

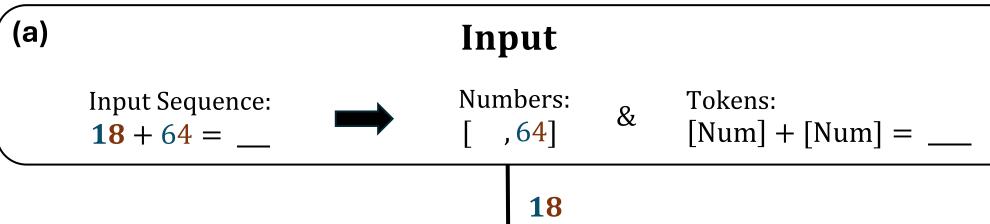
(a) Input

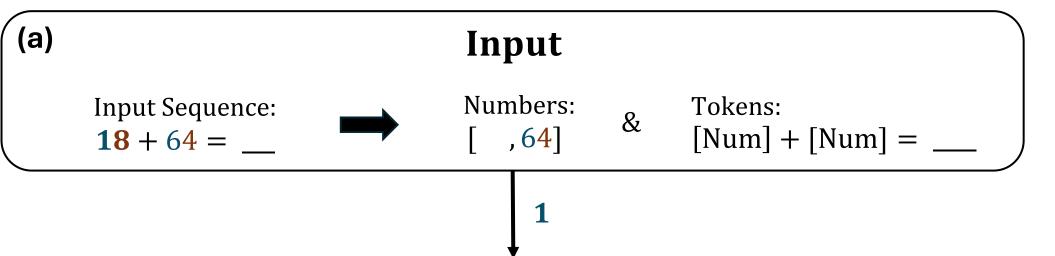
Input Sequence: **18** + 64 = \_\_\_

Numbers: [**18**, 64]

R Tokens:

$$[Num] + [Num] = \underline{\hspace{1cm}}$$



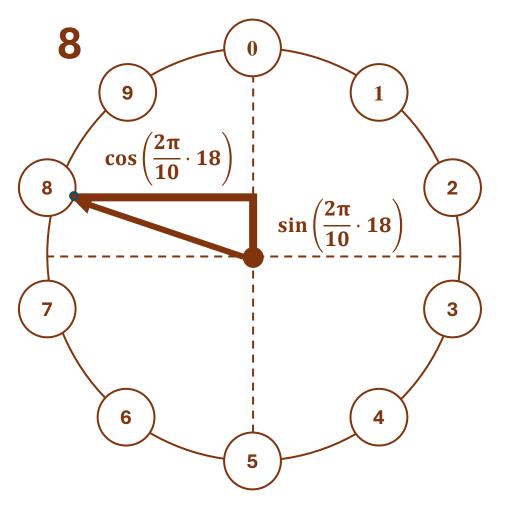




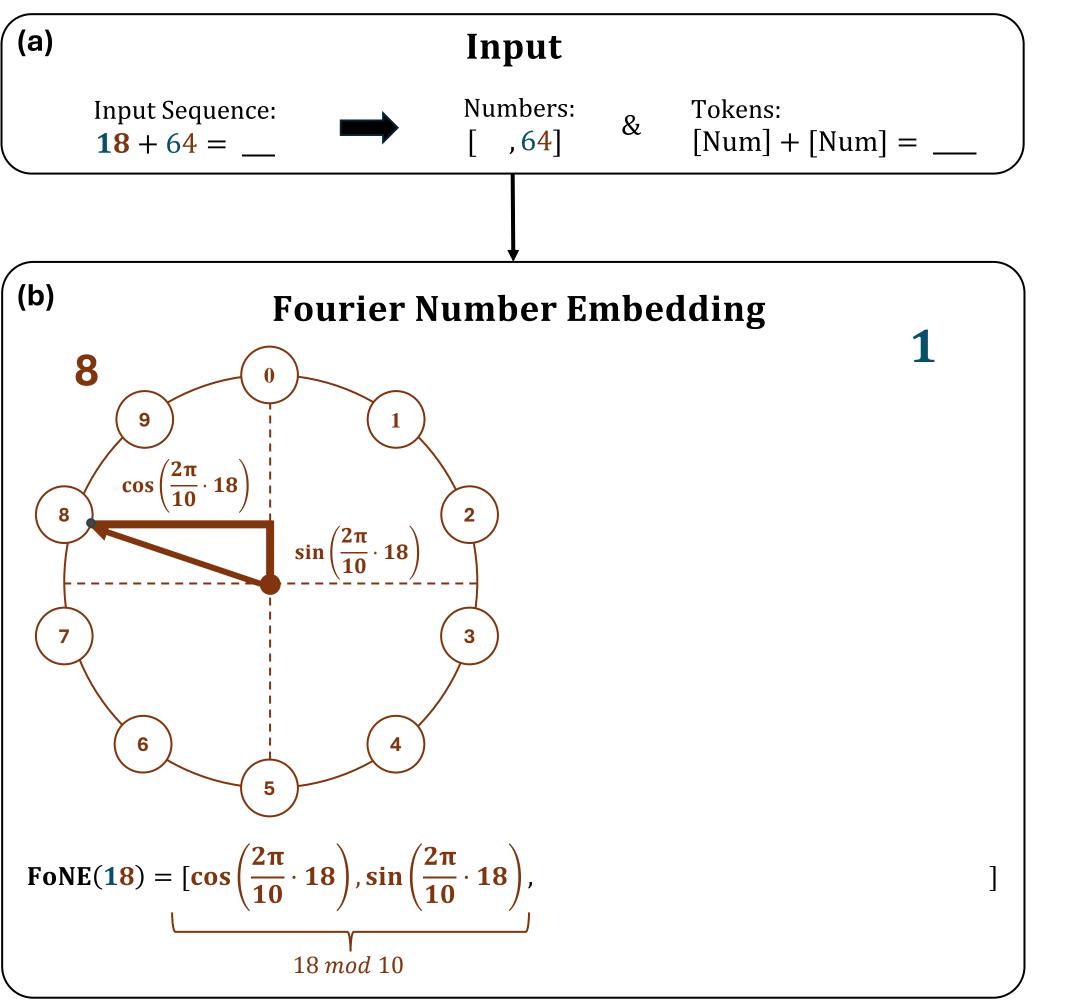
$$[Num] + [Num] = \underline{\hspace{1cm}}$$

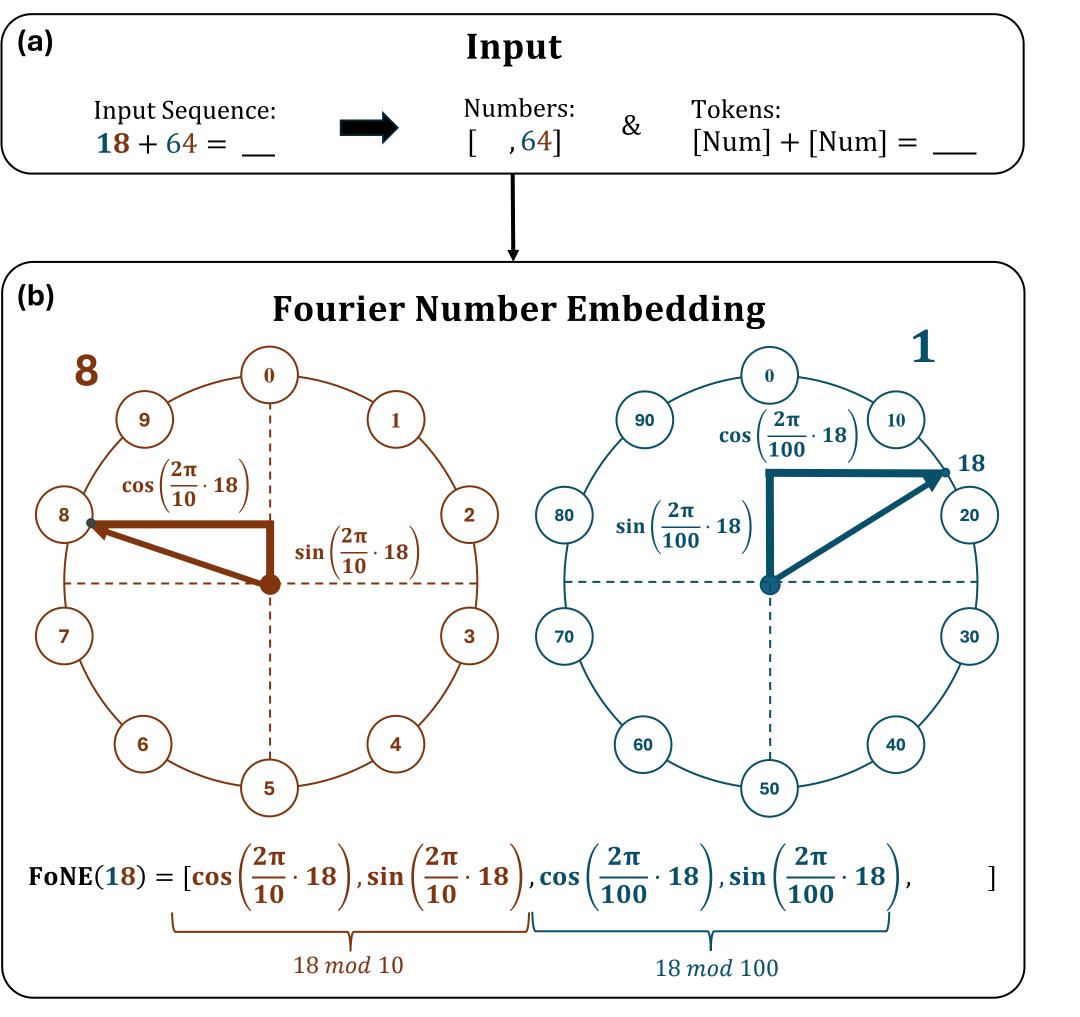
1

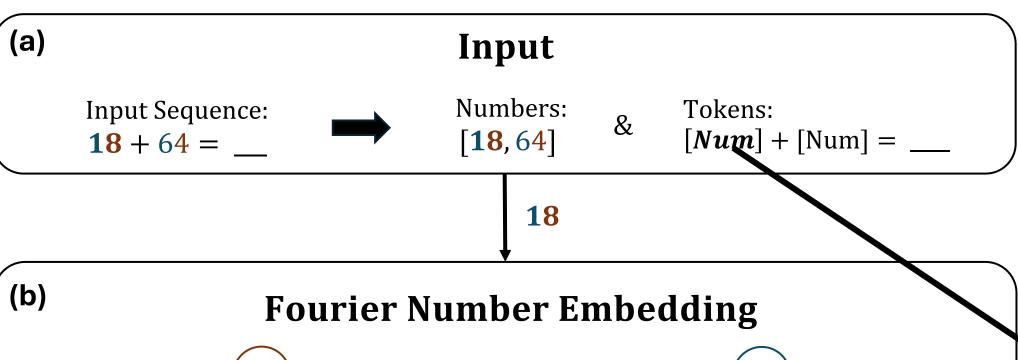
## (b) Fourier Number Embedding

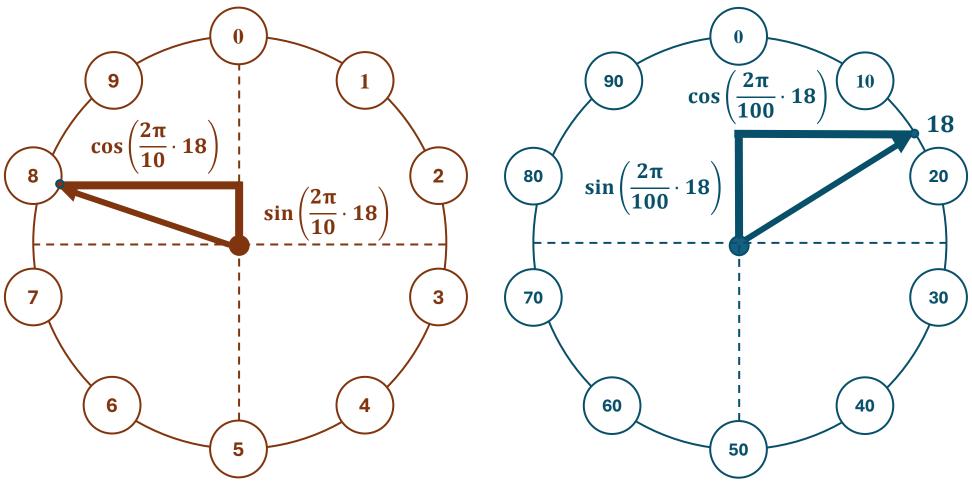


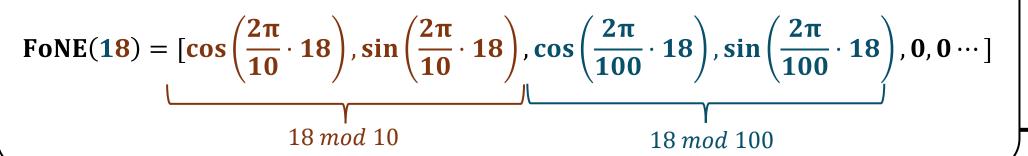
FoNE(18) = 
$$\left[\cos\left(\frac{2\pi}{10} \cdot 18\right), \sin\left(\frac{2\pi}{10} \cdot 18\right), \\ 18 \mod 10$$











Fourier Number Embedding

Embedding([Num])

