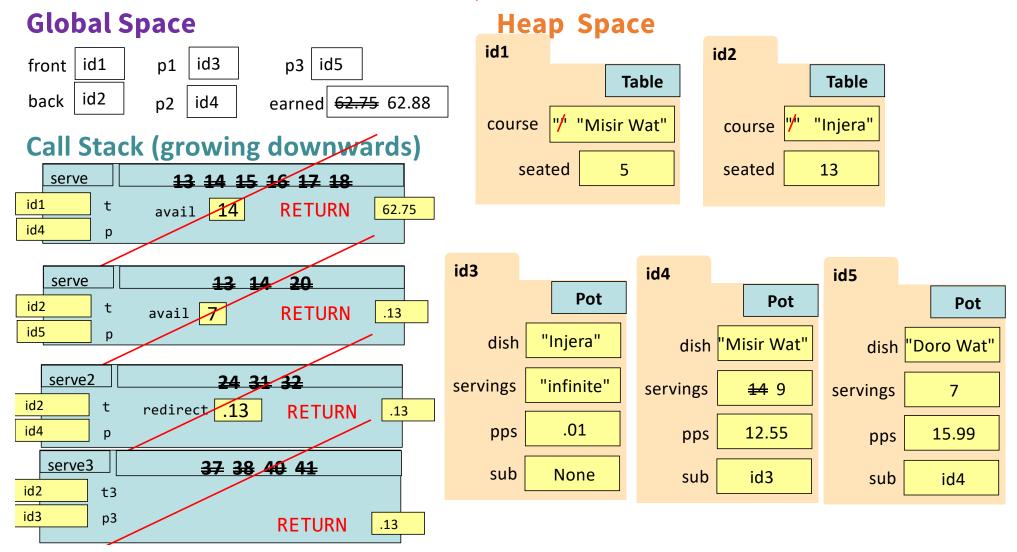
CS1110 SP22 A2 solutions – modified for SP25 rules to skip else lines



## **Global Space**

p1 id1 p3 id3 p2 id2 p4 id4

Q1 (just after lines 8-9) p3.dish: "Doro Wat" p3.sub.dish: "Misir Wat" p4.dish: "Misir Wat" p4.sub.dish: "Misir Wat"

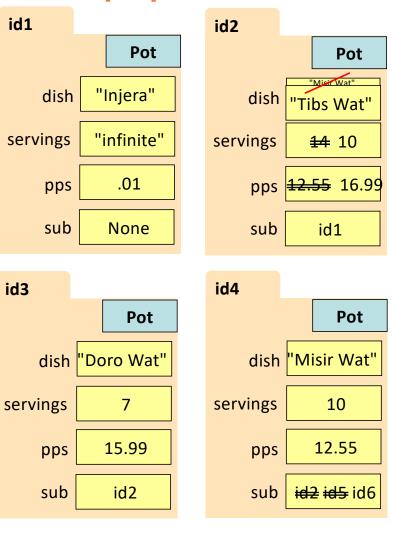
Q2 (just after line 2—25) p3.dish: "Doro Wat" p3.sub.dish: "Tibs Wat" p4.dish: "Misir Wat" p4.sub.dish: : "Tibs Wat"

Q3 (just after line 37) p3.dish: "Doro Wat" p3.sub.dish: "Tibs Wat" p4.dish: "Misir Wat" p4.sub.dish: "Tibs Wat"

Q4 (just after line 49) p3.dish: "Doro Wat" p3.sub.dish: "Tibs Wat" p4.dish: "Misir Wat" p4.sub.dish: "Shiro Wat" Note that lines 8 and 9 make p3's sub be the same object as p4's sub. So if we change that Pot to hold Tibs Wat, that will be the substitute dish for both p3 and p4.

Line 37 makes p4's sub a *different* object from p3's sub.

## **Heap Space**



id5

dish

pps

sub

servings

id6

servings

pps

sub

Pot

"Tibs Wat"

10

16.99

None

Pot

10

13.99

None

dish "Shiro Wat"