

4671

$$a) \alpha_{20} - \alpha_{10} = \alpha_1 + 19w - (\alpha_1 + 9w) = 10w$$

$$b) 10w = 30 \Leftrightarrow w = 3$$

$$\alpha_v = \alpha_1 + (v-1)w = 1 + 3v - 3 \Leftrightarrow$$

$$\boxed{\alpha_v = 3v - 2}$$

$$f) \alpha_v > 30 \Leftrightarrow 3v - 2 > 30 \Leftrightarrow v > \frac{32}{3} \approx 10,6$$

$$v = 11$$

$$g) \alpha_v < 60 \Leftrightarrow 3v - 2 < 60 \Leftrightarrow v < 20,6$$

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