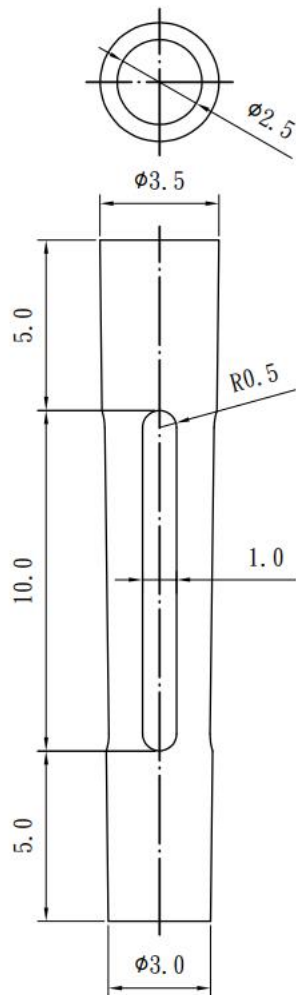


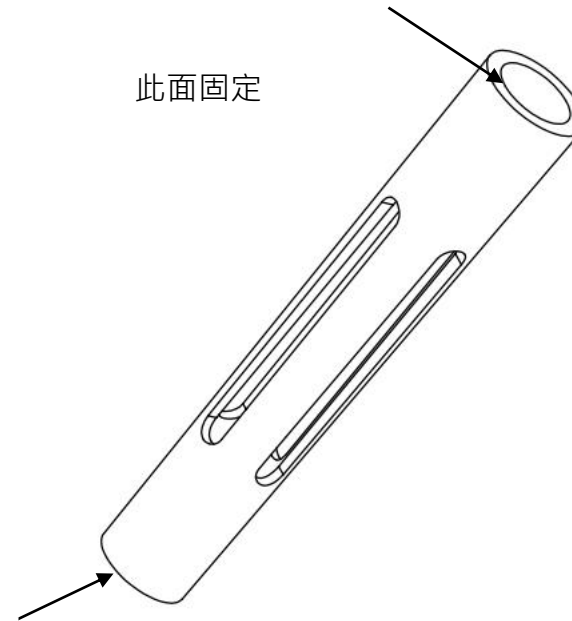
# Computer Aided Engineering

## QUIZ #4 Jun 2, 2022

如圖為一機械元件，上部圓孔為固定拘束，下部底面往軸線方向推進 1mm。分析單位系統採用：mm、N、MPa。材料為彈塑性材料(perfectly elastic-plastic material)，楊氏係數為 200GPa，浦松比為 0.3，降服強度 = 80MPa，slope=0 試求出塑性區域位置及殘留應力有多大。



此面沿軸線方向前  
推 1mm



Attend (40%)

Solid model (70%)

Mesh (85%)

Solution (<10%) (100%)