20-R-VIB-DY-27 Intermediate A m= 450kg race car's suspension consist of a damper, c=2500 No/m, and spring, k=10kNim, at each of its four wheels. As a result of the driver sitting in the car, the suspension has an initial displacement of 0.02m downwards. If the driver was to suddenly vanish, how long Hors II take for the free response to disappear? disappears at II-t lution: FDD

K3Hc H3 Iyo Solution: 99495

3T = t t= 0.593 s