

creation:

for i in range(buffer_size - n, n)
 $\vec{\gamma} = \text{np.array}(\underbrace{[1 \times \dots \times]_{\text{length } n}}^{n-1})$ add to lines

append lists $[0] + \vec{\gamma} + [0 \text{ for } i \text{ in range(buffer_size - n + 1)}] + \vec{\gamma}$
 $+ [0 \text{ for } i \text{ in range(buffer_size - n + 1)}]$

$\rightarrow \text{gemmat} = \underbrace{[0]}_{\text{list}} + \underbrace{\vec{\gamma}^{-n}}_{\text{list}} + \underbrace{[0]_{bs-n+1} \oplus \vec{\gamma}^{-n}}_{\text{list}}$
append

gemmat as list of floats $\xrightarrow{\text{np.array}} \text{gemmat} (bs \times (bs-n)) \xrightarrow{\text{np.reshape}} \text{gemmat} (bs-n, bs)$