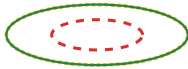


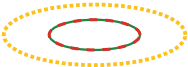
case 1: $P_u \succeq P^* \succeq P_l$



case 2: $P_u = P^* \succeq P_l$



case 3: $P_u \succeq P^* = P_l$



case 4: $P_u = P^* = P_l$



... P_u
— P^*
- - P_l