$$lnf\sigma(D) = I(8, \Delta) = -\frac{6}{12}log_2(\frac{8}{12}) - \frac{4}{12}log_2(\frac{4}{12}) = 0.9183$$

Info Age (0) =
$$\frac{4}{12}I(2,2) + \frac{3}{12}I(3,6) + \frac{5}{12}I(3,2)$$

$$J(a_1 a) = -\frac{1}{4} \log_2(\frac{1}{4}) - \frac{1}{4} \log_2(\frac{1}{4}) = 1$$

$$I(3,0) = -\frac{3}{3}\log_2\left(\frac{3}{3}\right) = 0$$

$$I(3,2) = -\frac{3}{5}\log_2\left(\frac{3}{5}\right) - \frac{2}{5}\log_2\left(\frac{2}{5}\right) = 0.9710$$

Info Age (D) =
$$\frac{4}{12}(1) + \frac{3}{12}(0) + \frac{5}{12}(0.9710) = 0.5761$$

Info Income (D) =
$$\frac{4}{12} I(2,2) + \frac{5}{12} I(4,1) +$$