

adPower [$x_$, $k_$, $Env_$] [$c_ * y_{QU}$] := CE [c adPower [x , k , Env] [y]];

adPower [$x_$, $k_$, $Env_$] [y_{Plus}] := adPower [x , k , Env] /@ y ;

adPower [_, 0, $Env_$] [$y_$] := y ;

adPower [$x_$, $k_$, $Env_$] [0] = 0;

adPower [$x_$, $k_$, $Env_$] [y_{QU}] := adPower [x , k , Env] [y] = CE@B [adPower [x , $k - 1$, Env] [y], x];

adPower [$x_$, $k_$] [$y_$] := adPower [x , k , $\$E$] [y];