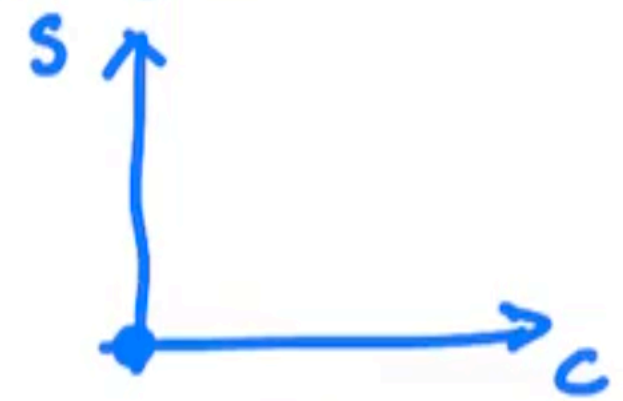


Interpreting Simplex Tableaux

Every tableau represents a feasible solution, and has an interpretation.

	<u>C</u>	<u>S</u>	<u>u</u>	<u>v</u>	<u>w</u>	<u>p</u>	
u.	6	3	<u>1</u>	0	0	0	<u>96</u>
v.	1	1	0	<u>1</u>	0	0	<u>18</u>
w.	2	6	0	0	<u>1</u>	0	<u>72</u>
p	-80	-70	0	0	0	<u>1</u>	0

$u = 96 \Rightarrow$ no carpentry
 $v = 18 \Rightarrow$ "
 $w = 72 \Rightarrow$ "
 $p = 0 \Rightarrow$ profit = \$0



<u>C</u>	<u>1</u>	1/2	1/6	0	0	0	<u>16</u>
<u>v</u>	0	1/2	-1/6	<u>1</u>	0	0	<u>2</u>
<u>w</u>	0	5	-1/3	0	<u>1</u>	0	<u>40</u>
<u>p</u>	0	-30	40/3	0	0	1	<u>1280</u>

$C = 16 \Rightarrow$ 16 chairs
 $v = 2 \Rightarrow$ 2 hrs finishing
 $w = 40 \Rightarrow$ 30 hrs uph.
 $p = 1280 \Rightarrow$ profit \$1,280



<u>C</u>	1	0	1/3	-1	0	0	14
<u>S</u>	0	1	-1/3	2	0	0	<u>4</u>
<u>w</u>	0	0	4/3	-10	1	0	<u>20</u>
<u>p</u>	0	0	10/3	60	0	1	<u>1400</u>

$C = 14$: chairs
 $S = 4$: sofas
 $w = 20$: 20 unused hrs
 $p = 1400$

