L	TP	MP_L	MRP_L
0	0		
1	15	15	450
2	27	12	360
3	37	10	300
4	44	7	210
5	47	3	90
6	49	2	60
7	48	-1	-30
8	45	-3	-90

If the Wage is:	
P_L	Q^d_L

Hire if:

$$MRP_L \geq P_L$$

1

< 400 do not hire

< 400 do not hire

< 400 do not hire

< 400 do not hire

< 400 do not hire

> 300 hire

< 300 do not hire

< 300 do not hire

< 300 do not hire

< 300 do not hire

> 300 hire

< 400 do not hire

400

300

≥ 300 hire

200

4

100

4

80

5

5

60

50

> 400 hire

< 400 do not hire

< 300 do not hire

6

of
workers
hired

Demand
for Labor

Hire if: $MRP_L \geq P_L$

L	TP	MP_L	MRP_L
0	0		
1	15	15	450
2	27	12	360
3	37	10	300
4	44	7	210
5	47	3	90
6	49	2	60
7	48	-1	-30
8	45	-3	-90

Demand for Labor

P_L	Q^d_L
400	1
300	3
200	4
100	4
90	5
80	5
70	5
60	6
50	6
20	6
10	6

Optimal use of Labor

L	TP	MP	MRP
0	0		
1	15	15	450
2	27	12	360
3	37	10	300
4	44	7	210
5	47	3	90
6	49	2	60
7	48	-1	-30
8	45	-3	-90