

Show that AR = Price



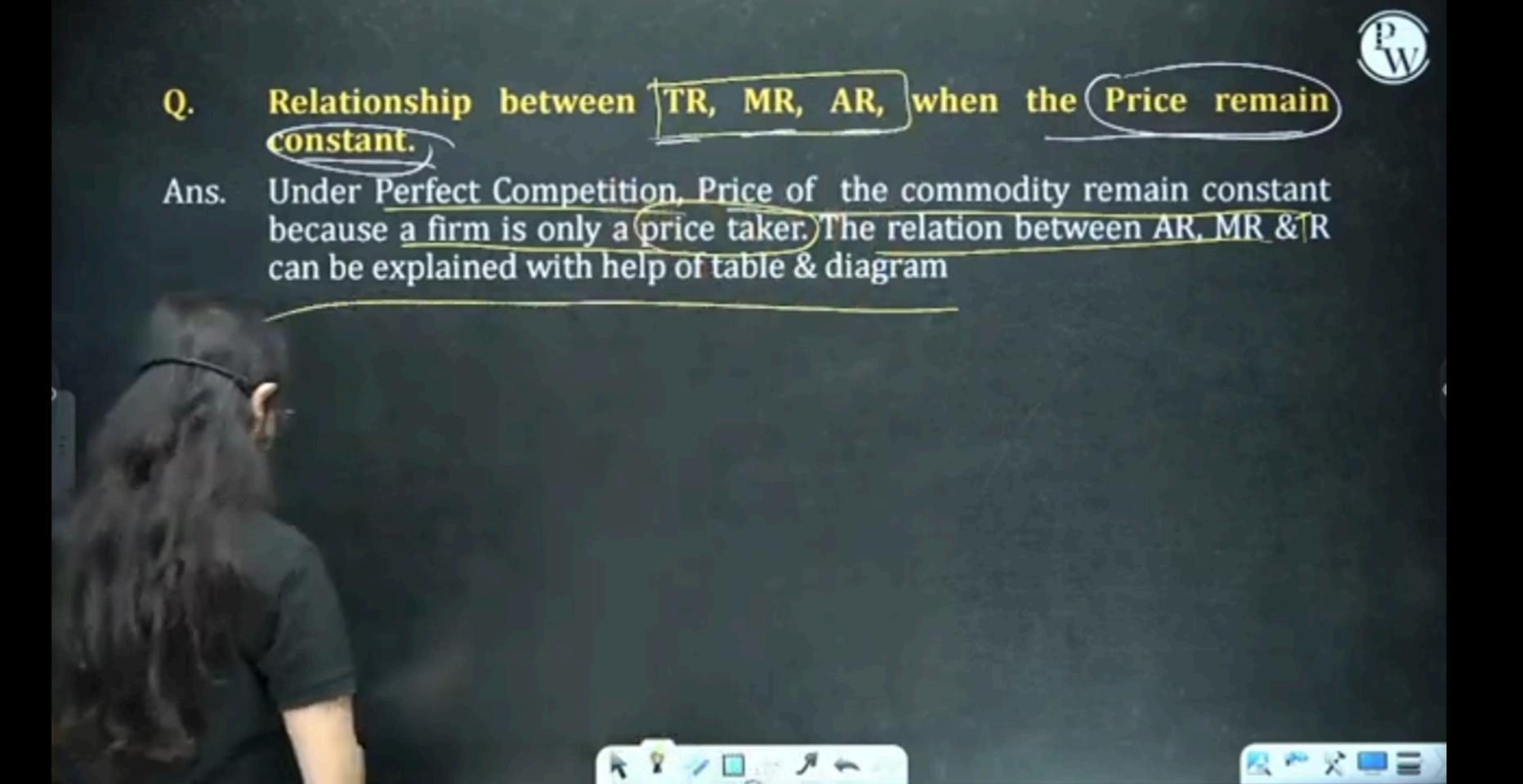


Table:



Output	AR = P	TR	MR
1	10	10	10
2	10	20	10
3	10	30	10
4	10	40	10
5	10	50	10
6	10	60	10

It is clear from the diagram that when price is constant,

- i. AR = MR
- ii. TR increase at constant rate

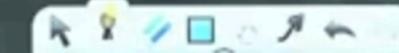




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10

6

10

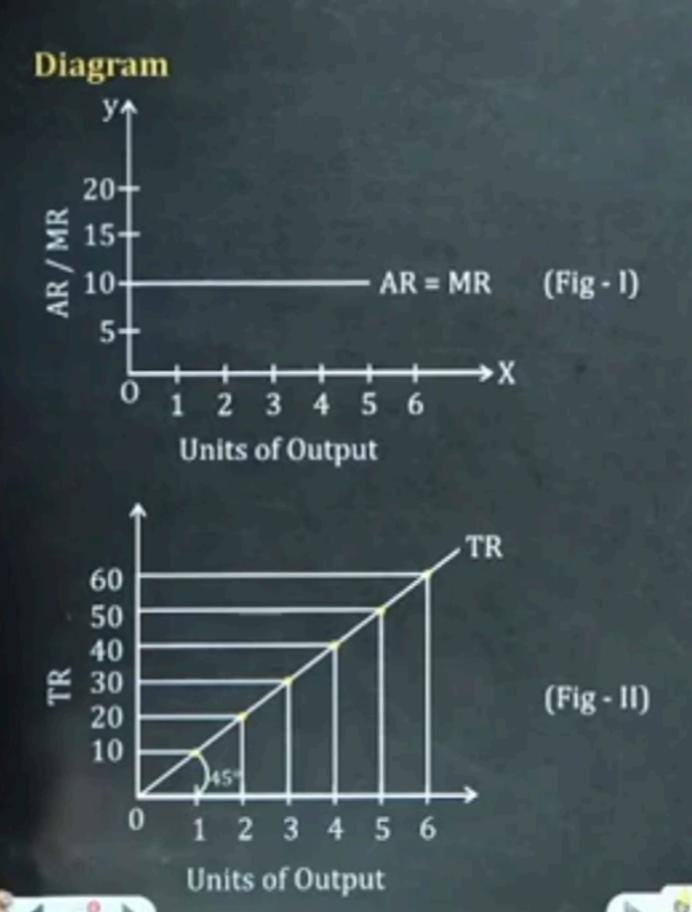
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10

6

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- i. AR = MR
- ii. TR increase at constant rate



It is clear from the diagram that when a price of commodity is constant, then Average Revenue of a firm is equal to Marginal Revenue of the firm & both AR – MR curve is

horizontal parallel to X-axis (Fig - I)

In (Fig – II), TR curve starts from origin and is a straight line making an angle of 45° from the origin because TR of the firm increase at constant rate.





Table:

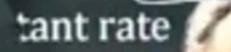
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3	10	30	10
4 🗸	10	40 🗸	10
5	1'	· 0 ~	10
(6)			10

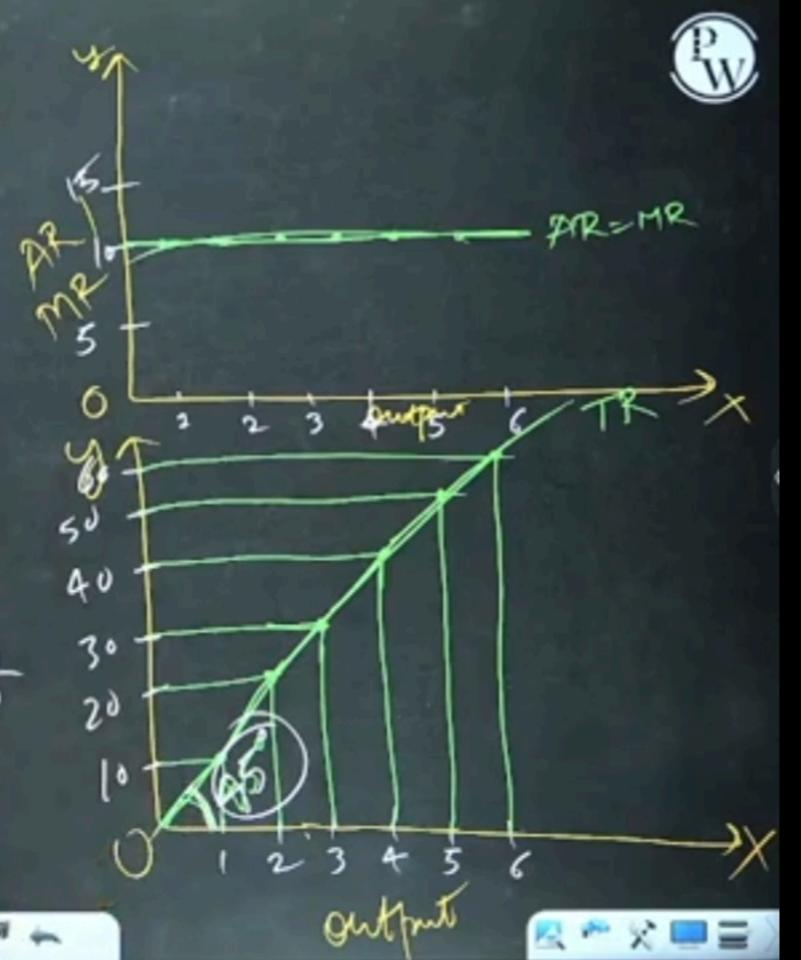
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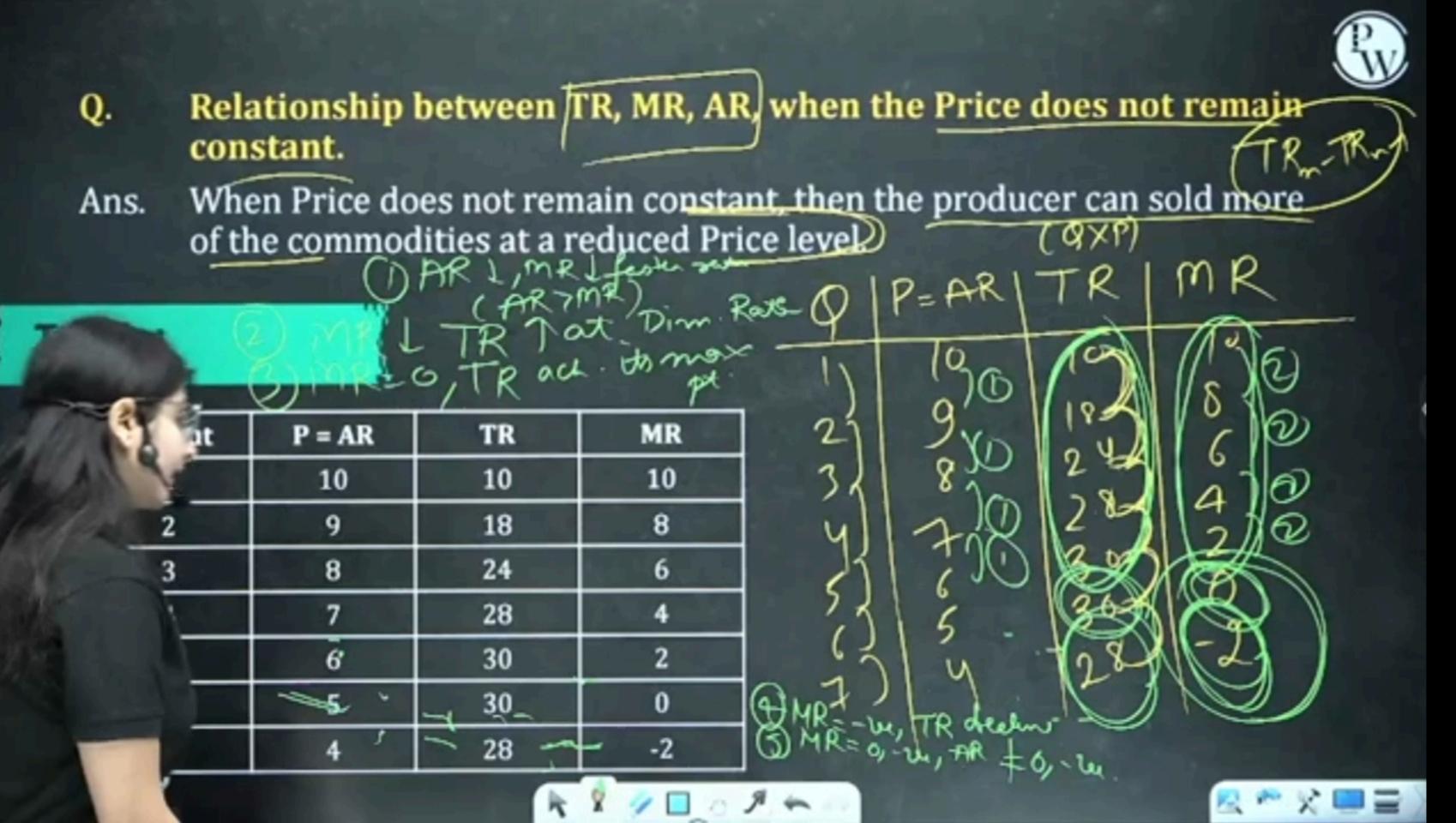
Q. Relationship between TR, MR, AR, when the Price does not remain constant.

Ans. When Price does not remain constant, then the producer can sold more of the commodities at a reduced Price level.

Table:

Output	P = AR	TR	MR
1	10	10	10
2	9	18	8
3	8	24	6
4	7	28	4
5	6	30	2
6	5	30 🛰	5.0
7	4	28	-2

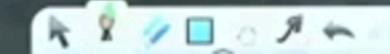






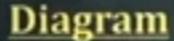
It is clear from the table that

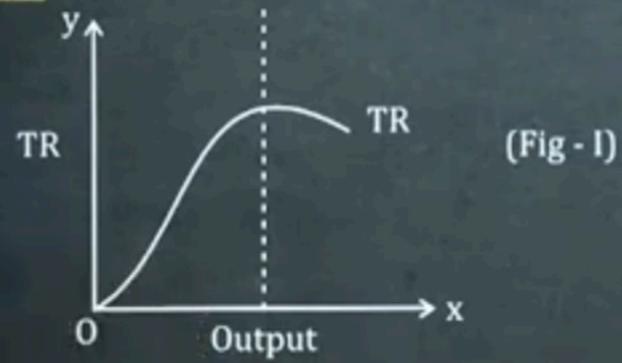
- When AR declines, MR declines at faster rate (AR > MR)
- When MR decline, TR increases at diminishing rate
- When MR = 0, TR achieves its maximum point & TR achieves its maximum points & become constant.
- When MR is negative, TR starts declining.
- MR can be 0 or negative but AR can't be 0 or negative.

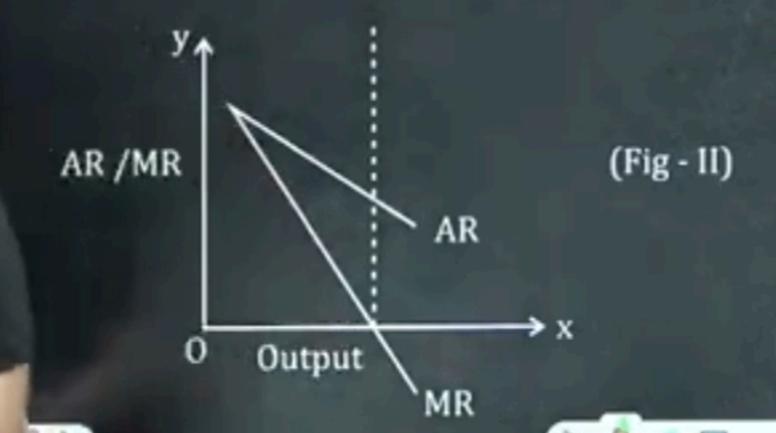










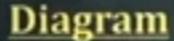


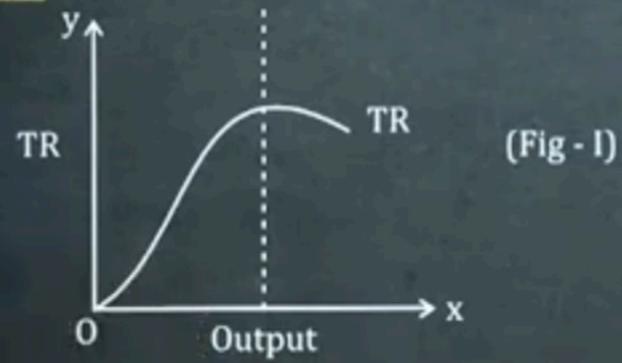
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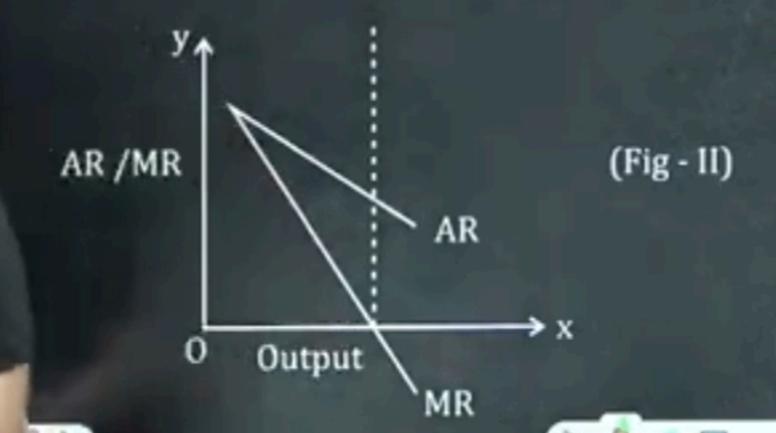
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- When MR declines, TR increases at diminishing Rate.
- When MR = 0, TR achieves it maximum point & become constant
- When MR is negative, TR starts declining
- When AR declines, MR declines at faster Rate. (AR > MR)
- MR can be O or negative, but AR cannot be O or negative because Price can't be zero or negative.



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Ans. When Price does not remain constant, then the producer can sold more of the commodities at a reduced Price level.

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3	8	24	6
4	17 1/	28	4
5	6	30	2
6	5	(30)	(
7	4	(28)	(-2)

