

[ 7 | 3, 9, 2, 8 ]

↑  
key

[ 3, 7 | 9, 2, 8 ]

[ 3, 7, 9 | 2, 8 ]

[ 2, 3, 7, 9 | 8 ]

[ 2, 3, 7, 8, 9 ]

$$g = \lambda x. 2x$$

lambda x: 2\*x