Answer L point on Stationary Point => gradient of L error surface is zero h(a) = tan h(a) $tanh(a) = e^{q} - e^{q}$ (activation f^{9} of range -1, 1) derivative of tanh f $h(a) = L - h(a)^2$ $SSE = \frac{1}{2} \left(\frac{K}{y_{K} - t_{K}} \right)^{2}$ S Jr -> output unit (tx -> corresponding target of weight space space L to be Stationary of the tenh activation For origin where all partial derivative are zero. from the above we can conclude that if initial weight are zero then origin of weight space is Stationary.