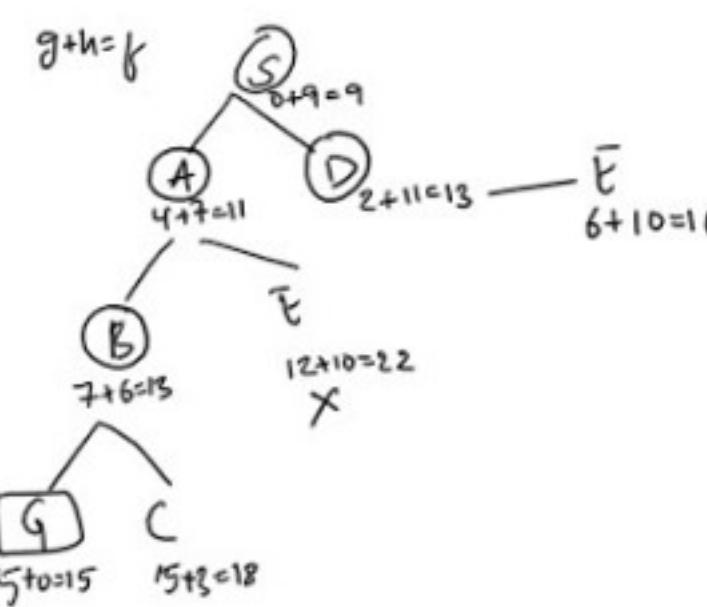
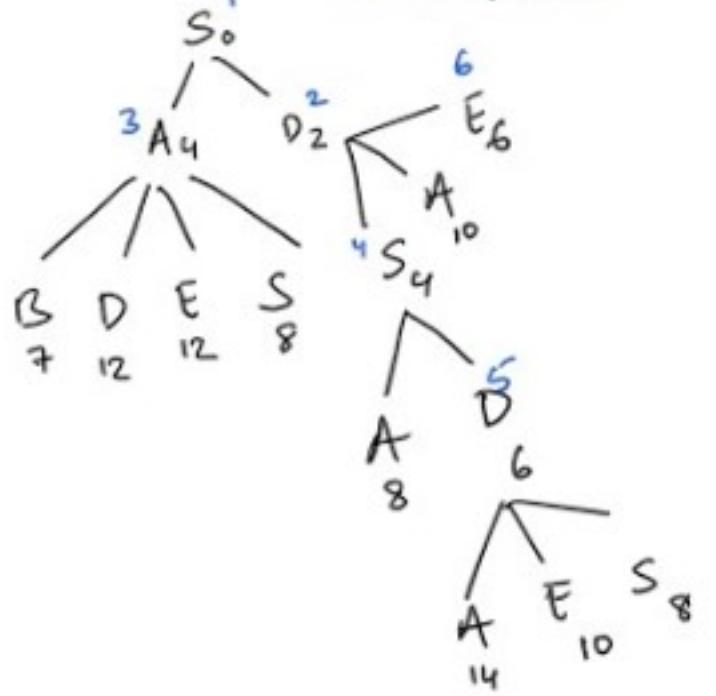
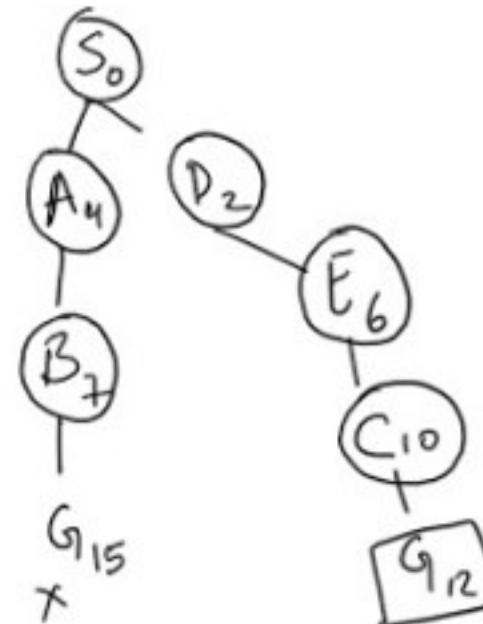


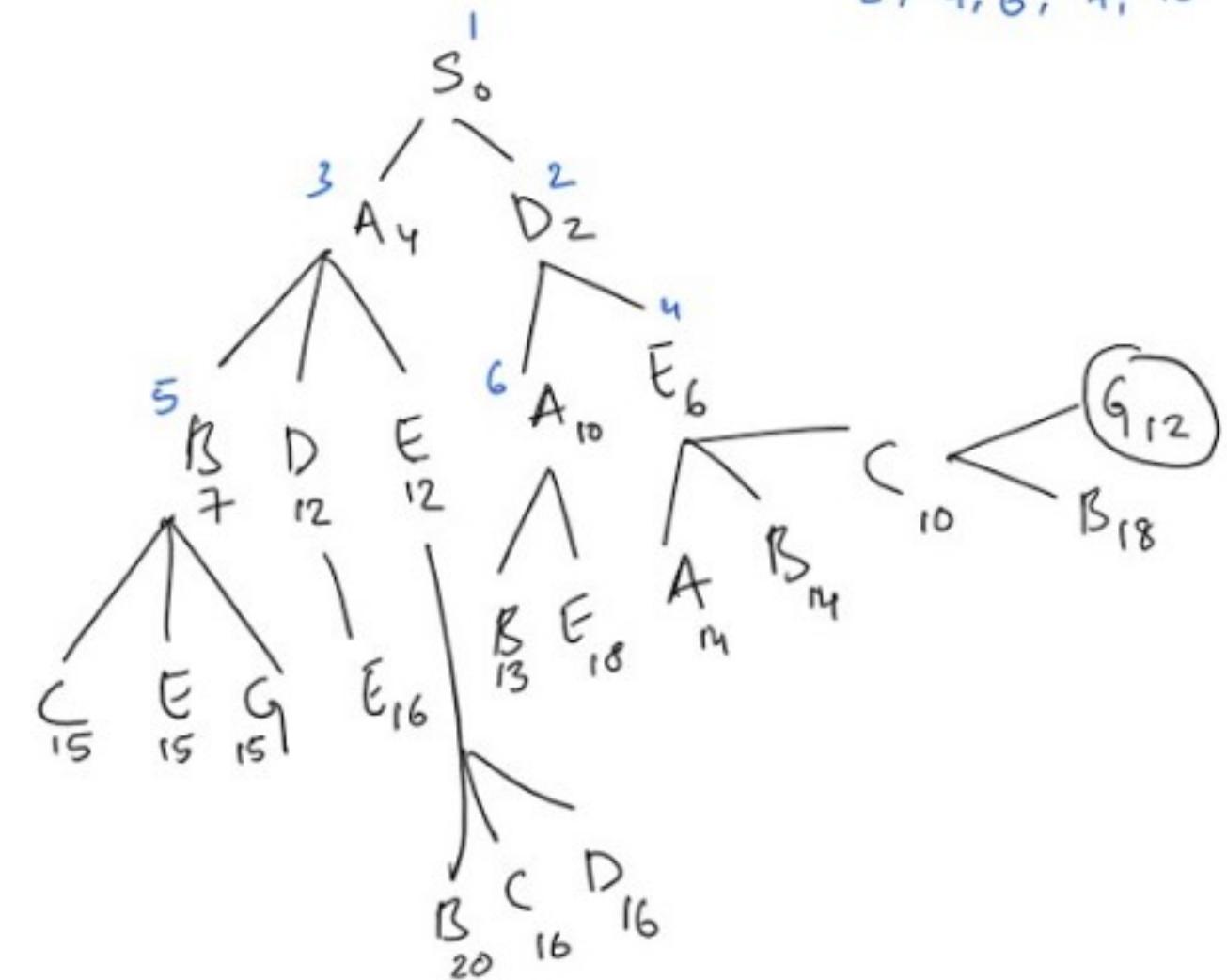
$\beta_n \beta_1 : D, A, S, D, E$



$\beta_n \beta_3 : g + h = f$



$\beta_n \beta_2 : D, A, E, B, A$   
 $2, 4, 6, 7, 10$



since,  $h$  is over estimating, A\* lost optimality

$$h^*(c) = 2 \quad \text{but } h(c) = 3 > h^*(c)$$