

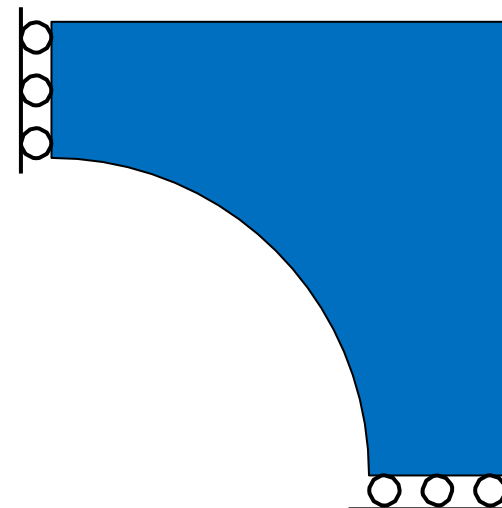
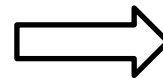
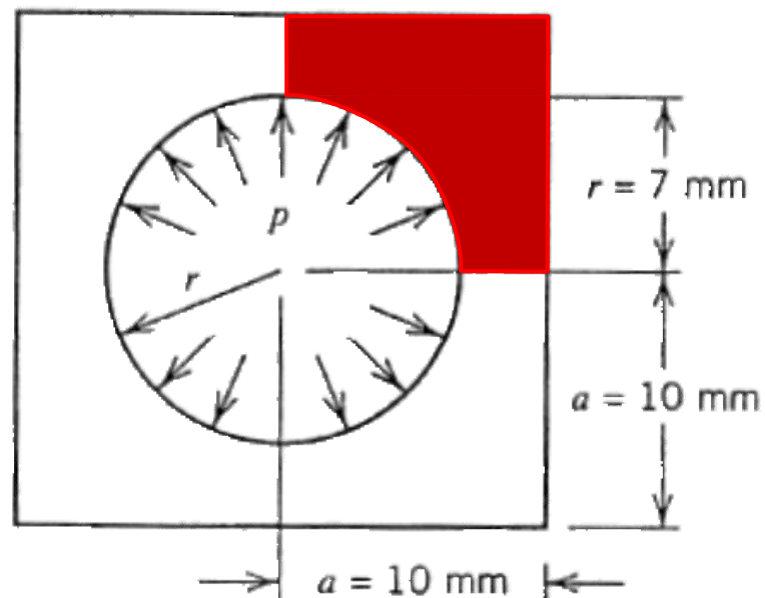


Finite Element Simulation For Mechanical Design



Exercise: plate with a hole

$p = 1 \text{ MPa}$ $\nu = 0.3$ $E = 10^7 \text{ MPa}$
Thickness $t = 1 \text{ mm}$



$$\Phi_{\infty} = \frac{\Phi_1 h_2^q - \Phi_2 h_1^q}{h_2^q - h_1^q}$$