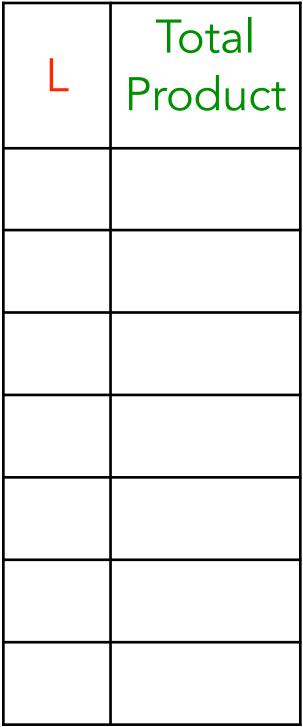
Hire all workers for whom the MRP_{l} > price of labor (P_{l})

6	692	980	1200	1384	1550	1692
5	632	896	1096	1264	1410	1550
4	564	800	960	1128	1264	1384
3	490	692	846	980	1096	1200
2	400	564	692	800	896	980
1	282	400	490	564	632	692
	1	2	3	4	5	6

Q















ı











If we use 6 machines

These are all output levels that

can be produced with 6 machines









17(

 $\Delta \gamma / \gamma$ MP_L

692

288

How many workers should be hired?

































































































































Hire all workers for whom the $MRP_1 > $1,000$



Output with 1 worker 6 machines

Output with 2 workers 6 machines

Output with 3 workers 6 machines

Output with 4 workers 6 machines











3 workers should be hired if $P_L=1,000$































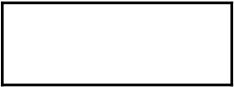




Assume the price of Output is \$5/unit

and the price of Labor (Wage) is \$1,000



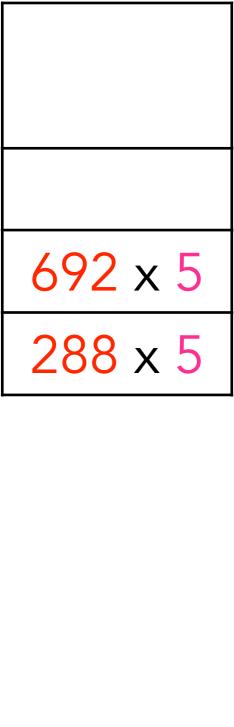






692 x 5



















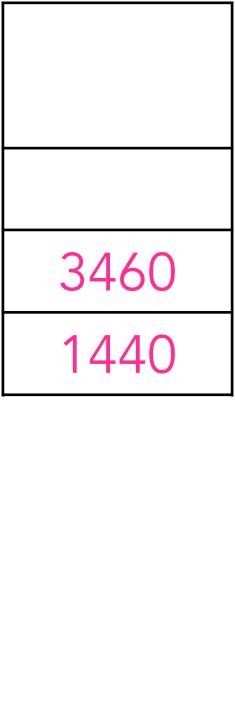


= MP_{L x}Price of output





///()



















>1,000 | Hire worker 1 |

>1,000 Hire worker 1

>1,000 | Hire worker 2|

>1,000 Hire worker 1 >1,000 Hire worker 2

>1,000 | Hire worker 3 |

>1,000	Hire worker 1
>1,000	Hire worker 2

>1,000

Hire worker 3

>1,000	Hire worker	- 1
× 1 000	1.10)

Hire worker 2 >1,000 Hire worker 3

>1,000

Do not hire <1,000

>1,000	Hire worker 1		
>1 000	Hire worker 2		

Hire worker 3 >1,000

Do not hire <1,000

Do not hire <1,000

Do not hire < 1.000

>1,000 Hire worker 1 >1,000 Hire worker 2 >1,000 Hire worker 3 <1,000 Do not hire

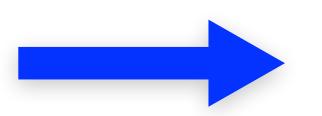
<1,000

<1,000

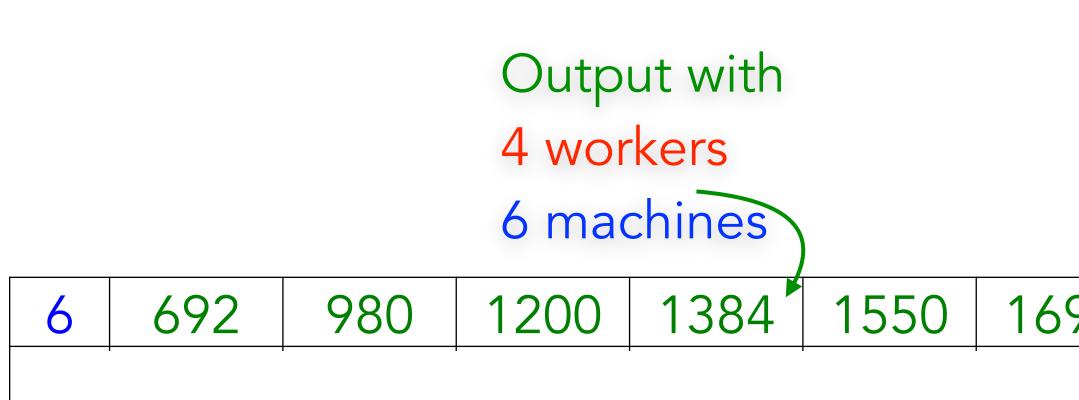
Do not hire

Do not hire

If we use 6 machines



Fix Capital at 6



These are all output levels that can be produced with 6 machines

Capital (K)

1	2	3	4	5	6

Labor (L)

Assume the price of Output is \$5/unit and the price of Labor (Wage) is \$1,000 How many workers should be hired?

L	3 workers should be hired if D 1 000					
1	6	$P_{L}=1,00$	460	>1,000	Hire worker 1	
2	.58	200 1 3	1440	>1,000	Hire worker 2	
3	220	220 x 5	1100	>1,000	Hire worker 3	
4	184	184 x 5	920	<1,000	Do not hire	
5	166	166 x 5	830	<1,000	Do not hire	
6	142	142 x 5	710	<1,000	Do not hire	

Hire all workers for whom the $MRP_L > price of labor (P_L)$ Hire all workers for whom the $MRP_L > $1,000$

L	MPL	MRPL	MRPL
0			
1	692	692 x 5	3460
2	288	288 x 5	1440
3	220	220 x 5	1100
4	184	184 x 5	920
5	166	166 x 5	830
6	142	142 x 5	710