600	710	998	1218	1402	1568	1710
500	650	914	1114	1282	1428	1568
400	582	818	998	1146	1282	1402
300	508	710	864	998	1114	1218
200	418	582	710	818	914	998
100	300	418	508	582	650	710
	100	200	300	400	500	600





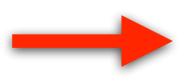






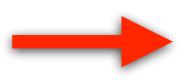






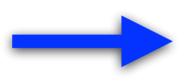
Double Inputs





Triple Inputs





Decreasing Returns to Scale













If the firm grows larger it must add more layers of management just to keep production going

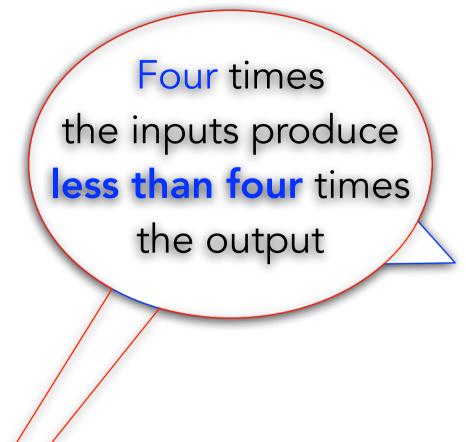
With 100 workers and 100 machines the firm produces 300 units of output

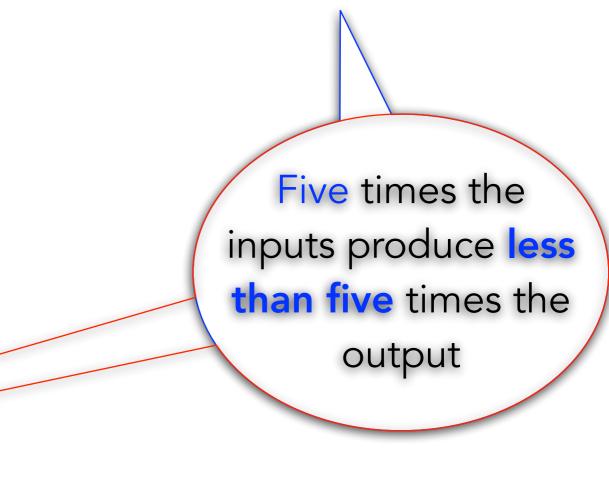
With twice the workers and twice the machines the firm produces LESS than twice the output

With three times the number of workers and machines the firm produces less than three times as many units of output









Total Product

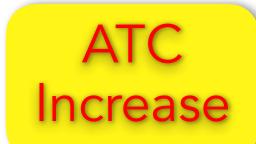


If output increase less than inputs and costs





Decreasing Returns to Scale



600	710	998	1218	1402	1568	1710
500	If out increase		1114	1282	1428	1568
K 400	than inputs and costs		998	1146	1282	1402
300	508	710	864	998	1114	1218
200	418	582	710	818	914	998
100	300	418	508	582	650	710
	100	200	300	400	500	600

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