Eight Labor Market Models



Unit 4: Eight Resource Market Models

- 1. Competitive Resource Market and Competitive Product Market
- 2. Competitive Resource Market and Imperfect Product Market
- 3. Monopsony
- 4. Union: Demand Enhancement
- 5. Unions: Exclusive or Craft union
- 6. Unions: Inclusive or Industrial Union
- 7. Unions: Bilateral Monopoly
- 8. Minimum Wage (3 models)

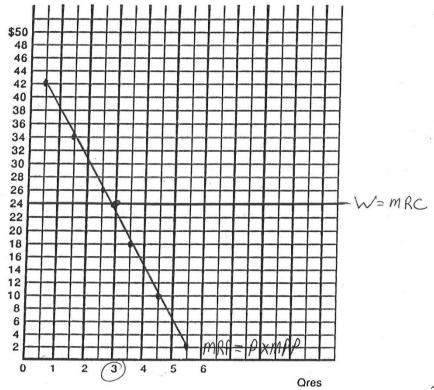
OUTLINE - Chapter 12 - The Demand for Resources

Competitive Product Market and Competitive Resource Market

Q Resource	; TP	MP	Product Price	† TR	MRP	Wage	TC	MRC	VMP (PxMP)
0	0		\$2.00	#0		\$24	0		
1	21	21	#2	# 42	#42	24	#24	\$24	#42
2	38	17	2	[#] 76	[#] 34	24	48	24	34
3	51	13	2	\$102	# 26	24	72	24	26
4	60	9	2	#120	# 18	24	96	24	18
5	65	5	2	\$130	#10	24	120	24	10
6	66	1	2	* ₁₃₂	# 2	24	144	24	2

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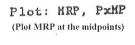
Plot: MRP = P x MP (Plot MRP at the midpoints), W = MRC.

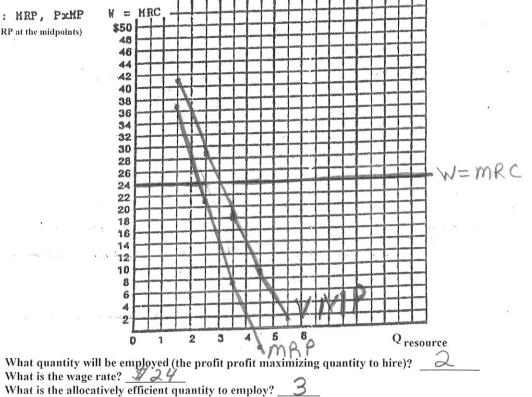


What quantity will be employed (the profit profit maximizing quantity to hire)? What is the wage rate? <u>\$24</u>
What is the allocatively efficient quantity to employ?

TYPE OF MARKET: Competitive Product AND Labor Market
Costs, Revenues Dealer Q labor Andividual Firm
Explanation / Characteristics / Examples
Competitive Product Market
Ch. 8 and 9
Many producers, standardized product
No market power = price taker
Example: Agriculture
Competitive Labor Market
- MRC = wage rate because:
Many qualified werkers with identical skills
Firms and workers are "wage takers"
- Example: market for unskilled labor
- Therefore the Supply of labor for the
individual firm is perfectly elastic
(haviz ental)
Profit Maximizing Quantity:Q
Allocative Efficient Quantity:

TR , petition MRC ! VMP Wage TC Product TP HP Q (P x MP) Price Resource Agent sents quite date care time sent time and care disp clare took ages seles and agent care time time ages and agent care time time. \$24 \$2.80 0 0 \$2.60 21 1 \$2.40 2 38 \$2.20 51 3 780 \$2.00 4 80 \$1.80 85 5 \$1.60 В 68





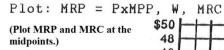
What is the allocatively efficient quantity to employ?

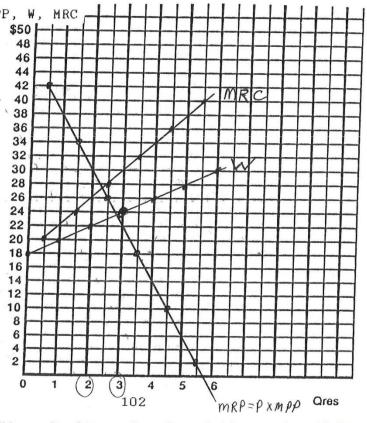
TYPE OF MARKET: I mperfect Competition in Product Market AND
Costs, Revenues Perfect Competition in the labor market
w=mrc
Vmp Saber
MRP=DLaber
Quantity of Labor
Explanation / Characteristics / Examples
Text book pp 251-252
Competitive Labor Market
Many qualified workers = wage takers
BUT they werk for a Menopoly or Discopoly or
Monopolistic Competitor with some market power
Downward sluping Demand for product
We know manapolios will produce Less and
sell at a higher price. If they produce
less they will hire less workers
Profit Maximizing Quantity:
Allocative Efficient Quantity: Q

Resource Markets: Monopsory

Assumptions: imperfect competition in the resource market perfect competition in the product market

Q Resource	TP	MPP =====	Product Price =======	TR	MRP 	Wage =====	TVC	MRC	PXMPP
0	0		\$2.00	0		\$18			0
1	21	21	2	# 42	# 42	20	#20	20	#42
2	38	17	2	76	34	22	44	24	34
3	51	13	2	102	26	24	72	28	26
4	60	9	2	120	18	26	104	32	18
5	65	_5	2	130	10	28	140	36	10
6	66	1	2	132	2	30	180	40	2



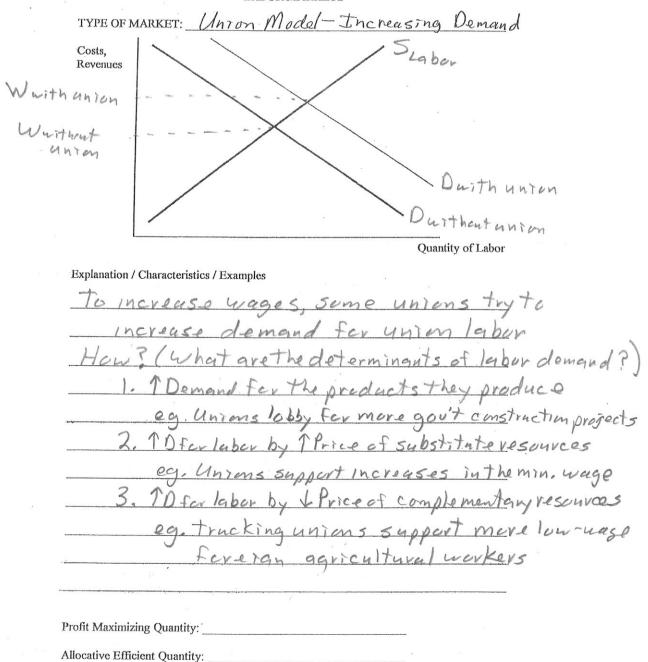


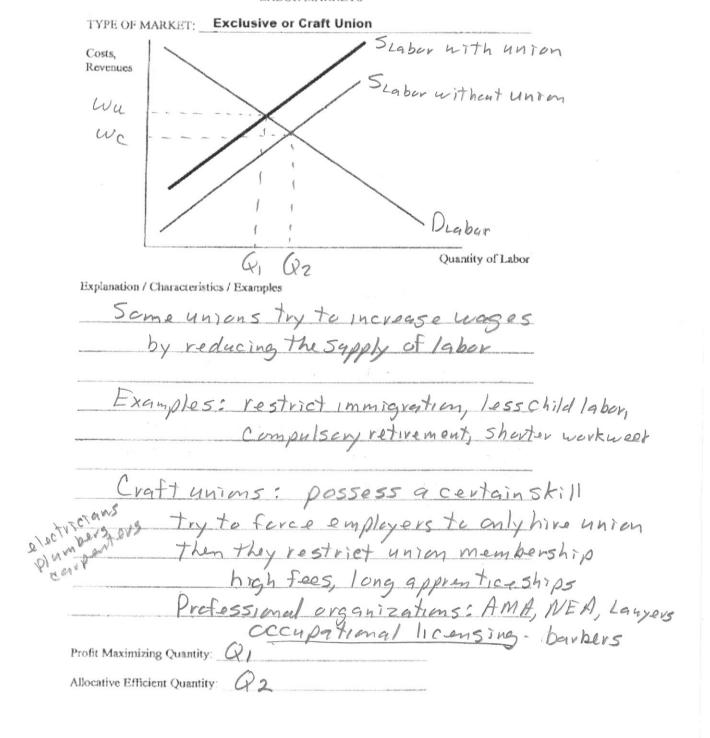
What quantity will be employed (the profit profit maximizing quantity to hire)?

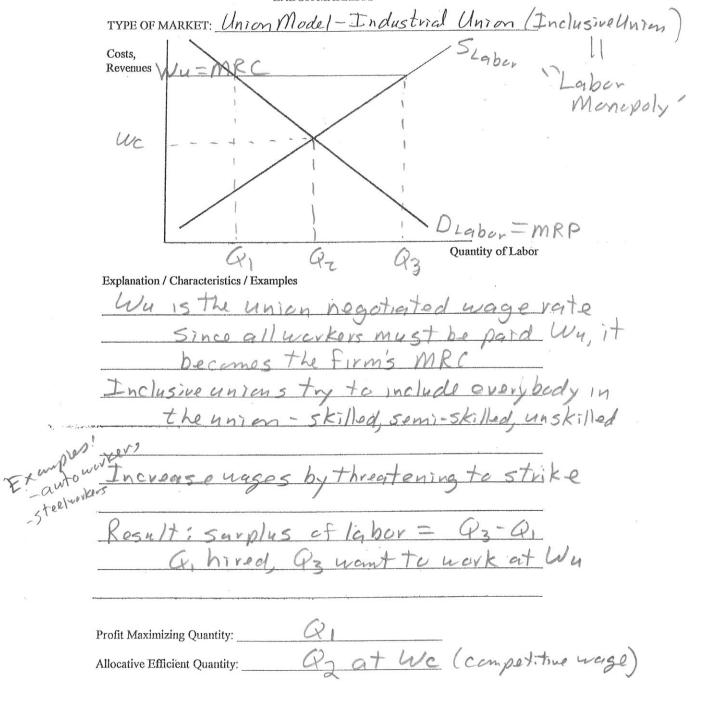
What is the wage rate? <u>\$ 22</u>

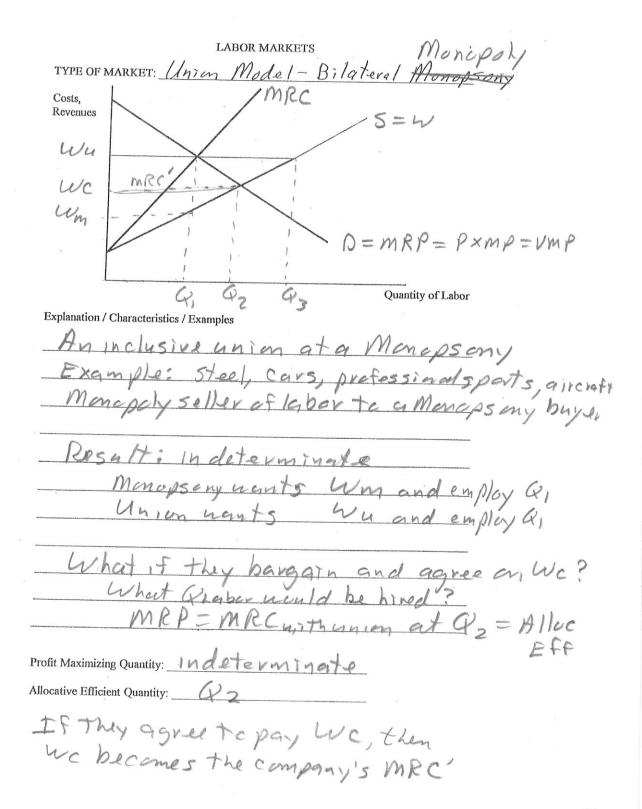
What is the allocatively efficient quantity to employ? 3

TYPE OF MARKET: Monopsony
Costs, Revenues
SLaber = W
W
mRP=Draber=VMP
Quantity of Labor Market
Explanation / Characteristics / Examples
Monopsony
a single buyer of labor
Example: Major employer in a small town
Amining town in Appalacia, colorado Ski Firm is a "wage maker" - They will town
tirm is a "wage maker" - They will
try to pay as low a rage as
possible, therefore the
supply of labor is upward sloping
mec is higher than the later and
MRC is higher than the Wagerate
Profit Maximizing Quantity:
Allocative Efficient Quantity:



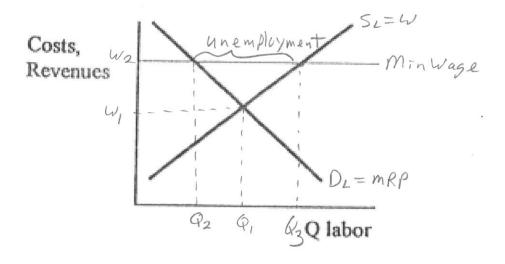






LABOR MARKETS - Minimum Wage 1

TYPE OF MARKET: Traditional (price floor) Model (jobs are lost)

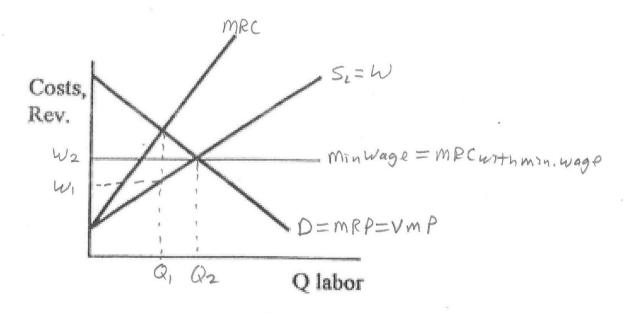


Explanation / Characteristics:

Without the min wage Q, would be employed; wages = w,
With the min wage Qawond be employed; wages = wa
Result: Minimum wages reduce the number employed
Those who appose the minimum wage argue
that it causes unemployment of Qito Q3

Profit Maximizing Quantity: Q2 with min wage, Q, without min, wage
Allocative Efficient Quantity: Q1

TYPE OF MARKET: Minimum wage with a Monopsony (jobs are gained)



Explanation / Characteristics:

Example: Minimum wage in a Monopsenistic labor market

Minimum wage for workers in a one industry town

Without minimum wage: Quemployed at a wage of We

With minimum wage: Quemployed at a wage of We

Result: the minimum wage increases the number

employed from Quentity: and they are paid more

Profit Maximizing Quantity: Queithout min wase, Quent min wage

Allocative Efficient Quantity: Que where W=Vmp

Notice that the labor market was

Inefficient without the min wage

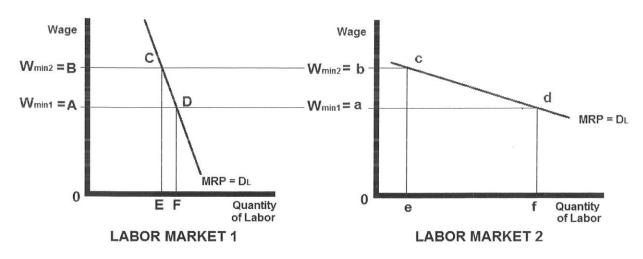
The min wage helped it achieve

allocative efficiency

Result: higher wases, more employed, more efficient

LABOR MARKETS - Minimum Wage 3

TYPE OF MARKET: Minimum wage and the elasticity of demand for labor (jobs lost BUT the poor gain income)



Explanation / Characteristics:

employment BUT are the poor better off?

Do the poor have higher or lower incomes?

It depends on the price elasticity of demand for labor.

IF INELASTIC (Labor Market I above):

- Raising The min was from At B will Increase incomes from

OADF to ABCE

IF ELASTIC (Labor Market 2) - Raising The min was from

A to B will Decrease incomes

from Oadf to Obce