

$$\begin{aligned} \phi'(n) < 0 &\rightarrow m^2 - n - 2 \leq 0 \rightarrow -1 \leq m \leq 2, \quad m \neq 2 \rightarrow -1 \leq m < 2 \\ \text{شبهه } \hat{\phi}(n) &\rightarrow 1 - m \leq 1 \rightarrow m \geq 0 \\ 1, 2 &\rightarrow \boxed{m = 0 \leq 1} \end{aligned}$$