

$$\text{data segment index} = i = \frac{\text{byte offset}}{\text{segment size}} = \overbrace{0010111}^{i_n} \overbrace{0101001}^{i_{n-1}} \dots \overbrace{0101001}^{i_1} \overbrace{0001101}^{i_0} \overbrace{00011}^{\text{division by } 32}$$

