$$G(2) = \sum_{h=0}^{\infty} A_h \ge^h \frac{a_h=0}{h^2} \sum_{h=1}^{\infty} a_h \ge^h \frac{a_h=0}{h^2} \sum_{h=1}^{\infty} a_h \ge^h \frac{a_h=0}{h^2} \sum_{h=1}^{\infty} a_h = 0$$

$$= \sum_{h=1}^{\infty} (h^2 - 3h + 2) A_{h+1} \ge^h + \sum_{h=3}^{\infty} 3(h-1) A_{h+1} \ge^h + \sum_{h=3}^{\infty} A_{h+1} \ge^h + \sum_{h=3}^{\infty} (h^2 - 3h + 2) A_{h+1} \ge^h + \sum_{h=3}^{\infty} (a_{h+1} \ge^{h+1})' (n \ge 2)$$

$$= \sum_{h=1,2}^{\infty} (h^2 - 3h + 2) A_{h+1} \ge^h + \sum_{h=3}^{\infty} (a_{h+1} \ge^{h+1})' (n \ge 2)$$

$$= \sum_{h=1,2}^{\infty} (h^2 - 3h + 2) A_{h+1} \ge^h + \sum_{h=3}^{\infty} (a_{h+1} \ge^{h+1})' (n \ge 2)$$

$$= \sum_{h=2}^{\infty} (a_{h+1} \ge^h + \sum_{h=3}^{\infty} (a_{h+1} \ge^{h+1})' + \sum_{h=3}^{\infty} a_{h+1} \ge^h + \sum_{h=3}^{\infty} a$$