▶ Expanding on ①

$$T'(\psi_1)(e_1) = \psi_1 T(e_1) - \psi_2 T(1.0,0) = \psi_1(\psi_1^2) = 4$$

Similarly $T'(\psi_1)(e_2) = \psi_1(5,8) = 5$; $T'(\psi_1)(e_3) = 6$
Thus $T'(\psi_1) = 4\psi_1 + 5\psi_2 + 6\psi_3$

Repeating the same procedure for 2,

T'(42) = 774. + 8742 + 9743