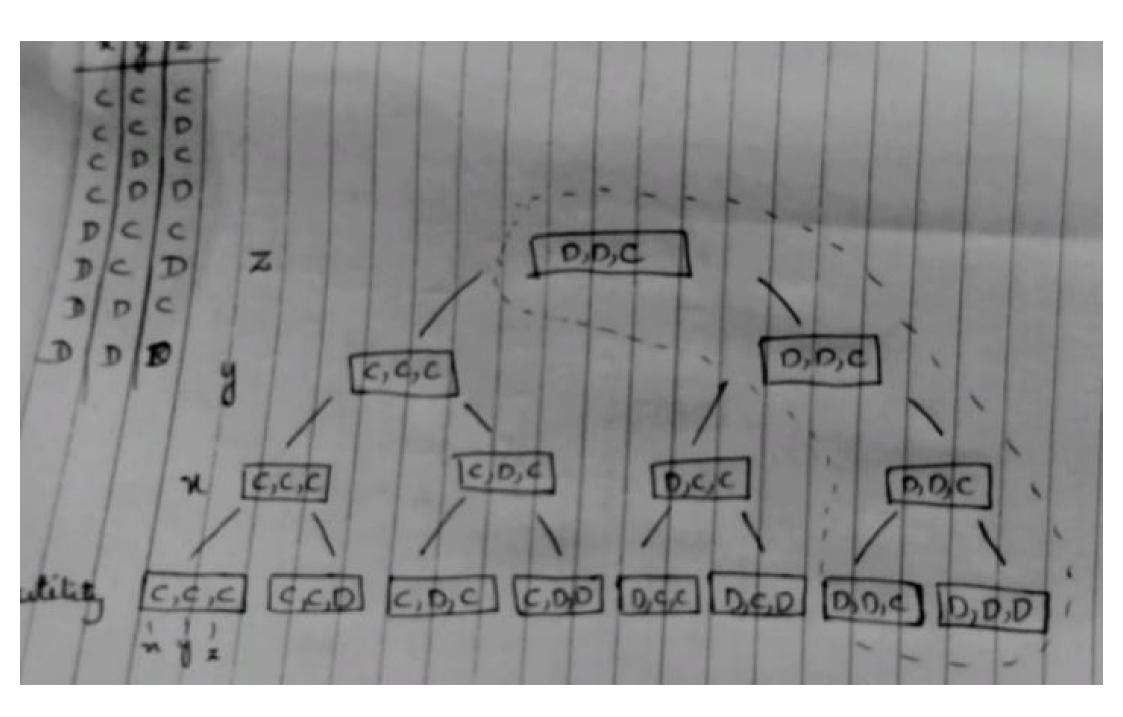
Continue to perform crossovers



D: 2 CSP Variables C1 = {A,B,c?, As Ferent com only teach Vacableso Domain class 1 C, = 5 43 Cg = PB, C3, Prof BAC com torch C2 C3 = SA, B, C3, All Prot com teach C3 C4 = { A, B, 6} C5 = 9 B, c3 = only Bgc com taches Binary constraints | Deonstrain geaph C, + C2 C2 # C3 C3 + C4 Cy + Cs Are constatency Domain Vasiable 5 43 3 B3 - Remove C Kom CZ

C3 = {A,C3 -> Remove C from C2 C3 = {A,C3 -> Remove B from C Cu = {A,B,C3 - Consistent Are C5 = {A,B,C3 - Consistent Are Ono 05 Solution:

$$P(covid19) = 0.6$$

$$P(positive) = 0.6 * 0.99 + 0.4 * 0.01 = 0.598$$

$$P(Covid19|positive) = \frac{P(positive|covid19) \times P(covid19)}{P(positive)}$$

$$P(\text{Covid19}|\text{positive}) = \frac{0.99 \times 0.6}{0.598} = 0.993$$