## Suggested Solution to Analytical Exercises

Transition Genetion

Ofn H(mo, Co)

mos E[Of] = 0

Vec(Co) = (14 - F&F) vec (9)



(Dy.) - (1000) (Dy. (DCx) - (010) (Yt-et) Transition Gometon  $\begin{pmatrix}
0.71 & 0.12 & 0.12 & 0.12 & 0.14$ More that BY+= 7+-4+-1 -(D) 0429-9-1-2 Subtract & Ofran () to set the about =) Recete (154 + 154) representations

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The model is YE - TetCE TE - By M+Trait Vt 4 = 0 4-1+4 =) 4= (1-0W et Since Yt= T++C+ =) OY+= (1-L) X= DT+ + DC+ =) DY= U+V++(1.L) (1-0L) 1et =) DONG (TED! Premultiplying by (1-QL) CI-OL) DY = EI-OL)M+ (I-OL) V+ + CI-Wes =) (1-0L) DY+= ux +v+ - Ov+-1+ ex-ex-1 =) (1-0L) 04+ = 1 + 1 + 0 Ut-1 Total no of reduced from paremeters = 4 ( 4, 0, 0, o, o, o) Total number of Structural parameters =5 ( d, M, O, de, Ger) The model is not identified unless we

Impose Gev = 0