball4 rooma left) [0]
	08: (drop ball4 roomb left) [0]
	09: (pick ball3 rooma right) [0]
	10: (drop ball3 roomb right) [0]
	11: (pick ball1 rooma left) [0]
	12: (drop ball1 roomb left) [0]
	
	time spent: 0,08 seconds parsing
	         0,14 seconds encoding
	         1,80 seconds searching
	         2,02 seconds total time
	
	memory used: 0,15 MBytes for problem representation
	         7,09 MBytes for searching
	         7,23 MBytes total
		00: (drop ball1 rooma right) [0]
		01: (pick ball6 roomb left) [0]
		02: (pick ball5 roomb right) [0]
		03: (pick ball5 roomb left) [0]
		04: (pick ball2 rooma right) [0]
		05: (pick ball3 roomb left) [0]
		06: (pick ball6 rooma left) [0]
		07: (drop ball6 rooma left) [0]
		08: (pick ball6 roomb left) [0]
		09: (drop ball3 roomb right) [0]
		10: (drop ball3 roomb right) [0]
		11: (pick ball4 rooma right) [0]
		12: (pick ball5 rooma left) [0]
		13: (drop ball4 roomb left) [0]
		14: (drop ball5 roomb left) [0]
		15: (pick ball3 rooma right) [0]
		16: (drop ball5 rooma left) [0]
		17: (drop ball2 roomb right) [0]
		
		time spent: 0,06 seconds parsing
		         0,14 seconds encoding
		         0,13 seconds searching
		         0,33 seconds total time
		
		memory used: 0,15 MBytes for problem representation
		         0,00 MBytes for searching
		         0,15 MBytes total

p03	00: (move rooma roomb) [0] 01: (pick ball4 rooma right) [0] 02: (drop ball4 roomb right) [0] 03: (pick ball2 rooma right) [0] 04: (drop ball2 roomb right) [0] 05: (pick ball5 rooma left) [0] 06: (drop ball5 roomb left) [0] 07: (pick ball6 rooma right) [0] 08: (drop ball6 roomb right) [0] 09: (pick ball8 rooma right) [0] 10: (drop ball8 roomb right) [0] 11: (pick ball3 rooma right) [0]	00: (pick ball3 roomb right) [0] 01: (drop ball8 roomb left) [0] 02: (drop ball1 roomb left) [0] 03: (drop ball2 rooma right) [0] 04: (pick ball3 roomb left) [0] 05: (drop ball8 roomb left) [0] 06: (pick ball2 rooma right) [0] 07: (drop ball3 rooma right) [0] 08: (pick ball3 rooma right) [0] 09: (drop ball8 roomb right) [0] 10: (drop ball3 roomb right) [0] 11: (drop ball6 roomb right) [0]

	12: (drop ball3 roomb right) [0]
	13: (pick ball7 rooma right) [0]
	14: (drop ball7 roomb right) [0]
	15: (pick ball1 rooma right) [0]
	16: (drop ball1 roomb right) [0]
	
	time spent: 0,09 seconds parsing
	      0,18 seconds encoding
	      50,05 seconds searching
	      50,31 seconds total time
	
	memory used: 0,18 MBytes for problem representation
	      291,20 MBytes for searching
	      291,38 MBytes total
		time spent: 0,07 seconds parsing
		      0,13 seconds encoding
		      0,21 seconds searching
		      0,40 seconds total time
		
		memory used: 0,18 MBytes for problem representation
		      0,00 MBytes for searching
		      0,18 MBytes total

p04	java.lang.OutOfMemoryError: Java heap space: failed reallocation of scalar replaced objects	0: (drop ball8 rooma left) [0]
		1: (drop ball10 roomb right) [0]
		2: (drop ball2 rooma right) [0]
		3: (pick ball6 roomb left) [0]
		4: (drop ball4 rooma left) [0]
		5: (pick ball8 rooma right) [0]
		6: (drop ball1 roomb right) [0]
		
		time spent: 0,08 seconds parsing
		      0,15 seconds encoding
		      0,92 seconds searching
		      1,15 seconds total time
		
		memory used: 0,21 MBytes for problem representation
		      0,00 MBytes for searching
		      0,21 MBytes total

p05	java.lang.OutOfMemoryError: Java heap space	00: (pick ball10 roomb right) [0]
		01: (drop ball11 roomb right) [0]
		02: (drop ball8 roomb left) [0]
		03: (pick ball12 roomb right) [0]
		04: (drop ball11 rooma left) [0]
		05: (pick ball6 roomb left) [0]
		06: (pick ball7 rooma right) [0]
		07: (drop ball9 roomb right) [0]
		08: (drop ball5 roomb left) [0]
		09: (pick ball11 roomb left) [0]
		10: (pick ball1 rooma right) [0]
		11: (drop ball9 roomb left) [0]
		12: (pick ball11 rooma left) [0]
		13: (pick ball3 roomb right) [0]
		14: (pick ball2 rooma left) [0]
		15: (drop ball2 roomb left) [0]
		
		time spent: 0,10 seconds parsing
		      0,30 seconds encoding
		      2,17 seconds searching
		      2,57 seconds total time
		
		memory used: 0,25 MBytes for problem representation
		      0,00 MBytes for searching
		      0,25 MBytes total

p06	java.lang.OutOfMemoryError: Java heap space	00: (drop ball10 roomb left) [0]
		01: (drop ball13 roomb right) [0]
		02: (pick ball3 roomb left) [0]
		03: (pick ball9 rooma right) [0]
		04: (pick ball7 roomb right) [0]
		05: (drop ball2 rooma right) [0]
		06: (pick ball3 roomb left) [0]
		07: (drop ball2 rooma left) [0]
		08: (drop ball10 roomb right) [0]
		09: (drop ball4 roomb left) [0]
		10: (pick ball3 roomb left) [0]
		11: (drop ball8 rooma left) [0]
		12: (drop ball7 rooma right) [0]
		13: (pick ball12 roomb right) [0]
		14: (drop ball9 roomb right) [0]
		
		time spent: 0,09 seconds parsing
		      0,22 seconds encoding
		      2,99 seconds searching

			3,30 seconds total time
			
			memory used: 0,28 MBytes for problem representation
			            0,00 MBytes for searching
			            0,28 MBytes total

p07	java.lang.OutOfMemoryError		00: (drop ball6 rooma left) [0]
			01: (drop ball4 rooma left) [0]
			02: (pick ball10 roomb left) [0]
			03: (pick ball3 rooma left) [0]
			04: (pick ball16 roomb right) [0]
			05: (drop ball2 rooma right) [0]
			06: (pick ball14 rooma right) [0]
			07: (pick ball15 roomb left) [0]
			08: (pick ball6 roomb left) [0]
			09: (drop ball9 roomb left) [0]
			10: (move rooma rooma) [0]
			11: (drop ball6 roomb left) [0]
			12: (drop ball3 roomb left) [0]
			
			time spent: 0,08 seconds parsing
			            0,22 seconds encoding
			            2,51 seconds searching
			            2,81 seconds total time
			
			memory used: 0,32 MBytes for problem representation
			            0,00 MBytes for searching
			            0,32 MBytes total

p08	java.lang.OutOfMemoryError		00: (drop ball11 roomb right) [0]
			01: (drop ball9 roomb right) [0]
			02: (pick ball11 roomb left) [0]
			03: (pick ball10 rooma right) [0]
			04: (drop ball18 rooma right) [0]
			05: (pick ball7 rooma right) [0]
			06: (drop ball13 roomb right) [0]
			07: (drop ball5 rooma right) [0]
			08: (drop ball5 roomb left) [0]
			09: (move rooma rooma) [0]
			10: (pick ball14 roomb right) [0]
			11: (drop ball9 rooma right) [0]
			12: (drop ball1 roomb right) [0]
			13: (pick ball1 roomb left) [0]
			14: (drop ball15 roomb left) [0]
			15: (pick ball2 roomb left) [0]
			16: (pick ball13 roomb right) [0]
			17: (pick ball10 rooma left) [0]
			18: (drop ball14 rooma left) [0]
			19: (drop ball7 roomb right) [0]
			
			time spent: 0,12 seconds parsing
			            0,33 seconds encoding
			            2,98 seconds searching
			            3,43 seconds total time
			
			memory used: 0,35 MBytes for problem representation
			            0,00 MBytes for searching
			            0,35 MBytes total

p09	java.lang.OutOfMemoryError		00: (pick ball9 rooma right) [0]
			01: (drop ball11 rooma left) [0]
			02: (pick ball14 roomb left) [0]
			03: (pick ball12 roomb left) [0]
			04: (pick ball18 rooma left) [0]
			05: (drop ball11 roomb right) [0]
			06: (drop ball6 rooma left) [0]
			07: (pick ball6 roomb right) [0]
			08: (pick ball15 rooma right) [0]
			09: (pick ball12 rooma left) [0]
			10: (drop ball18 roomb left) [0]
			
			time spent: 0,06 seconds parsing
			            0,21 seconds encoding
			            3,14 seconds searching
			            3,41 seconds total time
			
			memory used: 0,39 MBytes for problem

		representation
		    0,00 MBytes for searching
		    0,39 MBytes total

p10	java.lang.OutOfMemoryError	00: (drop ball7 rooma right) [0]
		01: (pick ball4 rooma right) [0]
		02: (drop ball2 rooma right) [0]
		03: (drop ball18 rooma right) [0]
		04: (pick ball5 rooma right) [0]
		05: (pick ball6 roomb right) [0]
		06: (pick ball22 roomb left) [0]
		07: (drop ball21 roomb left) [0]
		08: (pick ball18 roomb right) [0]
		09: (pick ball12 roomb right) [0]
		10: (pick ball1 roomb left) [0]
		11: (pick ball14 roomb left) [0]
		12: (drop ball5 roomb right) [0]
		
		time spent: 0,08 seconds parsing
		    0,21 seconds encoding
		    4,18 seconds searching
		    4,46 seconds total time
		
		memory used: 0,42 MBytes for problem representation
		    0,00 MBytes for searching
		    0,42 MBytes total

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p01	00: (lift hoist0 crate1 pallet0 depot0) [0]
	01: (lift hoist1 crate0 pallet1 distributor0) [0]
	02: (load hoist0 crate1 truck1 depot0) [0]
	03: (drive truck1 depot0 distributor0) [0]
	04: (load hoist1 crate0 truck1 distributor0) [0]
	05: (unload hoist1 crate1 truck1 distributor0) [0]
	06: (drive truck1 distributor0 distributor1) [0]
	07: (drop hoist1 crate1 pallet1 distributor0) [0]
	08: (unload hoist2 crate0 truck1 distributor1) [0]
	09: (drop hoist2 crate0 pallet2 distributor1) [0]
	
	time spent: 0,13 seconds parsing
	    0,23 seconds encoding
	    0,06 seconds searching
	    0,41 seconds total time
	
	memory used: 0,41 MBytes for problem representation
	    0,01 MBytes for searching
	    0,42 MBytes total
		00: (drive truck0 distributor1 depot0) [0]
		01: (drive truck0 depot0 depot0) [0]
		02: (unload hoist0 crate0 truck0 depot0) [0]
		03: (drive truck0 depot0 distributor0) [0]
		04: (drive truck0 distributor0 distributor1) [0]
		05: (load hoist0 crate0 truck1 depot0) [0]
		06: (drive truck1 depot0 distributor1) [0]
		07: (drive truck0 distributor1 distributor0) [0]
		08: (drive truck0 distributor0 distributor1) [0]
		09: (unload hoist2 crate0 truck1 distributor1) [0]
		10: (drive truck1 distributor1 depot0) [0]
		11: (lift hoist1 crate1 pallet1 distributor0) [0]
		12: (drive truck1 depot0 depot0) [0]
		13: (drop hoist2 crate0 pallet2 distributor1) [0]
		14: (drive truck1 distributor0 distributor0) [0]
		15: (drive truck0 distributor1 distributor1) [0]
		16: (drive truck0 distributor1 depot0) [0]
		17: (drop hoist1 crate1 pallet1 distributor0) [0]
		
		time spent: 0,08 seconds parsing
		    0,22 seconds encoding
		    0,38 seconds searching
		    0,68 seconds total time
		
		memory used: 0,41 MBytes for problem representation
		    0,00 MBytes for searching
		    0,41 MBytes total

p02	00: (lift hoist0 crate0 pallet0 depot0) [0]
	01: (load hoist0 crate0 truck0 depot0) [0]
	02: (lift hoist2 crate2 crate1 distributor1) [0]
	03: (drive truck0 depot0 distributor1) [0]
	04: (load hoist2 crate2 truck0 distributor1) [0]
	05: (lift hoist2 crate1 pallet2 distributor1) [0]
	06: (load hoist2 crate1 truck0 distributor1) [0]
	07: (unload hoist2 crate0 truck0 distributor1) [0]
	08: (drive truck0 distributor1 depot0) [0]
	09: (unload hoist0 crate2 truck0 depot0) [0]
	10: (drive truck0 depot0 distributor0) [0]
	11: (drop hoist0 crate2 pallet0 depot0) [0]
	12: (unload hoist1 crate1 truck0 distributor0) [0]
	13: (drop hoist1 crate1 crate3 distributor0) [0]
	14: (drop hoist2 crate0 pallet2 distributor1) [0]
	
	time spent: 0,11 seconds parsing
	    0,40 seconds encoding
	    0,19 seconds searching
	    0,69 seconds total time
		00: (drive truck1 distributor1 depot0) [0]
		01: (drive truck1 depot0 distributor1) [0]
		02: (drive truck1 distributor1 depot0) [0]
		03: (drop hoist0 crate2 pallet0 depot0) [0]
		04: (lift hoist1 crate3 pallet1 distributor0) [0]
		05: (drive truck1 depot0 distributor0) [0]
		06: (lift hoist0 crate2 pallet0 depot0) [0]
		07: (drop hoist1 crate3 pallet1 distributor0) [0]
		08: (unload hoist1 crate1 truck1 distributor0) [0]
		09: (drive truck1 distributor0 depot0) [0]
		10: (drive truck0 depot0 depot0) [0]
		11: (load hoist0 crate2 truck0 depot0) [0]
		12: (drop hoist1 crate1 crate3 distributor0) [0]
		13: (unload hoist0 crate2 truck0 depot0) [0]
		14: (drop hoist0 crate2 pallet0 depot0) [0]
		15: (drive truck0 depot0 distributor0) [0]
		16: (drive truck1 depot0 distributor1) [0]
		17: (drive truck0 distributor0 depot0) [0]
		18: (unload hoist2 crate0 truck1 distributor1) [0]
		19: (drop hoist2 crate0 pallet2 distributor1) [0]

	memory used: 0,90 MBytes for problem representation
	                0,05 MBytes for searching
	                0,95 MBytes total
		time spent: 0,09 seconds parsing
		                0,27 seconds encoding
		                1,30 seconds searching
		                1,65 seconds total time
		
		memory used: 0,90 MBytes for problem representation
		                0,00 MBytes for searching
		                0,90 MBytes total

p03	00: (lift hoist0 crate1 pallet0 depot0) [0]
	01: (load hoist0 crate1 truck0 depot0) [0]
	02: (lift hoist2 crate5 crate2 distributor1) [0]
	03: (drive truck0 depot0 distributor1) [0]
	04: (load hoist2 crate5 truck0 distributor1) [0]
	05: (lift hoist1 crate4 crate3 distributor0) [0]
	06: (lift hoist2 crate2 pallet2 distributor1) [0]
	07: (load hoist2 crate2 truck0 distributor1) [0]
	08: (load hoist1 crate4 truck1 distributor0) [0]
	09: (unload hoist2 crate1 truck0 distributor1) [0]
	10: (drop hoist2 crate1 pallet2 distributor1) [0]
	11: (drive truck0 distributor1 distributor0) [0]
	12: (lift hoist1 crate3 crate0 distributor0) [0]
	13: (load hoist1 crate3 truck0 distributor0) [0]
	14: (drive truck0 distributor0 depot0) [0]
	15: (unload hoist0 crate2 truck0 depot0) [0]
	16: (lift hoist1 crate0 pallet1 distributor0) [0]
	17: (load hoist1 crate0 truck1 distributor0) [0]
	18: (unload hoist1 crate4 truck1 distributor0) [0]
	19: (drive truck1 distributor0 distributor1) [0]
	20: (drop hoist0 crate2 pallet0 depot0) [0]
	21: (unload hoist2 crate0 truck1 distributor1) [0]
	22: (drop hoist1 crate4 pallet1 distributor0) [0]
	23: (drop hoist2 crate0 crate1 distributor1) [0]
	24: (unload hoist0 crate3 truck0 depot0) [0]
	25: (drive truck0 depot0 distributor1) [0]
	26: (drop hoist0 crate3 crate2 depot0) [0]
	27: (unload hoist2 crate5 truck0 distributor1) [0]
	28: (drop hoist2 crate5 crate0 distributor1) [0]
	
	time spent: 0,08 seconds parsing
	                0,35 seconds encoding
	                3,71 seconds searching
	                4,15 seconds total time
	
	memory used: 1,59 MBytes for problem representation
	                2,98 MBytes for searching
	                4,57 MBytes total
		00: (drop hoist2 crate0 crate1 distributor1) [0]
		01: (unload hoist1 crate4 truck0 distributor0) [0]
		02: (drive truck0 distributor0 distributor1) [0]
		03: (drive truck1 distributor1 distributor0) [0]
		04: (drive truck1 distributor0 distributor0) [0]
		05: (drive truck0 distributor1 distributor1) [0]
		06: (load hoist1 crate4 truck1 distributor0) [0]
		07: (unload hoist1 crate4 truck1 distributor0) [0]
		08: (drop hoist0 crate3 crate2 depot0) [0]
		09: (drive truck1 distributor0 distributor1) [0]
		10: (unload hoist2 crate5 truck1 distributor1) [0]
		11: (drive truck1 distributor1 distributor0) [0]
		12: (drop hoist1 crate4 pallet1 distributor0) [0]
		13: (drop hoist2 crate5 crate0 distributor1) [0]
		
		time spent: 0,08 seconds parsing
		                0,36 seconds encoding
		                2,87 seconds searching
		                3,31 seconds total time
		
		memory used: 1,59 MBytes for problem representation
		                0,00 MBytes for searching
		                1,59 MBytes total

p04	00: (lift hoist2 crate6 crate5 distributor1) [0]
	01: (load hoist2 crate6 truck1 distributor1) [0]
	02: (drive truck1 distributor1 distributor0) [0]
	03: (lift hoist1 crate2 pallet1 distributor0) [0]
	04: (load hoist1 crate2 truck1 distributor0) [0]
	05: (unload hoist1 crate6 truck1 distributor0) [0]
	06: (drop hoist1 crate6 pallet1 distributor0) [0]
	07: (unload hoist1 crate2 truck1 distributor0) [0]
	08: (drop hoist1 crate2 crate6 distributor0) [0]
	09: (drive truck1 distributor0 depot0) [0]
	10: (lift hoist0 crate7 crate4 depot0) [0]
	11: (load hoist0 crate7 truck1 depot0) [0]
	12: (lift hoist0 crate4 crate1 depot0) [0]
	13: (load hoist0 crate4 truck1 depot0) [0]
	14: (lift hoist0 crate1 crate0 depot0) [0]
	15: (load hoist0 crate1 truck1 depot0) [0]
	16: (lift hoist0 crate0 pallet0 depot0) [0]
	17: (load hoist0 crate0 truck1 depot0) [0]
	18: (unload hoist0 crate7 truck1 depot0) [0]
	19: (drop hoist0 crate7 pallet0 depot0) [0]
	20: (lift hoist2 crate5 crate3 distributor1) [0]
	21: (load hoist2 crate5 truck0 distributor1) [0]
	22: (lift hoist2 crate3 pallet2 distributor1) [0]
	23: (load hoist2 crate3 truck0 distributor1) [0]
	24: (unload hoist0 crate4 truck1 depot0) [0]
	25: (drop hoist0 crate4 crate7 depot0) [0]
	26: (unload hoist0 crate0 truck1 depot0) [0]
	27: (drop hoist0 crate0 crate4 depot0) [0]
		00: (drive truck1 depot0 depot0) [0]
		01: (unload hoist0 crate1 truck1 depot0) [0]
		02: (load hoist0 crate1 truck1 depot0) [0]
		03: (lift hoist1 crate2 crate6 distributor0) [0]
		04: (unload hoist2 crate3 truck0 distributor1) [0]
		05: (unload hoist0 crate4 truck1 depot0) [0]
		06: (drop hoist1 crate2 crate6 distributor0) [0]
		07: (drive truck0 distributor1 distributor1) [0]
		08: (drop hoist0 crate4 crate7 depot0) [0]
		09: (lift hoist0 crate4 crate7 depot0) [0]
		10: (load hoist2 crate3 truck0 distributor1) [0]
		11: (drop hoist0 crate4 crate7 depot0) [0]
		12: (unload hoist0 crate0 truck1 depot0) [0]
		13: (drop hoist0 crate0 crate4 depot0) [0]
		
		time spent: 0,09 seconds parsing
		                0,45 seconds encoding
		                9,75 seconds searching
		                10,29 seconds total time
		
		memory used: 2,49 MBytes for problem representation
		                0,00 MBytes for searching
		                2,49 MBytes total

	28: (unload hoist2 crate5 truck0 distributor1) [0]
	29: (drop hoist2 crate5 pallet2 distributor1) [0]
	
	time spent: 0,09 seconds parsing
	    0,50 seconds encoding
	    11,12 seconds searching
	    11,70 seconds total time
	
	memory used: 2,49 MBytes for problem representation
	    17,72 MBytes for searching
	    20,21 MBytes total	

p05	00: (lift hoist0 crate4 crate3 depot0) [0]
	01: (load hoist0 crate4 truck0 depot0) [0]
	02: (lift hoist0 crate3 crate1 depot0) [0]
	03: (load hoist0 crate3 truck0 depot0) [0]
	04: (lift hoist0 crate1 pallet0 depot0) [0]
	05: (load hoist0 crate1 truck0 depot0) [0]
	06: (drive truck0 depot0 distributor0) [0]
	07: (lift hoist1 crate8 crate7 distributor0) [0]
	08: (load hoist1 crate8 truck0 distributor0) [0]
	09: (lift hoist1 crate7 crate6 distributor0) [0]
	10: (load hoist1 crate7 truck0 distributor0) [0]
	11: (lift hoist1 crate6 pallet1 distributor0) [0]
	12: (load hoist1 crate6 truck0 distributor0) [0]
	13: (unload hoist1 crate1 truck0 distributor0) [0]
	14: (drop hoist1 crate1 pallet1 distributor0) [0]
	15: (unload hoist1 crate7 truck0 distributor0) [0]
	16: (drive truck0 distributor0 distributor1) [0]
	17: (lift hoist2 crate9 crate5 distributor1) [0]
	18: (load hoist2 crate9 truck0 distributor1) [0]
	19: (lift hoist2 crate5 crate2 distributor1) [0]
	20: (load hoist2 crate5 truck0 distributor1) [0]
	21: (lift hoist2 crate2 crate0 distributor1) [0]
	22: (load hoist2 crate2 truck0 distributor1) [0]
	23: (lift hoist2 crate0 pallet2 distributor1) [0]
	24: (load hoist2 crate0 truck0 distributor1) [0]
	25: (unload hoist2 crate3 truck0 distributor1) [0]
	26: (drive truck0 distributor1 depot0) [0]
	27: (drop hoist2 crate3 pallet2 distributor1) [0]
	28: (unload hoist0 crate9 truck0 depot0) [0]
	29: (drop hoist0 crate9 pallet0 depot0) [0]
	30: (unload hoist0 crate6 truck0 depot0) [0]
	31: (drop hoist0 crate6 crate9 depot0) [0]
	32: (drop hoist1 crate7 crate1 distributor0) [0]
	33: (unload hoist0 crate4 truck0 depot0) [0]
	34: (drop hoist0 crate4 crate6 depot0) [0]
	35: (unload hoist0 crate5 truck0 depot0) [0]
	36: (drop hoist0 crate5 crate4 depot0) [0]
	37: (unload hoist0 crate0 truck0 depot0) [0]
	38: (drop hoist0 crate0 crate5 depot0) [0]
	39: (unload hoist0 crate2 truck0 depot0) [0]
	40: (drive truck0 depot0 distributor1) [0]
	41: (drop hoist0 crate2 crate0 depot0) [0]
	42: (unload hoist2 crate8 truck0 distributor1) [0]
	43: (drop hoist2 crate8 crate3 distributor1) [0]
	
	time spent: 0,08 seconds parsing
	    0,52 seconds encoding
	    272,73 seconds searching
	    273,33 seconds total time
	
	memory used: 3,61 MBytes for problem representation
	    293,38 MBytes for searching
	    296,99 MBytes total
		00: (load hoist2 crate3 truck1 distributor1) [0]
		01: (lift hoist2 crate5 crate2 distributor1) [0]
		02: (drive truck1 distributor1 distributor1) [0]
		03: (drive truck0 distributor1 distributor0) [0]
		04: (lift hoist1 crate7 crate1 distributor0) [0]
		05: (drive truck0 distributor0 distributor0) [0]
		06: (load hoist2 crate5 truck1 distributor1) [0]
		07: (unload hoist2 crate3 truck1 distributor1) [0]
		08: (drop hoist2 crate3 crate2 distributor1) [0]
		09: (drive truck0 distributor0 distributor1) [0]
		10: (lift hoist0 crate4 crate6 depot0) [0]
		11: (unload hoist2 crate8 truck0 distributor1) [0]
		12: (drop hoist2 crate8 crate3 distributor1) [0]
		13: (drive truck1 distributor1 distributor1) [0]
		14: (drive truck1 distributor1 depot0) [0]
		15: (drop hoist0 crate4 crate6 depot0) [0]
		16: (drop hoist1 crate7 crate1 distributor0) [0]
		17: (drive truck1 depot0 distributor1) [0]
		18: (drive truck1 distributor1 distributor0) [0]
		19: (drive truck1 distributor0 distributor1) [0]
		
		time spent: 0,09 seconds parsing
		    0,60 seconds encoding
		    600,46 seconds searching
		    601,15 seconds total time
		
		memory used: 3,61 MBytes for problem representation
		    0,00 MBytes for searching
		    3,61 MBytes total

p06	no plan found
	
	time spent: 0,10 seconds parsing
	    0,86 seconds encoding
	    0,00 seconds searching
	    0,96 seconds total time
	
	memory used: 7,33 MBytes for problem representation
	    0,00 MBytes for searching
		00: (drive truck0 distributor1 depot0) [0]
		01: (unload hoist0 crate6 truck0 depot0) [0]
		02: (load hoist0 crate6 truck0 depot0) [0]
		03: (drive truck1 distributor0 distributor1) [0]
		04: (drive truck0 depot0 distributor1) [0]
		05: (drop hoist1 crate0 crate11 distributor0) [0]
		06: (load hoist2 crate14 truck1 distributor1) [0]
		07: (drive truck0 distributor1 distributor1) [0]
		08: (unload hoist2 crate2 truck1 distributor1) [0]
		09: (load hoist2 crate2 truck0 distributor1) [0]
		10: (drive truck0 distributor1 distributor0) [0]

	7,33 MBytes total	11: (drive truck1 distributor1 depot0) [0]
		12: (drive truck0 distributor0 depot0) [0]
		13: (unload hoist0 crate13 truck1 depot0) [0]
		14: (lift hoist1 crate0 crate11 distributor0) [0]
		15: (load hoist0 crate13 truck1 depot0) [0]
		16: (drop hoist1 crate0 crate11 distributor0) [0]
		17: (drive truck1 depot0 distributor1) [0]
		18: (drive truck1 distributor1 distributor0) [0]
		19: (lift hoist1 crate0 crate11 distributor0) [0]
		
		time spent: 0,09 seconds parsing
		          0,87 seconds encoding
		          600,84 seconds searching
		          601,80 seconds total time
		
		memory used: 7,33 MBytes for problem representation
		          0,00 MBytes for searching
		          7,33 MBytes total

p07	00: (lift hoist2 crate3 crate2 distributor1) [0]
	01: (load hoist2 crate3 truck0 distributor1) [0]
	02: (drive truck0 distributor1 distributor0) [0]
	03: (lift hoist1 crate4 crate0 distributor0) [0]
	04: (load hoist1 crate4 truck0 distributor0) [0]
	05: (unload hoist1 crate3 truck0 distributor0) [0]
	06: (drop hoist1 crate3 pallet1 distributor0) [0]
	07: (lift hoist0 crate5 pallet0 depot0) [0]
	08: (load hoist0 crate5 truck1 depot0) [0]
	09: (lift hoist2 crate1 pallet5 distributor1) [0]
	10: (drop hoist2 crate1 crate2 distributor1) [0]
	11: (drive truck0 distributor0 distributor1) [0]
	12: (lift hoist1 crate0 pallet4 distributor0) [0]
	13: (unload hoist2 crate4 truck0 distributor1) [0]
	14: (drop hoist2 crate4 pallet5 distributor1) [0]
	15: (lift hoist2 crate1 crate2 distributor1) [0]
	16: (drop hoist2 crate1 crate4 distributor1) [0]
	17: (drive truck1 depot0 distributor1) [0]
	18: (drop hoist1 crate0 pallet3 distributor0) [0]
	19: (unload hoist2 crate5 truck1 distributor1) [0]
	20: (drop hoist2 crate5 crate1 distributor1) [0]
	
	time spent: 0,37 seconds parsing
	          0,78 seconds encoding
	          1,13 seconds searching
	          2,28 seconds total time
	
	memory used: 1,91 MBytes for problem representation
	          0,94 MBytes for searching
	          2,86 MBytes total
		00: (drive truck1 depot0 distributor0) [0]
		01: (lift hoist1 crate3 pallet1 distributor0) [0]
		02: (drive truck1 distributor0 distributor1) [0]
		03: (drop hoist1 crate3 pallet1 distributor0) [0]
		04: (drive truck1 distributor1 distributor1) [0]
		05: (drive truck0 distributor1 distributor0) [0]
		06: (unload hoist2 crate5 truck1 distributor1) [0]
		07: (drive truck0 distributor0 distributor1) [0]
		08: (drive truck1 distributor1 distributor0) [0]
		09: (drive truck1 distributor0 distributor1) [0]
		10: (drive truck1 distributor1 distributor0) [0]
		11: (drop hoist2 crate5 crate1 distributor1) [0]
		
		time spent: 0,11 seconds parsing
		          0,45 seconds encoding
		          2,63 seconds searching
		          3,18 seconds total time
		
		memory used: 1,91 MBytes for problem representation
		          0,00 MBytes for searching
		          1,91 MBytes total

p08	00: (lift hoist2 crate7 crate4 distributor1) [0]
	01: (lift hoist1 crate0 pallet4 distributor0) [0]
	02: (load hoist1 crate0 truck0 distributor0) [0]
	03: (drive truck0 distributor0 distributor1) [0]
	04: (load hoist2 crate7 truck0 distributor1) [0]
	05: (lift hoist1 crate8 crate3 distributor0) [0]
	06: (drop hoist1 crate8 pallet4 distributor0) [0]
	07: (lift hoist2 crate4 pallet3 distributor1) [0]
	08: (load hoist2 crate4 truck0 distributor1) [0]
	09: (lift hoist1 crate3 pallet5 distributor0) [0]
	10: (drop hoist1 crate3 crate8 distributor0) [0]
	11: (lift hoist1 crate6 crate5 distributor0) [0]
	12: (load hoist1 crate6 truck1 distributor0) [0]
	13: (lift hoist1 crate5 crate1 distributor0) [0]
	14: (drop hoist1 crate5 pallet5 distributor0) [0]
	15: (lift hoist1 crate1 pallet1 distributor0) [0]
	16: (load hoist1 crate1 truck1 distributor0) [0]
	17: (drive truck1 distributor0 distributor1) [0]
	18: (unload hoist2 crate0 truck0 distributor1) [0]
	19: (drop hoist2 crate0 pallet3 distributor1) [0]
	20: (lift hoist2 crate9 pallet2 distributor1) [0]
	21: (load hoist2 crate9 truck0 distributor1) [0]
	22: (drive truck0 distributor1 distributor0) [0]
	23: (unload hoist1 crate7 truck0 distributor0) [0]
	24: (drive truck0 distributor0 depot0) [0]
	25: (drop hoist1 crate7 pallet1 distributor0) [0]
	26: (unload hoist2 crate1 truck1 distributor1) [0]
		00: (drop hoist2 crate1 pallet2 distributor1) [0]
		01: (lift hoist2 crate1 pallet2 distributor1) [0]
		02: (drive truck1 distributor1 depot0) [0]
		03: (unload hoist0 crate2 truck0 depot0) [0]
		04: (drop hoist2 crate1 crate0 distributor1) [0]
		05: (lift hoist1 crate5 pallet5 distributor0) [0]
		06: (drop hoist0 crate2 crate9 depot0) [0]
		07: (drive truck1 depot0 depot0) [0]
		08: (unload hoist0 crate4 truck0 depot0) [0]
		09: (drive truck0 depot0 distributor0) [0]
		10: (drive truck0 distributor0 distributor0) [0]
		11: (load hoist1 crate5 truck0 distributor0) [0]
		12: (unload hoist1 crate5 truck0 distributor0) [0]
		13: (drive truck0 distributor0 distributor1) [0]
		14: (load hoist0 crate4 truck1 depot0) [0]
		15: (drop hoist1 crate5 crate7 distributor0) [0]
		16: (unload hoist2 crate6 truck0 distributor1) [0]
		17: (drive truck0 distributor1 depot0) [0]
		18: (drop hoist2 crate6 pallet2 distributor1) [0]
		
		time spent: 0,08 seconds parsing
		          0,67 seconds encoding
		          12,34 seconds searching
		          13,09 seconds total time
		
		memory used: 4,14 MBytes for problem representation

	27: (drop hoist2 crate1 crate0 distributor1) [0]
	28: (unload hoist2 crate6 truck1 distributor1) [0]
	29: (drop hoist2 crate6 pallet2 distributor1) [0]
	30: (lift hoist0 crate2 pallet0 depot0) [0]
	31: (load hoist0 crate2 truck0 depot0) [0]
	32: (unload hoist0 crate9 truck0 depot0) [0]
	33: (drop hoist0 crate9 pallet0 depot0) [0]
	
	time spent: 0,09 seconds parsing
	            0,92 seconds encoding
	            213,53 seconds searching
	            214,54 seconds total time
	
	memory used: 4,14 MBytes for problem representation
	            230,92 MBytes for searching
	            235,07 MBytes total
		0,00 MBytes for searching
		4,14 MBytes total

p09	no plan found
	
	time spent: 0,10 seconds parsing
	            1,30 seconds encoding
	            0,00 seconds searching
	            1,40 seconds total time
	
	memory used: 8,17 MBytes for problem representation
	            0,00 MBytes for searching
	            8,17 MBytes total
		00: (lift hoist1 crate11 pallet1 distributor0) [0]
		01: (drop hoist1 crate11 crate7 distributor0) [0]
		02: (drive truck1 distributor1 distributor1) [0]
		03: (drive truck0 distributor1 depot0) [0]
		04: (lift hoist2 crate8 crate9 distributor1) [0]
		05: (drive truck0 depot0 distributor1) [0]
		06: (lift hoist0 crate13 crate3 depot0) [0]
		07: (lift hoist1 crate11 crate7 distributor0) [0]
		08: (drop hoist0 crate13 crate3 depot0) [0]
		09: (lift hoist0 crate13 crate3 depot0) [0]
		10: (drive truck1 distributor1 depot0) [0]
		11: (drop hoist2 crate8 crate9 distributor1) [0]
		12: (load hoist0 crate13 truck1 depot0) [0]
		13: (lift hoist2 crate8 crate9 distributor1) [0]
		14: (drop hoist1 crate11 pallet1 distributor0) [0]
		15: (lift hoist0 crate3 crate0 depot0) [0]
		16: (drop hoist0 crate3 pallet0 depot0) [0]
		17: (unload hoist0 crate13 truck1 depot0) [0]
		18: (drive truck1 depot0 distributor0) [0]
		19: (drop hoist0 crate13 crate3 depot0) [0]
		
		time spent: 0,10 seconds parsing
		            1,02 seconds encoding
		            125,39 seconds searching
		            126,51 seconds total time
		
		memory used: 8,17 MBytes for problem representation
		            0,00 MBytes for searching
		            8,17 MBytes total

p10	00: (lift hoist1 crate0 pallet1 depot1) [0]
	01: (lift hoist5 crate3 crate2 distributor2) [0]
	02: (load hoist1 crate0 truck0 depot1) [0]
	03: (drive truck0 depot1 distributor2) [0]
	04: (load hoist5 crate3 truck0 distributor2) [0]
	05: (lift hoist5 crate2 pallet5 distributor2) [0]
	06: (load hoist5 crate2 truck0 distributor2) [0]
	07: (drive truck0 distributor2 depot0) [0]
	08: (lift hoist2 crate4 pallet2 depot2) [0]
	09: (load hoist2 crate4 truck1 depot2) [0]
	10: (drive truck1 depot2 distributor2) [0]
	11: (unload hoist5 crate4 truck1 distributor2) [0]
	12: (lift hoist0 crate1 pallet0 depot0) [0]
	13: (load hoist0 crate1 truck0 depot0) [0]
	14: (unload hoist0 crate3 truck0 depot0) [0]
	15: (drive truck0 depot0 distributor2) [0]
	16: (drop hoist0 crate3 pallet0 depot0) [0]
	17: (drop hoist5 crate4 pallet5 distributor2) [0]
	18: (unload hoist5 crate0 truck0 distributor2) [0]
	19: (drive truck0 distributor2 distributor0) [0]
	20: (drop hoist5 crate0 crate4 distributor2) [0]
	21: (lift hoist3 crate5 pallet3 distributor0) [0]
	22: (load hoist3 crate5 truck0 distributor0) [0]
	23: (unload hoist3 crate2 truck0 distributor0) [0]
	24: (drop hoist3 crate2 pallet3 distributor0) [0]
	
	time spent: 0,08 seconds parsing
	            0,78 seconds encoding
	            4,84 seconds searching
	            5,70 seconds total time
		0: (drive truck0 distributor2 distributor0) [0]
		1: (drive truck0 distributor0 depot0) [0]
		2: (lift hoist4 crate1 pallet4 distributor1) [0]
		3: (drive truck0 depot0 depot1) [0]
		4: (drive truck1 distributor0 depot2) [0]
		5: (unload hoist2 crate5 truck1 depot2) [0]
		6: (drive truck0 depot1 depot0) [0]
		7: (drive truck1 depot2 distributor0) [0]
		8: (drop hoist5 crate0 crate4 distributor2) [0]
		
		time spent: 0,09 seconds parsing
		            0,79 seconds encoding
		            7,78 seconds searching
		            8,66 seconds total time
		
		memory used: 3,64 MBytes for problem representation
		            0,00 MBytes for searching
		            3,64 MBytes total

p03	memory used: 3,64 MBytes for problem representation 3,78 MBytes for searching 7,42 MBytes total	

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p01	java.lang.OutOfMemoryError: Java heap space	00: (unload-truck package2 truck3 city3-2) [0] 01: (load-airplane package4 plane1 city5-2) [0] 02: (unload-airplane package4 plane2 city1-2) [0] 03: (unload-airplane package4 plane1 city3-2) [0] 04: (fly-airplane plane1 city3-2 city5-2) [0] 05: (drive-truck truck6 city6-2 city6-2 city6) [0] 06: (unload-airplane package5 plane1 city6-2) [0] 07: (fly-airplane plane2 city5-2 city2-2) [0] 08: (fly-airplane plane1 city2-2 city4-2) [0] 09: (unload-airplane package2 plane2 city3-2) [0] 10: (load-airplane package2 plane2 city3-2) [0] 11: (fly-airplane plane2 city3-2 city3-2) [0] 12: (fly-airplane plane2 city5-2 city3-2) [0] 13: (unload-airplane package3 plane2 city6-2) [0] 14: (load-truck package4 truck5 city5-2) [0] 15: (load-airplane package2 plane2 city5-2) [0] 16: (load-airplane package6 plane1 city1-2) [0] 17: (fly-airplane plane1 city6-2 city1-2) [0] 18: (unload-truck package3 truck6 city6-1) [0] time spent: 0,26 seconds parsing 0,36 seconds encoding 16,89 seconds searching 17,50 seconds total time memory used: 2,26 MBytes for problem representation 0,00 MBytes for searching 2,26 MBytes total
p02	no plan found time spent: 0,09 seconds parsing 0,74 seconds encoding 0,00 seconds searching 0,83 seconds total time memory used: 5,75 MBytes for problem representation 0,00 MBytes for searching 5,75 MBytes total	00: (fly-airplane plane3 city6-2 city6-2) [0] 01: (fly-airplane plane3 city7-2 city2-2) [0] 02: (fly-airplane plane4 city10-2 city1-2) [0] 03: (fly-airplane plane3 city1-2 city9-2) [0] 04: (unload-airplane package1 plane2 city1-2) [0] 05: (unload-truck package3 truck1 city1-1) [0] 06: (fly-airplane plane2 city9-2 city9-2) [0] 07: (load-airplane package5 plane2 city1-2) [0] 08: (fly-airplane plane2 city5-2 city10-2) [0] 09: (fly-airplane plane3 city10-2 city9-2) [0] 10: (fly-airplane plane2 city7-2 city2-2) [0] 11: (fly-airplane plane4 city9-2 city10-2) [0] 12: (fly-airplane plane2 city6-2 city8-2) [0] 13: (fly-airplane plane3 city6-2 city5-2) [0] 14: (unload-airplane package3 plane1 city4-2) [0] 15: (fly-airplane plane3 city8-2 city5-2) [0] 16: (fly-airplane plane2 city4-2 city9-2) [0] 17: (fly-airplane plane2 city7-2 city1-2) [0] 18: (fly-airplane plane4 city1-2 city7-2) [0] 19: (fly-airplane plane1 city4-2 city3-2) [0] time spent: 0,08 seconds parsing 0,79 seconds encoding 608,93 seconds searching 609,80 seconds total time memory used: 5,75 MBytes for problem representation 0,00 MBytes for searching 5,75 MBytes total
p03	no plan found	00: (drive-truck truck7 city7-1 city7-1 city7) [0] 01: (drive-truck truck1 city1-1 city1-2 city1) [0]

	time spent: 0,11 seconds parsing
	               2,14 seconds encoding
	               0,00 seconds searching
	               2,24 seconds total time
	
	memory used: 27,05 MBytes for problem representation
	               0,00 MBytes for searching
	               27,05 MBytes total
		02: (drive-truck truck6 city6-2 city6-2 city6) [0]
		03: (drive-truck truck8 city8-2 city8-1 city8) [0]
		04: (fly-airplane plane2 city11-3 city10-3) [0]
		05: (drive-truck truck5 city5-1 city5-2 city5) [0]
		06: (fly-airplane plane2 city11-3 city4-3) [0]
		07: (fly-airplane plane1 city11-3 city11-3) [0]
		08: (fly-airplane plane3 city1-3 city4-3) [0]
		09: (fly-airplane plane2 city4-3 city3-3) [0]
		10: (fly-airplane plane2 city4-3 city7-3) [0]
		11: (fly-airplane plane2 city7-3 city7-3) [0]
		12: (fly-airplane plane2 city10-3 city6-3) [0]
		13: (drive-truck truck1 city1-1 city1-3 city1) [0]
		14: (load-truck package7 truck1 city1-2) [0]
		15: (unload-truck package7 truck1 city1-3) [0]
		16: (fly-airplane plane2 city11-3 city1-3) [0]
		17: (fly-airplane plane1 city11-3 city3-3) [0]
		18: (fly-airplane plane2 city3-3 city12-3) [0]
		19: (fly-airplane plane2 city4-3 city12-3) [0]
		
		time spent: 0,32 seconds parsing
		               3,46 seconds encoding
		               629,14 seconds searching
		               632,92 seconds total time
		
		memory used: 27,05 MBytes for problem representation
		               0,00 MBytes for searching
		               27,05 MBytes total

p04	no plan found
	
	time spent: 0,12 seconds parsing
	               3,90 seconds encoding
	               0,00 seconds searching
	               4,02 seconds total time
	
	memory used: 46,59 MBytes for problem representation
	               0,00 MBytes for searching
	               46,59 MBytes total
		00: (fly-airplane plane2 city12-4 city13-4) [0]
		01: (fly-airplane plane1 city3-4 city5-4) [0]
		02: (drive-truck truck3 city7-1 city7-2 city7) [0]
		03: (drive-truck truck7 city9-1 city9-4 city9) [0]
		04: (unload-airplane package7 plane2 city12-4) [0]
		05: (fly-airplane plane1 city3-4 city11-4) [0]
		06: (drive-truck truck18 city8-2 city8-3 city8) [0]
		07: (fly-airplane plane2 city4-4 city5-4) [0]
		08: (fly-airplane plane4 city4-4 city10-4) [0]
		09: (fly-airplane plane2 city12-4 city5-4) [0]
		10: (fly-airplane plane4 city6-4 city5-4) [0]
		11: (fly-airplane plane4 city8-4 city3-4) [0]
		12: (drive-truck truck5 city8-2 city8-2 city8) [0]
		13: (fly-airplane plane3 city6-4 city4-4) [0]
		14: (fly-airplane plane1 city3-4 city7-4) [0]
		15: (drive-truck truck23 city13-2 city13-2 city13) [0]
		16: (drive-truck truck6 city9-2 city9-1 city9) [0]
		17: (fly-airplane plane4 city5-4 city11-4) [0]
		18: (drive-truck truck17 city7-3 city7-4 city7) [0]
		19: (fly-airplane plane1 city2-4 city6-4) [0]
		
		time spent: 0,09 seconds parsing
		               3,81 seconds encoding
		               629,00 seconds searching
		               632,90 seconds total time
		
		memory used: 46,59 MBytes for problem representation
		               0,00 MBytes for searching
		               46,59 MBytes total

p05	no plan found
	
	time spent: 0,08 seconds parsing
	               0,74 seconds encoding
	               0,00 seconds searching
		00: (load-truck package2 truck2 city8-2) [0]
		01: (fly-airplane plane1 city5-2 city5-2) [0]
		02: (unload-airplane package2 plane1 city2-2) [0]
		03: (fly-airplane plane1 city4-2 city6-2) [0]
		04: (fly-airplane plane1 city1-2 city7-2) [0]

	0,82 seconds total time
	
	memory used: 3,90 MBytes for problem representation
	     0,00 MBytes for searching
	     3,90 MBytes total
		05: (drive-truck truck2 city8-1 city8-1 city8) [0]
		06: (fly-airplane plane1 city1-2 city3-2) [0]
		07: (fly-airplane plane1 city2-2 city3-2) [0]
		08: (drive-truck truck1 city3-2 city3-1 city3) [0]
		09: (fly-airplane plane1 city4-2 city9-2) [0]
		10: (fly-airplane plane1 city9-2 city3-2) [0]
		11: (fly-airplane plane1 city9-2 city7-2) [0]
		12: (load-truck package3 truck11 city9-2) [0]
		13: (load-airplane package2 plane1 city3-2) [0]
		14: (load-airplane package4 plane1 city8-2) [0]
		15: (load-airplane package4 plane1 city2-2) [0]
		16: (unload-truck package2 truck1 city3-2) [0]
		17: (fly-airplane plane1 city5-2 city8-2) [0]
		18: (load-airplane package3 plane1 city7-2) [0]
		19: (unload-truck package2 truck1 city3-1) [0]
		
		time spent: 0,07 seconds parsing
		     0,60 seconds encoding
		     28,82 seconds searching
		     29,49 seconds total time
		
		memory used: 3,90 MBytes for problem representation
		     0,00 MBytes for searching
		     3,90 MBytes total

p06	no plan found
	
	time spent: 0,12 seconds parsing
	     9,68 seconds encoding
	     0,00 seconds searching
	     9,80 seconds total time
	
	memory used: 160,65 MBytes for problem representation
	     0,00 MBytes for searching
	     160,65 MBytes total
		java.lang.NullPointerException

p07	no plan found
	
	time spent: 0,18 seconds parsing
	     1,15 seconds encoding
	     0,00 seconds searching
	     1,33 seconds total time
	
	memory used: 13,46 MBytes for problem representation
	     0,00 MBytes for searching
	     13,46 MBytes total
		00: (unload-airplane package8 plane2 city8-2) [0]
		01: (load-airplane package6 plane1 city5-2) [0]
		02: (fly-airplane plane3 city4-2 city3-2) [0]
		03: (fly-airplane plane3 city7-2 city8-2) [0]
		04: (fly-airplane plane3 city9-2 city3-2) [0]
		05: (fly-airplane plane2 city3-2 city11-2) [0]
		06: (fly-airplane plane1 city10-2 city9-2) [0]
		07: (fly-airplane plane4 city6-2 city8-2) [0]
		08: (fly-airplane plane1 city8-2 city8-2) [0]
		09: (drive-truck truck9 city9-1 city9-1 city9) [0]
		10: (drive-truck truck5 city5-1 city5-2 city5) [0]
		11: (fly-airplane plane3 city11-2 city2-2) [0]
		12: (unload-airplane package8 plane3 city10-2) [0]
		13: (fly-airplane plane2 city2-2 city9-2) [0]
		14: (drive-truck truck7 city7-2 city7-2 city7) [0]
		15: (load-truck package7 truck5 city5-2) [0]
		16: (unload-airplane package4 plane1 city2-2) [0]
		17: (load-airplane package6 plane2 city10-2) [0]
		18: (fly-airplane plane6 city3-2 city4-2) [0]
		19: (load-airplane package6 plane2 city11-2) [0]
		
		time spent: 0,08 seconds parsing
		     1,02 seconds encoding
		     609,55 seconds searching
		     610,65 seconds total time
		
		memory used: 13,46 MBytes for problem representation
		     0,00 MBytes for searching
		     13,46 MBytes total

p08	no plan found time spent: 0,12 seconds parsing 10,53 seconds encoding	00: (fly-airplane plane3 city2-3 city5-3) [0] 01: (fly-airplane plane1 city5-3 city9-3) [0] 02: (fly-airplane plane3 city5-3 city17-3) [0] 03: (drive-truck truck5 city5-3 city5-3 city5)

	0,00 seconds searching
	10,64 seconds total time
	
	memory used: 261,30 MBytes for problem representation
	  0,00 MBytes for searching
	  261,30 MBytes total
		[0]
		04: (drive-truck truck27 city14-1 city14-3 city14) [0]
		05: (fly-airplane plane1 city5-3 city2-3) [0]
		06: (drive-truck truck8 city10-3 city10-2 city10) [0]
		07: (drive-truck truck22 city9-1 city9-1 city9) [0]
		08: (drive-truck truck25 city12-2 city12-1 city12) [0]
		09: (fly-airplane plane3 city5-3 city19-3) [0]
		10: (drive-truck truck18 city5-1 city5-1 city5) [0]
		11: (fly-airplane plane1 city9-3 city20-3) [0]
		12: (drive-truck truck11 city5-3 city5-2 city5) [0]
		13: (fly-airplane plane2 city16-3 city20-3) [0]
		14: (drive-truck truck15 city2-2 city2-2 city2) [0]
		15: (fly-airplane plane1 city9-3 city6-3) [0]
		16: (drive-truck truck4 city17-2 city17-1 city17) [0]
		17: (load-airplane package21 plane1 city20-3) [0]
		18: (unload-airplane package21 plane1 city6-3) [0]
		19: (fly-airplane plane1 city5-3 city12-3) [0]
		
		time spent: 0,11 seconds parsing
		  12,53 seconds encoding
		  1071,71 seconds searching
		  1084,36 seconds total time
		
		memory used: 261,30 MBytes for problem representation
		  0,00 MBytes for searching
		  261,30 MBytes total

p09	no plan found
	
	time spent: 0,10 seconds parsing
	  6,90 seconds encoding
	  0,00 seconds searching
	  7,00 seconds total time
	
	memory used: 125,67 MBytes for problem representation
	  0,00 MBytes for searching
	  125,67 MBytes total
		java.lang.NullPointerException

pc10	no plan found
	
	time spent: 0,18 seconds parsing
	  5,42 seconds encoding
	  0,00 seconds searching
	  5,60 seconds total time
	
	memory used: 92,06 MBytes for problem representation
	  0,00 MBytes for searching
	  92,06 MBytes total
		java.lang.NullPointerException