

# Algorithm: Inverse Interpolation

- Read  $n$
  - For  $i = 0$  to  $(n-1)$  in steps of 1 do
    - Read  $x_{arr}[i], y_{arr}[i]$End for
  - Read  $x$
  - Set  $result = 0$
  - For  $i = 0$  to  $(n-1)$  in steps of 1 do
    - $result \ += \left( \frac{num(y, i, y_{arr})}{deno(i, y_{arr})} \right) * x_{arr}[i]$End for
  - Print  $result$
- END