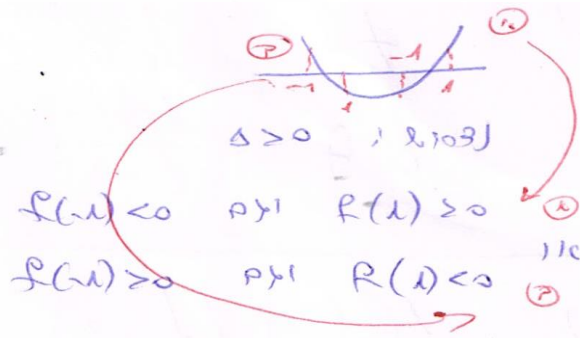


$$\frac{0.5}{1} \textcircled{1} \quad x^2 - \frac{2(m-2)}{m-4}x + \frac{m-5}{m-4} = 0$$

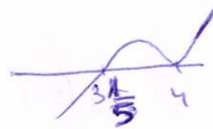


$$\frac{4(m-2)^2}{(m-4)^2} - \frac{4(m-5)}{m-4} > 0$$

$$\frac{4m^2 - 16m + 16 - 4m^2 + 36m - 80}{(m-4)^2} > 0$$

$$\frac{20m - 64}{(m-4)^2} > 0$$

$$4 \neq m > 3\frac{1}{5}$$

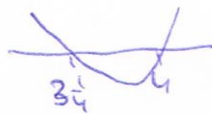


$$0 < f(1) = 1 - \frac{2m-4}{m-4} + \frac{m-5}{m-4} = \frac{-5}{m-4} > 0$$



$$m < 4$$

$$\Rightarrow f(-1) = 1 + \frac{2m-4}{m-4} + \frac{m-5}{m-4} = \frac{4m-13}{m-4}$$



$$\therefore 3\frac{1}{4} < m < 4$$

range of m is $(3\frac{1}{4}, 4)$

$$3\frac{1}{4} < m < 4$$

$$\Rightarrow f(1)$$

$$m > 4$$

$$\alpha f(2)$$

$$3\frac{1}{5} < m < 4$$

$$m > 4$$

לפי הנתון

$$m > 4$$
$$3\frac{1}{5} < m < 4$$

התוצאה

$$\textcircled{2} \quad 4 < m < 3\frac{1}{5} \leftarrow \Delta > 0 \quad (1, 13)$$

$$f(1) > 0 \rightarrow m < 4$$



$$f(2) < 0$$

$$\Rightarrow f(2) = k - \frac{4(m-2)}{m-4} + \frac{m-5}{m-4} = \frac{m-13}{m-4}$$



$$4 < m < 13$$

לפי הנתון המצוינות
אז המספרים הם 4 ו-13

התוצאה