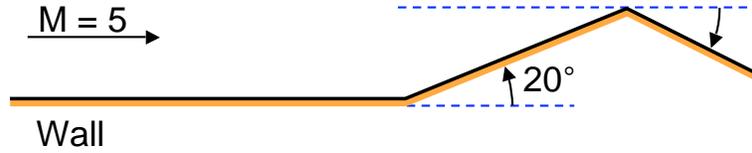


**Problem 352A**

A supersonic flow of Mach number,  $M = 5$ , experiences a wall excursion as follows:



Assuming that a weak oblique shock wave occurs in the flow what is the maximum angle,  $\theta$ , for which the flow will still be able to negotiate the excursion?