Ex 8-10 p257 Betore VAIR VBIR After VAF mo Voz Equate approaching & separating relative relatives. VAIX - VB = - (VAF - VOF) Competer VAPx: VAF = VBF - VAIX + VBIX (l)Consure router; April - April in APAx + APox = PAx - PAx + Pox - Pox = 0 MAVA - MAVA + MOVOR - MOVO = 0 Sub 10 0: ma (Vor - VA + VB ) - ma Var + mo Vor - MB Vor : MA VIGE - MAVAIX + MAVAIX + MAVAIX + MAVAIX - MAVAIX = C (m, + m) Vo - 2 ma Va + (m, - m) Vo = 0 Collect. VBF = 2mAVAIX - (MA-Ma) VOIX Vog = 2 (0.50 kg) (2.0 ms) - (0.50 kg) - (0.70 kg)) (-7.0 ms) (0,50 kg + 0,70 kg)

VBE = 3.0 m5-1

Subinto 0

VAFX = VAFX - VAX + VBIX

= 3.0ms' - 7.0ms + (-2.0ms')

VAF = -1.0 ms-1