$$Z = f(x,y) = Nin(x) - Cos(y)$$

$$\overline{\omega} = 4, \overline{\lambda} + 3, \overline{g} = (4,3)$$
punt Q(a,b)

Eenheids-Nichtengweder $\overline{n} = \frac{(4,3)}{|(4,3)||}$

$$= \frac{(4,3)}{\sqrt{4^2 + 3^2}} = \frac{(4,3)}{5} = \left(\frac{4}{5}, \frac{3}{5}\right)$$

$$\frac{2f}{\partial x} = cos(x) \text{ en } \frac{2f}{\partial y} = Nin(y)$$

$$\frac{2f}{\partial x} (a,b) = cos(a) \text{ en } \frac{2f}{\partial y} (a,b) = Nin(b)$$

$$\overline{n} = f(a,b) = \overline{n} f(a,b) =$$

 $= \left(\cos(a), \min(b)\right) \cdot \left(\frac{4}{5}, \frac{3}{5}\right) = \frac{4}{3} \cdot \cos(a) + \frac{3}{5} \cdot \min(b)$

De maximale woonde van De f(a,b) vo dan

$$\frac{4}{5}$$
. $1+\frac{3}{5}$. $1=\frac{7}{5}$.

Dan và $a = k.2\pi (k \in \mathbb{Z})$ $b = \frac{\pi}{2} + l.2\pi (l \in \mathbb{Z})$