

Task 02

$$\begin{aligned} \text{i) } 16384 + (35 \times 32 + 368 / 16) \\ = 17504 \end{aligned}$$

$$368 \% 16 = 0$$

word =

0100010001100000

From 0th fixed

$$\text{ii) } 16384 + (138 \times 32 + 72/16)$$

$$= 20804$$

$$72 \% 16 = 8$$

word =

01010001010000100

From 8th pixel

$$\text{ii)} \quad 16384 \left(102 \times 32 + 255/16 \right) \\ = 19663$$

$$255 \% 16 \\ = 15$$

word =

0100110011001111

from 15th pixel