$$a_{2} = x_{1} = 1.3054 \quad f(a_{2}) = -0.2478$$

$$b_{2} = k_{1} = 1.2 \quad f(b|_{2}) = 0$$

$$x_{2} = 2 - \frac{2 - 1.7054}{3 - (-0.2478)} \cdot 3 = ... = 1.7279$$
We local Siecznych
$$x_{n+1} = x_{n} - \frac{x_{n} - x_{n+1}}{f(x_{n}| - f(x_{n+1}))} \cdot f(x_{n}|$$

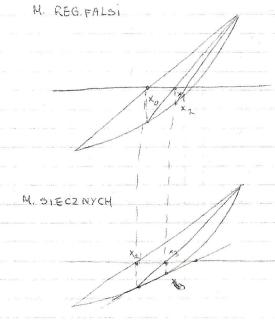
$$x_{0} = 1 \quad f(x_{0}| = -4)$$

$$x_{1} = x_{1} - \frac{x_{1} - x_{n+1}}{f(x_{1}| - f(x_{n}| - f(x$$

 $x = 1.57141 - \frac{1.57141 - 2}{1.3646 - 3} = 1.7054$ 

1 (x3)= -Q2478

$$x_{4} = 1.7054 - \frac{1.7054 - 1.5746}{-0.2478 - (-1.3646)} \cdot (-1.3646) = ... = 1.7351$$



warunek zbie zności mo tody siecznych  $f'(x) \geq 0 - f\text{-cja monotoniczna na przedziale} < a,b>$   $f''(x) \geq 0 - f\text{-cja nie mo że mieć pkt. przegięcia}$