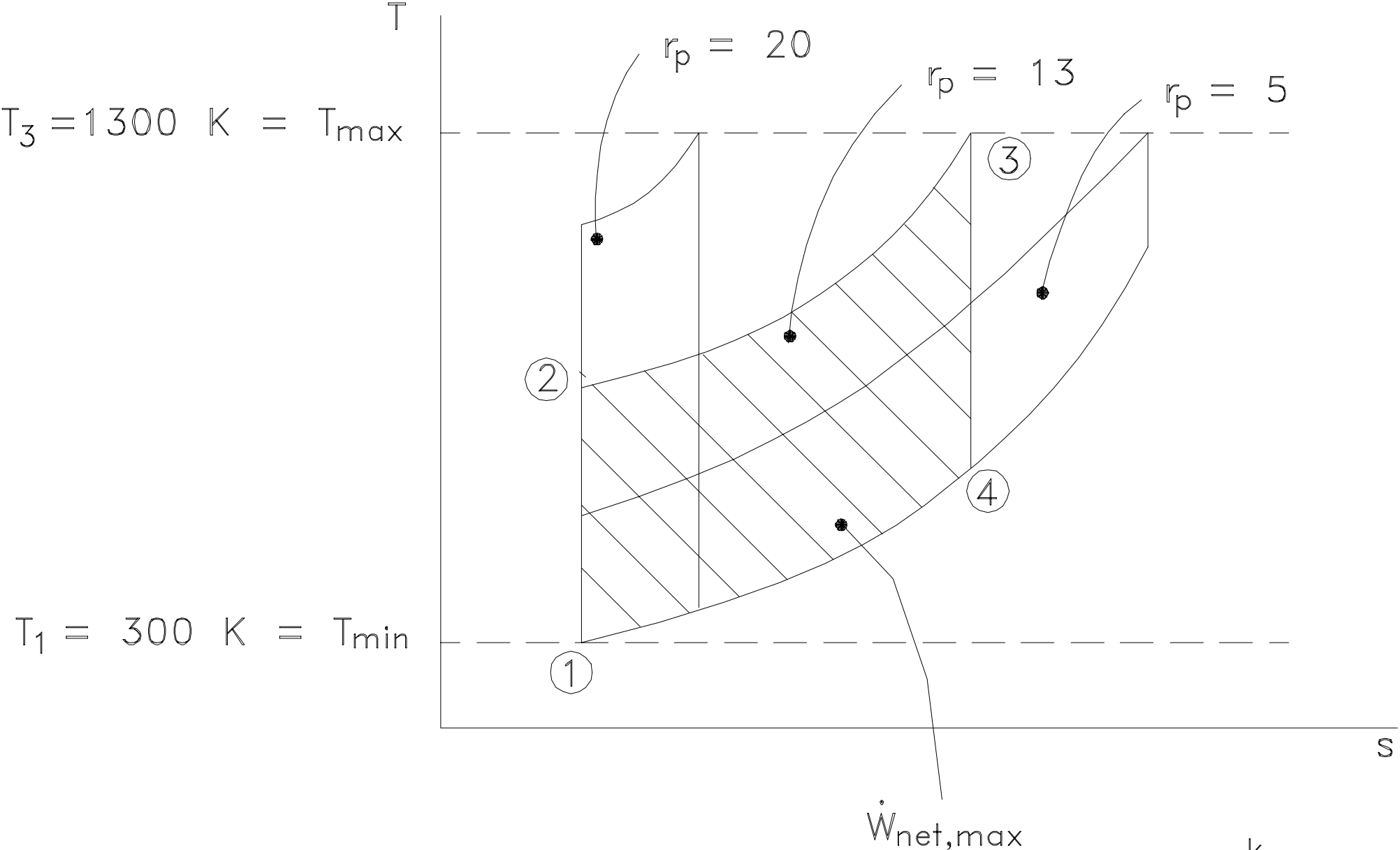


when $r_p = \left(\frac{T_{max}}{T_{min}}\right)^{\frac{k}{2k-2}}$