

Chris Haydon

Lecture 5, Ex. B

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$$10. \quad T e_1 = 7 e_1$$

$$T e_4 = 7 e_4$$

$$T e_j = -2 e_j$$

$$j = 6, 8, 10, 11$$

$$b. \quad (T - 7) e_2 = e_1$$

$$(T - 7) e_5 = e_4$$

$$c. \quad (J+2) e_7 = e_6$$

⋮

$$(J+2) e_9 = e_8$$

⋮

d.