

## **Homework / Project Document**

Course	Planning and Scheduling
Homework/ Project	#4
Title	JSHOP2 Input/Output
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Instructor	Prof. Gerhard Kraetzschmar
Project Evaluator	Prof. Gerhard Kraetzschmar
Acceptance Status	Accepted Revision needed Rejected
Points	
Comments:	

## Domain description:

```
1; Assignment 4
 4 (defdomain basic (
 5
       (:operator (!pickup ?a) (see ?a) () ((have ?a))
 6
       ) ;end operator pickup
 7
       (:operator (!pour ?a ?b)
 8
                        ((have ?a)(see ?b))
 9
                        ()
10
                        ((full ?b))
11
       ) ;end operator pour
       (:operator (!find ?a)
12
                        ()
13
14
                        ()
15
                        ((see ?a))
       ) ;end operator find
16
       (:operator (!clean ?a)
17
18
                        ((dirty ?a) (have ?a))
                        ((dirty ?a))
19
20
21
       ) ;end operated clean
22
23
       (:method (maketea ?a ?b)
24
           ((see ?b) (dirty ?b))
25
                ((wash ?b) (maketea ?a ?b))
26
           ((see ?a) (see ?b) (not (dirty ?b)))
27
                ((!pickup ?a) (!pour ?a ?b))
28
           ((see ?a) (not (see ?b)))
                ((!find ?b) (maketea ?a ?b))
29
30
           ((see ?b) (not (see ?a)))
31
                ((!find ?a) (maketea ?a ?b))
32
           ()
                ((!find ?a) (!find ?b) (maketea ?a ?b))
33
       ) ;end of maketea method
34
35
36
       (:method (wash ?a)
           ((not (dirty ?a)))
37
38
                ()
           ((see ?a))
39
                ((!pickup ?a) (!clean ?a))
40
41
           ((have ?a))
                ((!clean ?a))
42
43
           ()
44
                ((!find ?a) (!pickup ?a) (!clean ?a))
45
       ) ;end of wash method
46
       ))
47
```

## Problem description:

- 1 (defproblem problem basic
- 2 ((full kettle) (dirty cup1)) ((maketea kettle cup1) (maketea kettle cup2)))

