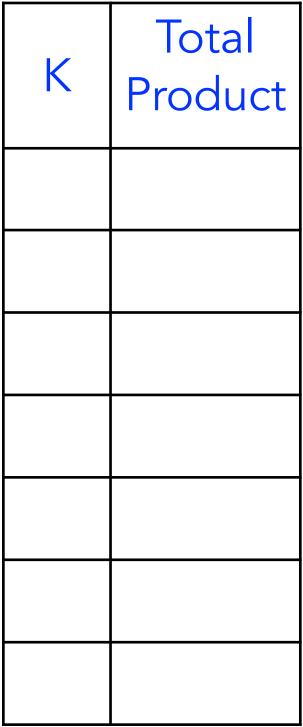
Buy all machines for which the MRP_K

> price of capital (P_K)

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

























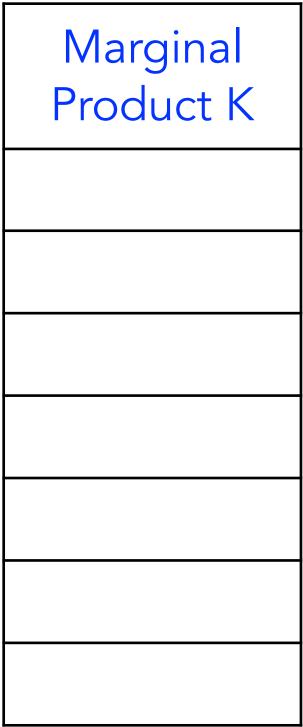
If we use 5 workers









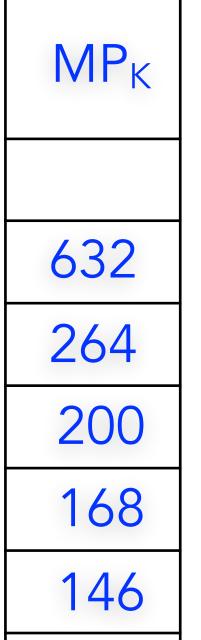


1096 - 896

1264 - 1096

1410 - 1264

- 1410 1550



How many machines should be purchased?



































































































































Buy all machines for which the MRP_K > \$1,300













2 machines should be purchased if $P_k=$1,300$ These are all output levels that can be produced with 5 workers

Output with 5 workers 1 machine

Output with 5 workers 2 machines

Output with 5 workers 3 machines

Assume the price of Output is \$5/unit

and the price of Capital (P_K) is \$1,300



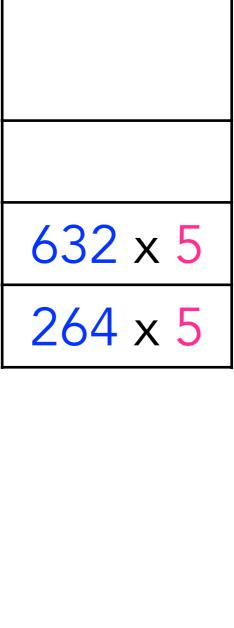




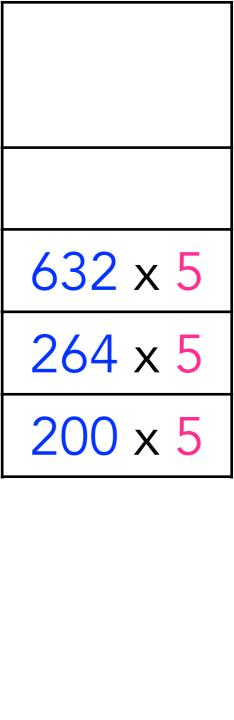


632 x 5

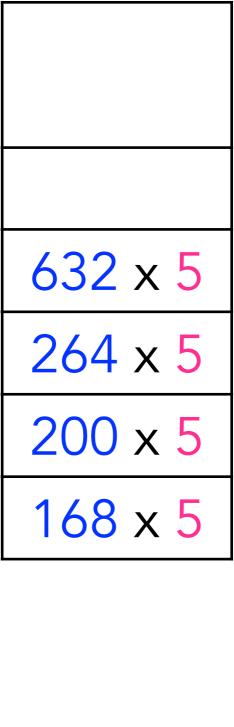




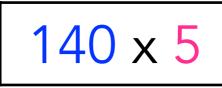
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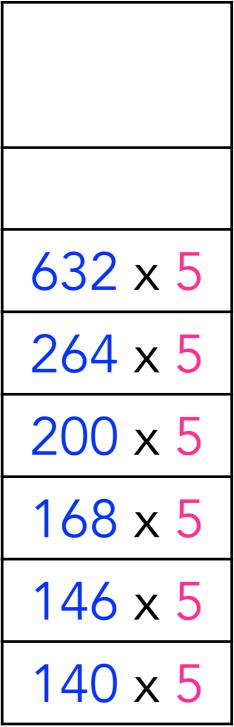


68 ×





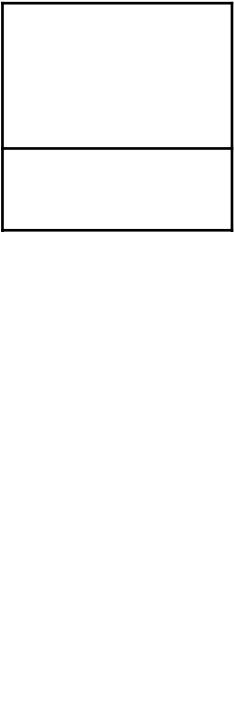




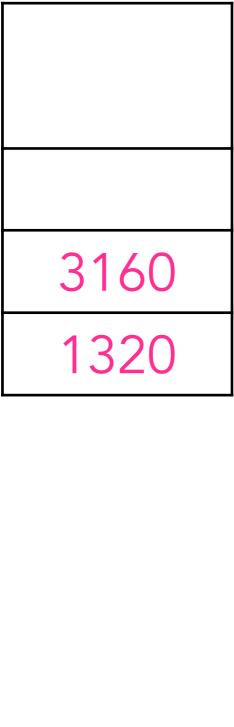














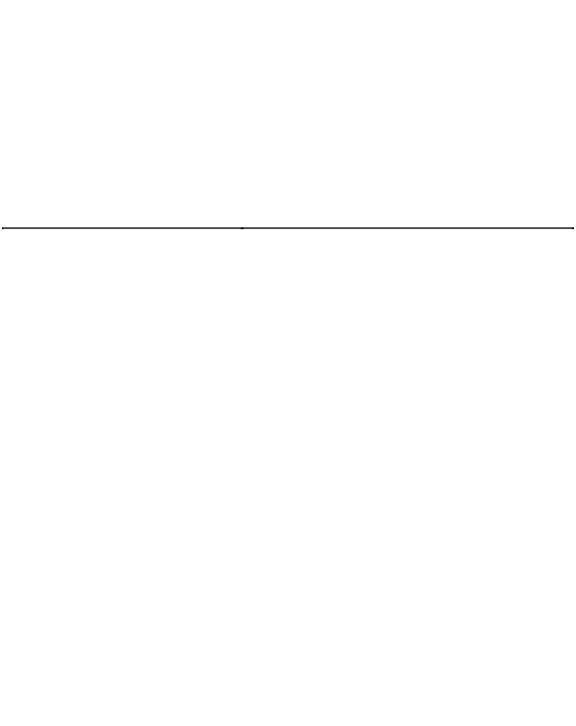












Buy machine 1

>1,300

Buy machine 1

>1,300 Buy machine 2

>1,300	Buy machine 1	
>1,300	Buy machine 2	

>1,300	Buy machine 1	
>1,300	Buy machine 2	

Do not buy machine 3

<1,300

>1,300	Buy machine 1

>1,300 Buy machine 2

<1,300 Do not buy machine 3

<1,300 Do not buy machine 4

>1,300	Buy machine 1
>1,300	Buy machine 2

>1,300

Do not buy machine 3

<1,300

<1,300

<1,300

Do not buy machine 4

Do not buy machine 5

 >1,300
 Buy machine 1

 >1,300
 Buy machine 2

 <1,300</td>
 Do not buy machine 3

Do not buy machine 4

Do not buy machine 5

Do not buy machine 6

<1,300

<1,300

<1,300

If we use 5 workers



Five labor at 5

	6	1550	
	5	1410	
	4	1264	
pital	3	1096	
apı	2	896	
J	1	632	
		5	

Labor (L)

Assume the price of Output is 5/unit and the price of Capital (P_K) is 1,300 How many machines should be purchased?

2 machines					
K	should be purchased if		PK		
0	Р	_k =\$1,300			
1			3160	>1,300	Buy machine 1
2	264	264 x 5	1320	>1,300	Buy machine 2
3	200	200 x 5	1000	<1,300	Do not buy machine 3
4	168	168 x 5	840	<1,300	Do not buy machine 4
5	146	146 x 5	730	<1,300	Do not buy machine 5
6	140	140 x 5	700	<1,300	Do not buy machine 6

Buy all machines for which the MRP_K

> price of capital (P_K)

Buy all machines for which the MRP_K > \$1,300

K	MP_K	MRP_K	MRPK
0			
1	632	632 x 5	3160
2	264	264 x 5	1320
3	200	200 x 5	1000
4	168	168 x 5	840
5	146	146 x 5	730
6	140	140 x 5	700