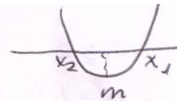


0.34
2

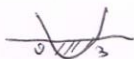
$$f(x) = 4x^2 - 2(2m+1)x + m(m-1) = 0$$

- ① $\Delta > 0$ 2 roots
② $f(m) < 0$

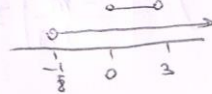


① $\Delta > 0$
 $4(2m+1)^2 - 16m(m-1) > 0$
 $4(4m^2 + 4m + 1) - 16m^2 + 16m > 0$
 $32m + 4 > 0$
 $m > -\frac{1}{8}$

② $f(m) = 4m^2 - 2m(2m+1) + m(m-1) < 0$
 $4m^2 - 4m^2 - 2m + m^2 - m < 0$
 $m^2 - 3m < 0$
 $m(m-3) < 0$



איתרון בין ג' ל'א



$$0 < m < 3$$