```
Algorithm 1 FVFI + Piecewise Linear Interpolation + Grid
initialize v (array of size: N)
initialize v' (array of size: N)
initialize x_{qrid} = (x_i)_{i=1}^N
repeat
     for i = 1 to N do
         v'(x_i) \leftarrow \max_{c \in \Gamma(x)} \left\{ u(c) + \beta \operatorname{interp} \left( x_{arid}, v, x - c \right) \right\}
     end for
     set e = d_{\infty}(v, v')
     set v = v'
until e is less than some tolerance
```