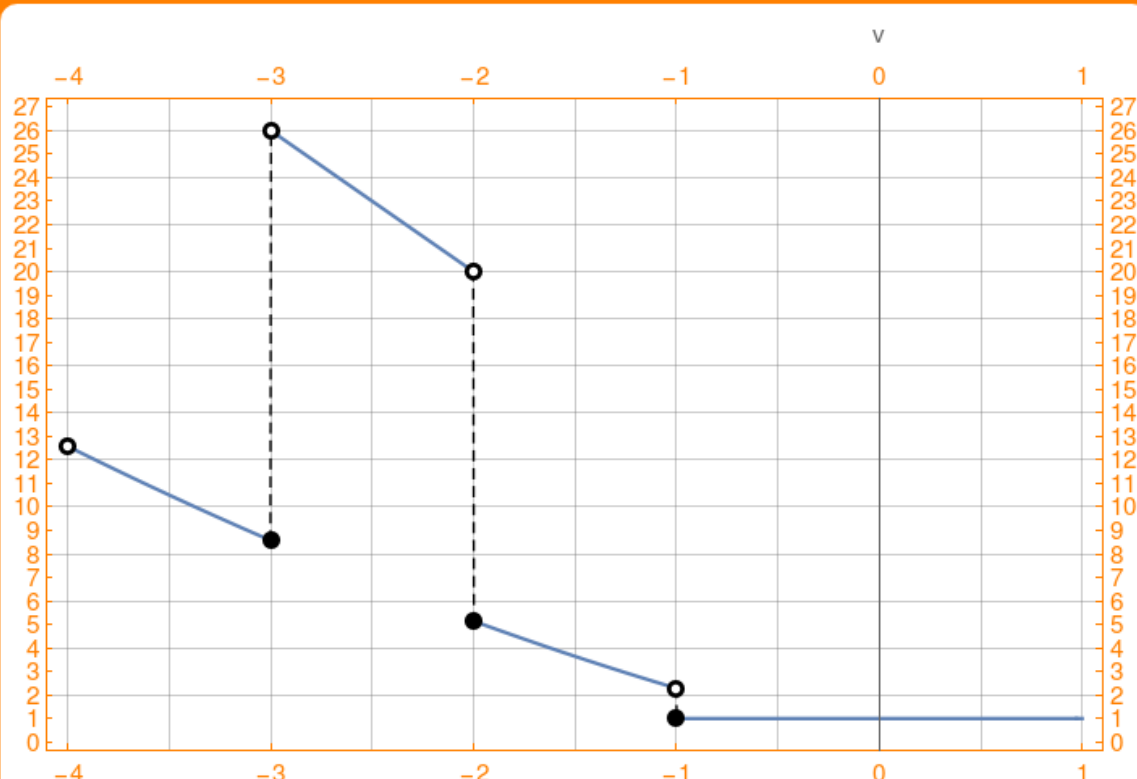


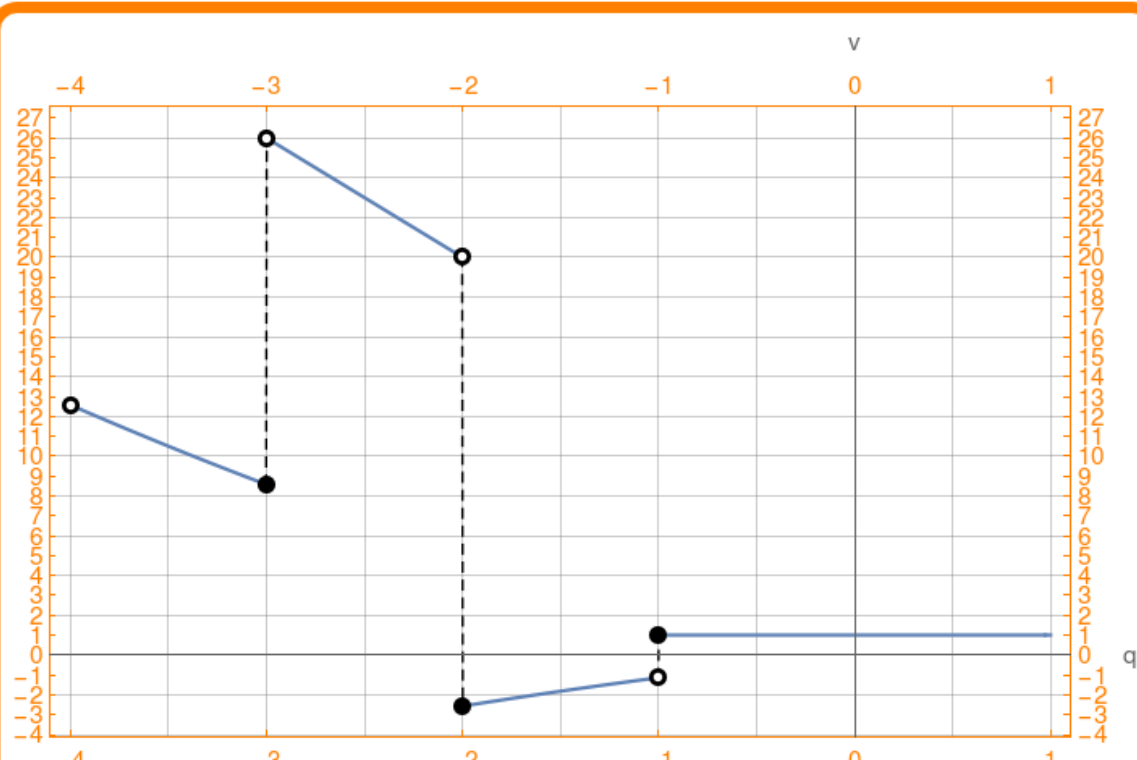
1. Given the function:

$$v(q) = \begin{cases} \frac{q^2}{7} - q & -4 < q \leq -3 \\ 4 - 3q & -3 < q < -2 \\ \frac{q^2}{7} - q & -2 \leq q < -1 \\ 1 & q \geq -1 \end{cases}$$

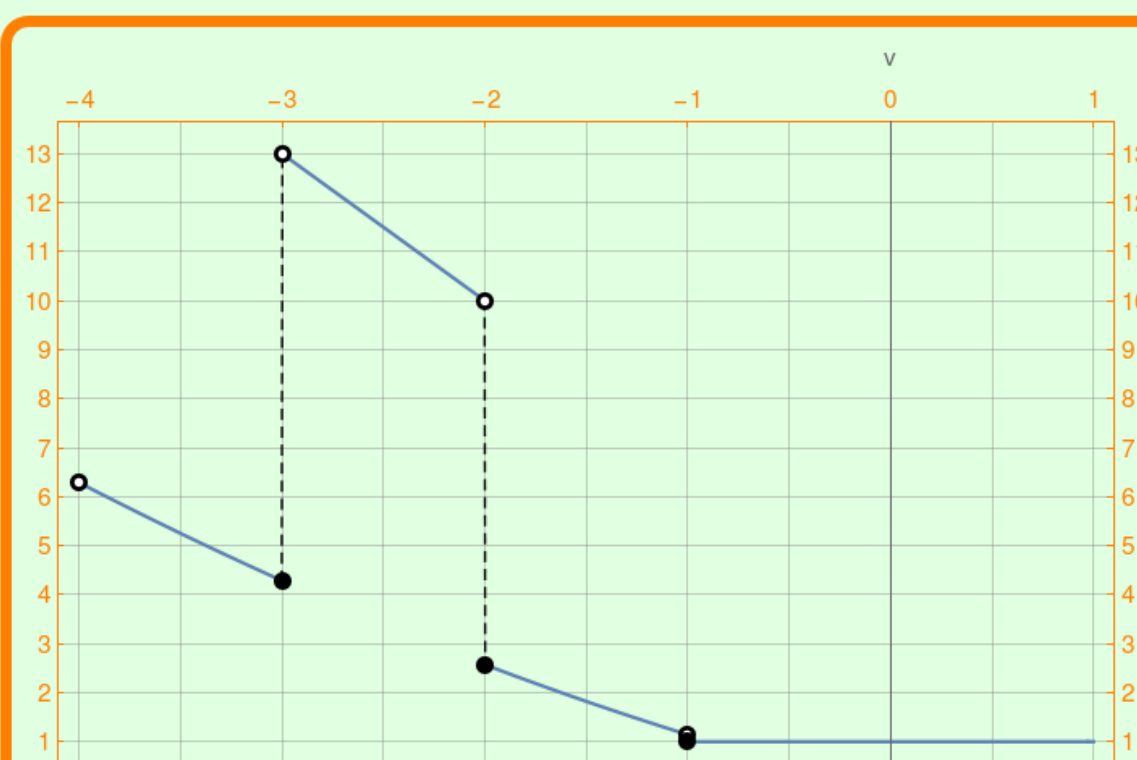
Which plot matches the points?



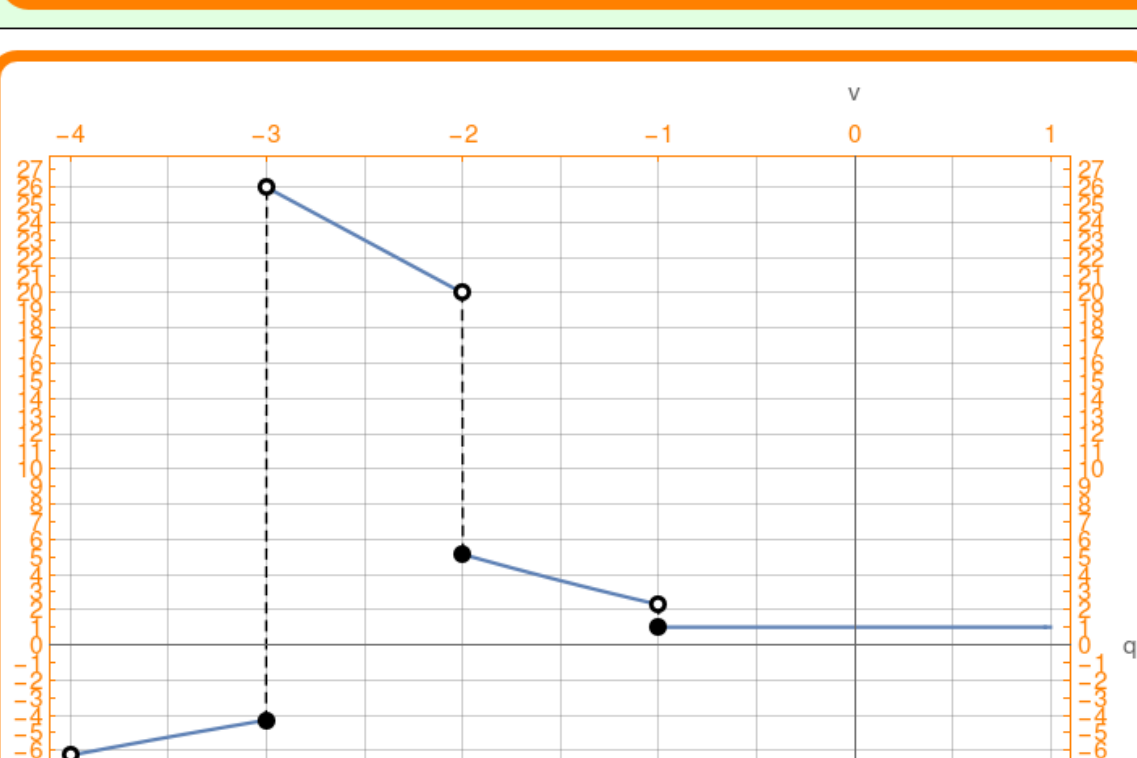
$(0, 1), (1, 1), (-3, \frac{30}{7})$



$(-1, 1), (-3, \frac{30}{7}), (-4, 0)$



$(-1, 1), (-2, \frac{18}{7}), (-3, \frac{30}{7})$



$(0, 1), (-1, 1), (1, 1)$

Solution