Inputs

N, lastguess

Output

newguess

Logic

Newguess = 0.5 \* (lastguess +(N/lastguess))

While( abs(newguess – lastguess)>0.0000001){

lastguess = newguess

Newguess = 0.5 \* (lastguess +(N/lastguess))

}

Display “the root of N is “, newguess