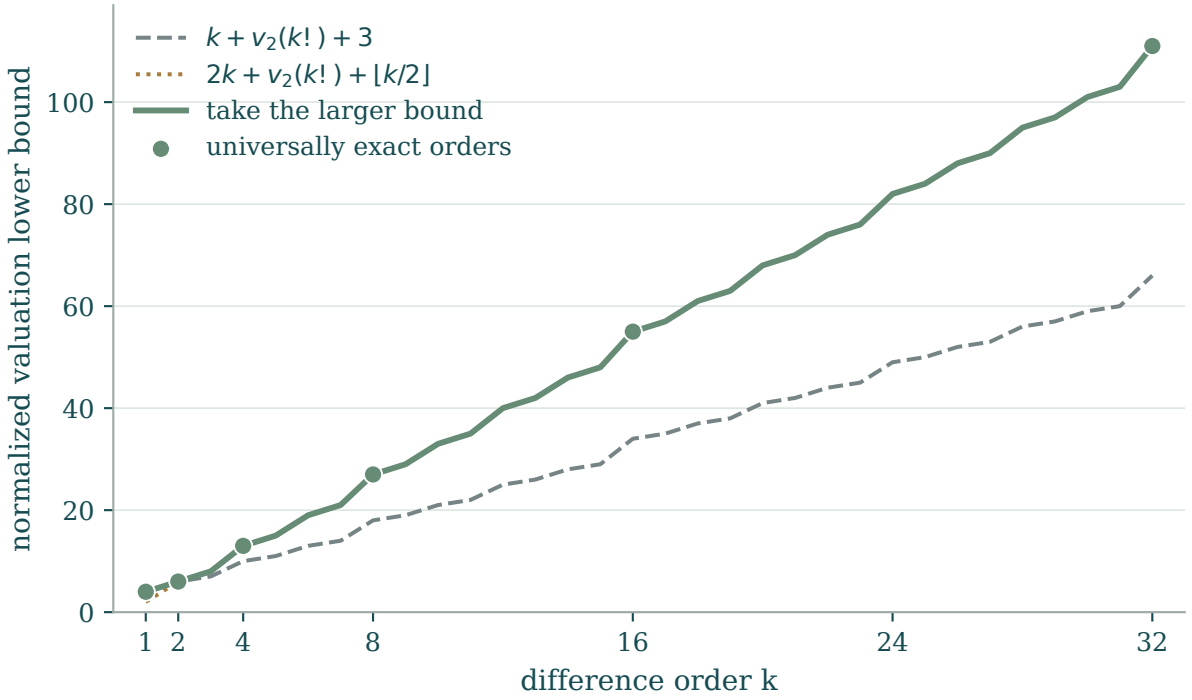

$k + v_2(k!) + 3$
$2k + v_2(k!) + \lfloor k/2 \rfloor$
take the larger bound
universally exact orders
normalized valuation lower bound
0
20
40
60
80
100
1
2
4
8
16
24
32
difference order k