Optimal use of Capital

K	TP	MP	MRP
0	0		
1	15	15	150
2	28	13	130
3	40	12	120
4	51	11	110
5	61	10	100
6	70	9	90
7	78	8	80
8	85	7	70

Rule: If $MRP_K > P_K$ Increase use of capital

 $= P_K = 100$: Stop buying

We know the firm has purchased the optimum number of machines when

the $MRP_{\kappa} = P_{\kappa}$

 $< P_K = 100$: buy **less** K

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Rule: If $MRP_K < P_K$, decrease use of capital $< P_K = 100$: buy **less** K



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Rule: If $MRP_K > P_K$

Increase use of capital Rule: If $MRP_{\kappa} < P_{\kappa}$,

decrease use of capital

We know the firm has purchased the optimum number of machines when the $MRP_K = P_K$

 $P_K = 100$ Stop buying

We know the firm has purchased the optimum number of machines if $MRP_K = P_K$